



# 12641 - JWST Routine Wavefront Sensing and Control for Cycle 5

Cycle: 5, Proposal Category: CAL/OTE

## INVESTIGATORS

| <i>Name</i>                | <i>Institution</i>                       |
|----------------------------|------------------------------------------|
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## OBSERVATIONS

| <i>Folder</i>      | <i>Observation</i> | <i>Label</i> | <i>Observing Template</i> | <i>Science Target</i>      |
|--------------------|--------------------|--------------|---------------------------|----------------------------|
| Observation Folder |                    |              |                           |                            |
|                    | 1                  |              | WFSC NIRCам Fine Phasing  | (1) 2MASS-19594998+4054144 |
|                    | 2                  |              | WFSC NIRCам Fine Phasing  | (1) 2MASS-19594998+4054144 |
|                    | 3                  |              | WFSC NIRCам Fine Phasing  | (1) 2MASS-19594998+4054144 |
|                    | 4                  |              | WFSC NIRCам Fine Phasing  | (2) 2MASS-20024607-0648182 |
|                    | 5                  |              | WFSC NIRCам Fine Phasing  | (2) 2MASS-20024607-0648182 |
|                    | 6                  |              | WFSC NIRCам Fine Phasing  | (2) 2MASS-20024607-0648182 |
|                    | 7                  |              | WFSC NIRCам Fine Phasing  | (3) 2MASS-20055140+1106321 |
|                    | 8                  |              | WFSC NIRCам Fine Phasing  | (3) 2MASS-20055140+1106321 |
|                    | 9                  |              | WFSC NIRCам Fine Phasing  | (3) 2MASS-20055140+1106321 |
|                    | 10                 |              | WFSC NIRCам Fine Phasing  | (4) 2MASS-20081300-1848138 |
|                    | 11                 |              | WFSC NIRCам Fine Phasing  | (4) 2MASS-20081300-1848138 |
|                    | 12                 |              | WFSC NIRCам Fine Phasing  | (4) 2MASS-20081300-1848138 |
|                    | 13                 |              | WFSC NIRCам Fine Phasing  | (5) 2MASS-20181144+2035599 |
|                    | 14                 |              | WFSC NIRCам Fine Phasing  | (5) 2MASS-20181144+2035599 |
|                    | 15                 |              | WFSC NIRCам Fine Phasing  | (5) 2MASS-20181144+2035599 |

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|---------------|--------------------|--------------|---------------------------|-----------------------------|
|               | 16                 |              | WFSC NIRCcam Fine Phasing | (6) 2MASS-20332628-0003189  |
|               | 17                 |              | WFSC NIRCcam Fine Phasing | (6) 2MASS-20332628-0003189  |
|               | 18                 |              | WFSC NIRCcam Fine Phasing | (6) 2MASS-20332628-0003189  |
|               | 19                 |              | WFSC NIRCcam Fine Phasing | (7) 2MASS-20340862+5126350  |
|               | 20                 |              | WFSC NIRCcam Fine Phasing | (7) 2MASS-20340862+5126350  |
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|               | 22                 |              | WFSC NIRCcam Fine Phasing | (8) 2MASS-20382994-1253184  |
|               | 23                 |              | WFSC NIRCcam Fine Phasing | (8) 2MASS-20382994-1253184  |
|               | 24                 |              | WFSC NIRCcam Fine Phasing | (8) 2MASS-20382994-1253184  |
|               | 25                 |              | WFSC NIRCcam Fine Phasing | (9) 2MASS-20395399-2633352  |
|               | 26                 |              | WFSC NIRCcam Fine Phasing | (9) 2MASS-20395399-2633352  |
|               | 27                 |              | WFSC NIRCcam Fine Phasing | (9) 2MASS-20395399-2633352  |
|               | 28                 |              | WFSC NIRCcam Fine Phasing | (10) 2MASS-20461821-8233087 |
|               | 29                 |              | WFSC NIRCcam Fine Phasing | (10) 2MASS-20461821-8233087 |
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|               | 31                 |              | WFSC NIRCcam Fine Phasing | (11) 2MASS-20465501+0906545 |
|               | 32                 |              | WFSC NIRCcam Fine Phasing | (11) 2MASS-20465501+0906545 |
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|               | 34                 |              | WFSC NIRCcam Fine Phasing | (12) 2MASS-20531595-3606303 |
|               | 35                 |              | WFSC NIRCcam Fine Phasing | (12) 2MASS-20531595-3606303 |
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|               | 37                 |              | WFSC NIRCcam Fine Phasing | (13) 2MASS-20591949-4439031 |
|               | 38                 |              | WFSC NIRCcam Fine Phasing | (13) 2MASS-20591949-4439031 |
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|               | 40                 |              | WFSC NIRCcam Fine Phasing | (14) 2MASS-20595946+1844030 |
|               | 41                 |              | WFSC NIRCcam Fine Phasing | (14) 2MASS-20595946+1844030 |
|               | 42                 |              | WFSC NIRCcam Fine Phasing | (14) 2MASS-20595946+1844030 |
|               | 43                 |              | WFSC NIRCcam Fine Phasing | (15) 2MASS-21042977+2913490 |
|               | 44                 |              | WFSC NIRCcam Fine Phasing | (15) 2MASS-21042977+2913490 |
|               | 45                 |              | WFSC NIRCcam Fine Phasing | (15) 2MASS-21042977+2913490 |
|               | 46                 |              | WFSC NIRCcam Fine Phasing | (16) 2MASS-21050882-0506314 |
|               | 47                 |              | WFSC NIRCcam Fine Phasing | (16) 2MASS-21050882-0506314 |

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|---------------|--------------------|--------------|---------------------------|-----------------------------|
|               | 48                 |              | WFSC NIRCcam Fine Phasing | (16) 2MASS-21050882-0506314 |
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|               | 51                 |              | WFSC NIRCcam Fine Phasing | (17) 2MASS-21052715-2011557 |
|               | 52                 |              | WFSC NIRCcam Fine Phasing | (18) 2MASS-21062433-7215486 |
|               | 53                 |              | WFSC NIRCcam Fine Phasing | (18) 2MASS-21062433-7215486 |
|               | 54                 |              | WFSC NIRCcam Fine Phasing | (18) 2MASS-21062433-7215486 |
|               | 55                 |              | WFSC NIRCcam Fine Phasing | (19) 2MASS-21083196+6142232 |
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|               | 57                 |              | WFSC NIRCcam Fine Phasing | (19) 2MASS-21083196+6142232 |
|               | 58                 |              | WFSC NIRCcam Fine Phasing | (20) 2MASS-21092543+8323311 |
|               | 59                 |              | WFSC NIRCcam Fine Phasing | (20) 2MASS-21092543+8323311 |
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|               | 61                 |              | WFSC NIRCcam Fine Phasing | (21) 2MASS-21130174-5415262 |
|               | 62                 |              | WFSC NIRCcam Fine Phasing | (21) 2MASS-21130174-5415262 |
|               | 63                 |              | WFSC NIRCcam Fine Phasing | (21) 2MASS-21130174-5415262 |
|               | 64                 |              | WFSC NIRCcam Fine Phasing | (22) 2MASS-21153455-6110584 |
|               | 65                 |              | WFSC NIRCcam Fine Phasing | (22) 2MASS-21153455-6110584 |
|               | 66                 |              | WFSC NIRCcam Fine Phasing | (22) 2MASS-21153455-6110584 |
|               | 67                 |              | WFSC NIRCcam Fine Phasing | (23) 2MASS-21230682+0421316 |
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|               | 69                 |              | WFSC NIRCcam Fine Phasing | (23) 2MASS-21230682+0421316 |
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|               | 79                 |              | WFSC NIRCcam Fine Phasing | (27) 2MASS-21392468+2750195 |

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|---------------|--------------------|--------------|---------------------------|-----------------------------|
|               | 80                 |              | WFSC NIRCам Fine Phasing  | (27) 2MASS-21392468+2750195 |
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|               | 84                 |              | WFSC NIRCам Fine Phasing  | (28) 2MASS-21393004+4029034 |
|               | 85                 |              | WFSC NIRCам Fine Phasing  | (29) 2MASS-21501740-3724507 |
|               | 86                 |              | WFSC NIRCам Fine Phasing  | (29) 2MASS-21501740-3724507 |
|               | 87                 |              | WFSC NIRCам Fine Phasing  | (29) 2MASS-21501740-3724507 |
|               | 88                 |              | WFSC NIRCам Fine Phasing  | (30) 2MASS-21543208-0103401 |
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|               | 91                 |              | WFSC NIRCам Fine Phasing  | (31) 2MASS-21593602-1922431 |
|               | 92                 |              | WFSC NIRCам Fine Phasing  | (31) 2MASS-21593602-1922431 |
|               | 93                 |              | WFSC NIRCам Fine Phasing  | (31) 2MASS-21593602-1922431 |
|               | 94                 |              | WFSC NIRCам Fine Phasing  | (32) 2MASS-22104517+0909499 |
|               | 95                 |              | WFSC NIRCам Fine Phasing  | (32) 2MASS-22104517+0909499 |
|               | 96                 |              | WFSC NIRCам Fine Phasing  | (32) 2MASS-22104517+0909499 |
|               | 97                 |              | WFSC NIRCам Fine Phasing  | (33) 2MASS-22155691+7054418 |
|               | 98                 |              | WFSC NIRCам Fine Phasing  | (33) 2MASS-22155691+7054418 |
|               | 99                 |              | WFSC NIRCам Fine Phasing  | (33) 2MASS-22155691+7054418 |
|               | 100                |              | WFSC NIRCам Fine Phasing  | (34) 2MASS-22161148-2615332 |
|               | 101                |              | WFSC NIRCам Fine Phasing  | (34) 2MASS-22161148-2615332 |
|               | 102                |              | WFSC NIRCам Fine Phasing  | (34) 2MASS-22161148-2615332 |
|               | 103                |              | WFSC NIRCам Fine Phasing  | (35) 2MASS-22171773-4444346 |
|               | 104                |              | WFSC NIRCам Fine Phasing  | (35) 2MASS-22171773-4444346 |
|               | 105                |              | WFSC NIRCам Fine Phasing  | (35) 2MASS-22171773-4444346 |
|               | 106                |              | WFSC NIRCам Fine Phasing  | (36) 2MASS-22185258+2137212 |
|               | 107                |              | WFSC NIRCам Fine Phasing  | (36) 2MASS-22185258+2137212 |
|               | 108                |              | WFSC NIRCам Fine Phasing  | (36) 2MASS-22185258+2137212 |
|               | 109                |              | WFSC NIRCам Fine Phasing  | (37) 2MASS-22195872+3436283 |
|               | 110                |              | WFSC NIRCам Fine Phasing  | (37) 2MASS-22195872+3436283 |
|               | 111                |              | WFSC NIRCам Fine Phasing  | (37) 2MASS-22195872+3436283 |

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|---------------|--------------------|--------------|---------------------------|-----------------------------|
|               | 112                |              | WFSC NIRCcam Fine Phasing | (38) 2MASS-22191322-0551380 |
|               | 113                |              | WFSC NIRCcam Fine Phasing | (38) 2MASS-22191322-0551380 |
|               | 114                |              | WFSC NIRCcam Fine Phasing | (38) 2MASS-22191322-0551380 |
|               | 115                |              | WFSC NIRCcam Fine Phasing | (39) 2MASS-22300415-5331411 |
|               | 116                |              | WFSC NIRCcam Fine Phasing | (39) 2MASS-22300415-5331411 |
|               | 117                |              | WFSC NIRCcam Fine Phasing | (39) 2MASS-22300415-5331411 |
|               | 118                |              | WFSC NIRCcam Fine Phasing | (40) 2MASS-22350537+0306126 |
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|               | 127                |              | WFSC NIRCcam Fine Phasing | (43) 2MASS-22524184-1532366 |
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|               | 130                |              | WFSC NIRCcam Fine Phasing | (44) 2MASS-22544264+1452525 |
|               | 131                |              | WFSC NIRCcam Fine Phasing | (44) 2MASS-22544264+1452525 |
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|               | 133                |              | WFSC NIRCcam Fine Phasing | (45) 2MASS-22564332-0331371 |
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|               | 136                |              | WFSC NIRCcam Fine Phasing | (46) 2MASS-22580747+2728064 |
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|               | 139                |              | WFSC NIRCcam Fine Phasing | (47) 2MASS-22593534-6040437 |
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|               | 142                |              | WFSC NIRCcam Fine Phasing | (48) 2MASS-23083870-4412133 |
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|---------------|--------------------|--------------|---------------------------|-----------------------------|
|               | 144                |              | WFSC NIRCам Fine Phasing  | (48) 2MASS-23083870-4412133 |
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|               | 147                |              | WFSC NIRCам Fine Phasing  | (49) 2MASS-23143248+5258253 |
|               | 148                |              | WFSC NIRCам Fine Phasing  | (50) 2MASS-23145656-2207328 |
|               | 149                |              | WFSC NIRCам Fine Phasing  | (50) 2MASS-23145656-2207328 |
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|               | 154                |              | WFSC NIRCам Fine Phasing  | (52) 2MASS-23181840+0750062 |
|               | 155                |              | WFSC NIRCам Fine Phasing  | (52) 2MASS-23181840+0750062 |
|               | 156                |              | WFSC NIRCам Fine Phasing  | (52) 2MASS-23181840+0750062 |
|               | 157                |              | WFSC NIRCам Fine Phasing  | (53) 2MASS-23264182-7026165 |
|               | 158                |              | WFSC NIRCам Fine Phasing  | (53) 2MASS-23264182-7026165 |
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|               | 160                |              | WFSC NIRCам Fine Phasing  | (54) 2MASS-23294241-1046064 |
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|               | 163                |              | WFSC NIRCам Fine Phasing  | (55) 2MASS-23340664+2030422 |
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|               | 166                |              | WFSC NIRCам Fine Phasing  | (56) 2MASS-23341942-3153303 |
|               | 167                |              | WFSC NIRCам Fine Phasing  | (56) 2MASS-23341942-3153303 |
|               | 168                |              | WFSC NIRCам Fine Phasing  | (56) 2MASS-23341942-3153303 |
|               | 169                |              | WFSC NIRCам Fine Phasing  | (57) 2MASS-23371931-5156046 |
|               | 170                |              | WFSC NIRCам Fine Phasing  | (57) 2MASS-23371931-5156046 |
|               | 171                |              | WFSC NIRCам Fine Phasing  | (57) 2MASS-23371931-5156046 |
|               | 172                |              | WFSC NIRCам Fine Phasing  | (58) 2MASS-23394817+3247396 |
|               | 173                |              | WFSC NIRCам Fine Phasing  | (58) 2MASS-23394817+3247396 |
|               | 174                |              | WFSC NIRCам Fine Phasing  | (58) 2MASS-23394817+3247396 |
|               | 175                |              | WFSC NIRCам Fine Phasing  | (59) 2MASS-23425655+0014229 |

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|---------------|--------------------|--------------|---------------------------|-----------------------------|
|               | 176                |              | WFSC NIRCcam Fine Phasing | (59) 2MASS-23425655+0014229 |
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|               | 180                |              | WFSC NIRCcam Fine Phasing | (60) 2MASS-23530068-3807005 |
|               | 181                |              | WFSC NIRCcam Fine Phasing | (61) 2MASS-23535271+1238211 |
|               | 182                |              | WFSC NIRCcam Fine Phasing | (61) 2MASS-23535271+1238211 |
|               | 183                |              | WFSC NIRCcam Fine Phasing | (61) 2MASS-23535271+1238211 |
|               | 184                |              | WFSC NIRCcam Fine Phasing | (62) 2MASS-23545446-1907498 |
|               | 185                |              | WFSC NIRCcam Fine Phasing | (62) 2MASS-23545446-1907498 |
|               | 186                |              | WFSC NIRCcam Fine Phasing | (62) 2MASS-23545446-1907498 |
|               | 187                |              | WFSC NIRCcam Fine Phasing | (63) 2MASS-23564631+4539449 |
|               | 188                |              | WFSC NIRCcam Fine Phasing | (63) 2MASS-23564631+4539449 |
|               | 189                |              | WFSC NIRCcam Fine Phasing | (63) 2MASS-23564631+4539449 |

## ABSTRACT

The routine wavefront sensing and control (WFS&C) maintenance calibration program is necessary to fulfill a Level 1 Mission requirement on image quality. These routine WFS&C measurements will execute every ~4 days. The nominal plan is that the majority of observations will be sensing measurements only, wavefront control visits will execute only as needed. The science cycle WFS&C maintenance observations are fashioned following the similar program that will be executed every 2 days during the latter half of JWST commissioning.

## OBSERVING DESCRIPTION

The Routine Calibration for WFS&C uses the Fine Phasing (FP) template with observations defined for:

- FP using the NIRCcam weak lenses

And

- LOS Jitter using a small subarray in NIRCcam.

These are the base observations for monitoring the JWST image quality.

The overall program is set up with the grid of four hundred stars ( $K_{\text{mag}}=7.0\pm0.1$ ) and 5 copies of each observation. For APT performance reasons,

the total of over 1100 visits are split across 6 APT programs, which jointly make up the entire Cycle calibration program.

One visit from any of these 6 programs should be scheduled every four days, selecting from any target which is conveniently close to the current observatory pointing at that time. The monitoring cadence has a loose tolerance, notionally 48 hours plus or minus 12 hours between successive visits; this provides flexibility to schedule wavefront monitoring with minimal constraints to the timing of science visits.

We expect only ~93 of the total visits to be executed in 1 year. The remaining >90% will not be executed. This is intentional to provide a grid of WF sensing targets across the entire sky and then only use ones that minimize slew times based on the targets in the science plan. With 360+ targets the average spacing between targets is ~10 degrees; from any point on the sky JWST can slew ~5 deg or less to a nearby WFS target.

The operations concept for wavefront monitoring is that we have a continuous stream of WFSC routine monitoring and maintenance visits every four days, drawn from these APT programs. These visits are by design interchangeable and all identical except for choice of target star.

The JWST WF maintenance plan is to correct the mirrors using a wavefront control file as needed, only when needed. This, by design, is expected to be no more often than once every 14 days. Corrections will not be made every 14 days if the mirrors haven't drifted out of alignment; conversely if monitoring visits show significant misalignments on shorter timescales we will not wait the 14 days to issue a control - we'd issue a control in the next WFS visit four days later. The observatory was designed to be stable enough to need corrections no more often than every couple of weeks. Based on experience, observatory stability substantially exceeds this requirement and corrections are much less frequent than the 14 day pre-launch model.

When a correction is needed (based on the analysis of some observation N), it can be attached to the next observation N+1 in the sequence. This is done by the OTE/WFSC team delivering a wavefront control file to PPS, and requires no changes in APT.



# Proposal 12641 - Targets - JWST Routine Wavefront Sensing and Control for Cycle 5

| Fixed Targets | #                                                             | Name                   | Target Coordinates                                                                   | Targ. Coord. Corrections                                                                                                   | Miscellaneous |
|---------------|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------|
|               | (1)                                                           | 2MASS-19594998+4054144 | RA: 19 59 49.9812 (299.9582550d)<br>Dec: +40 54 14.17 (40.90394d)<br>Equinox: J2000  | Proper Motion RA: -2.62523850732972 mas/yr<br>Proper Motion Dec: -4.23508941773271 mas/yr<br>Epoch of Position: 2015.5     |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |
|               | (2)                                                           | 2MASS-20024607-0648182 | RA: 20 02 46.0731 (300.6919713d)<br>Dec: -06 48 18.20 (-6.80506d)<br>Equinox: J2000  | Proper Motion RA: -1.0035331715959173 mas/yr<br>Proper Motion Dec: -3.4012184378909383 mas/yr<br>Epoch of Position: 2015.5 |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |
|               | (3)                                                           | 2MASS-20055140+1106321 | RA: 20 05 51.4043 (301.4641846d)<br>Dec: +11 06 32.10 (11.10892d)<br>Equinox: J2000  | Proper Motion RA: -1.6160146122613144 mas/yr<br>Proper Motion Dec: -3.82125789788541 mas/yr<br>Epoch of Position: 2015.5   |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |
|               | (4)                                                           | 2MASS-20081300-1848138 | RA: 20 08 13.0017 (302.0541738d)<br>Dec: -18 48 14.05 (-18.80390d)<br>Equinox: J2000 | Proper Motion RA: 1.92306234569635 mas/yr<br>Proper Motion Dec: -10.8009010279743 mas/yr<br>Epoch of Position: 2015.5      |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |
|               | (5)                                                           | 2MASS-20181144+2035599 | RA: 20 18 11.4474 (304.5476975d)<br>Dec: +20 35 59.96 (20.59999d)<br>Equinox: J2000  | Proper Motion RA: -1.5974586347972526 mas/yr<br>Proper Motion Dec: -1.8937462399656102 mas/yr<br>Epoch of Position: 2015.5 |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |
|               | (6)                                                           | 2MASS-20332628-0003189 | RA: 20 33 26.2689 (308.3594538d)<br>Dec: -00 03 19.24 (-.05534d)<br>Equinox: J2000   | Proper Motion RA: -8.45633878465646 mas/yr<br>Proper Motion Dec: -13.47444400326072 mas/yr<br>Epoch of Position: 2015.5    |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |
|               | (7)                                                           | 2MASS-20340862+5126350 | RA: 20 34 8.6336 (308.5359733d)<br>Dec: +51 26 35.00 (51.44306d)<br>Equinox: J2000   | Proper Motion RA: 0.15114272626854214 mas/yr<br>Proper Motion Dec: 1.4907075287793823 mas/yr<br>Epoch of Position: 2015.5  |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |
|               | (8)                                                           | 2MASS-20382994-1253184 | RA: 20 38 29.9346 (309.6247275d)<br>Dec: -12 53 18.37 (-12.88844d)<br>Equinox: J2000 | Proper Motion RA: -8.145548864057135 mas/yr<br>Proper Motion Dec: -7.421260548634853 mas/yr<br>Epoch of Position: 2015.5   |               |
|               | Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |               |

# Proposal 12641 - Targets - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                        |                                                                                      |                                                                                                                           |
|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| (9)                                                           | 2MASS-20395399-2633352 | RA: 20 39 53.9796 (309.9749150d)<br>Dec: -26 33 35.42 (-26.55984d)<br>Equinox: J2000 | Proper Motion RA: -7.30219825770923 mas/yr<br>Proper Motion Dec: 5.4027804918536 mas/yr<br>Epoch of Position: 2015.5      |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (10)                                                          | 2MASS-20461821-8233087 | RA: 20 46 18.2325 (311.5759687d)<br>Dec: -82 33 8.78 (-82.55244d)<br>Equinox: J2000  | Proper Motion RA: 3.35176873273516 mas/yr<br>Proper Motion Dec: -9.55724697017274 mas/yr<br>Epoch of Position: 2015.5     |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (11)                                                          | 2MASS-20465501+0906545 | RA: 20 46 55.0217 (311.7292571d)<br>Dec: +09 06 54.41 (9.11511d)<br>Equinox: J2000   | Proper Motion RA: 2.497759799915945 mas/yr<br>Proper Motion Dec: -6.7126812866306285 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (12)                                                          | 2MASS-20531595-3606303 | RA: 20 53 15.9581 (313.3164921d)<br>Dec: -36 06 30.41 (-36.10845d)<br>Equinox: J2000 | Proper Motion RA: 2.2408324073257244 mas/yr<br>Proper Motion Dec: -11.907251585467328 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (13)                                                          | 2MASS-20591949-4439031 | RA: 20 59 19.4964 (314.8312350d)<br>Dec: -44 39 3.15 (-44.65087d)<br>Equinox: J2000  | Proper Motion RA: 7.44215303969394 mas/yr<br>Proper Motion Dec: -0.259490989514899 mas/yr<br>Epoch of Position: 2015.5    |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (14)                                                          | 2MASS-20595946+1844030 | RA: 20 59 59.4562 (314.9977342d)<br>Dec: +18 44 2.82 (18.73412d)<br>Equinox: J2000   | Proper Motion RA: -2.8925893892284398 mas/yr<br>Proper Motion Dec: -7.769448901932429 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (15)                                                          | 2MASS-21042977+2913490 | RA: 21 04 29.7789 (316.1240787d)<br>Dec: +29 13 48.95 (29.23026d)<br>Equinox: J2000  | Proper Motion RA: 3.2723350151756603 mas/yr<br>Proper Motion Dec: -2.0089051635098905 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (16)                                                          | 2MASS-21050882-0506314 | RA: 21 05 8.8419 (316.2868412d)<br>Dec: -05 06 31.64 (-5.10879d)<br>Equinox: J2000   | Proper Motion RA: 28.482971055288484 mas/yr<br>Proper Motion Dec: -12.697987363449867 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |

# Proposal 12641 - Targets - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                        |                                                                                      |                                                                                                                           |
|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| (17)                                                          | 2MASS-21052715-2011557 | RA: 21 05 27.1409 (316.3630871d)<br>Dec: -20 11 55.84 (-20.19884d)<br>Equinox: J2000 | Proper Motion RA: -12.855853818781288 mas/yr<br>Proper Motion Dec: -5.247946199654713 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (18)                                                          | 2MASS-21062433-7215486 | RA: 21 06 24.3257 (316.6013571d)<br>Dec: -72 15 48.73 (-72.26354d)<br>Equinox: J2000 | Proper Motion RA: -1.083699832344994 mas/yr<br>Proper Motion Dec: -10.089142732652764 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (19)                                                          | 2MASS-21083196+6142232 | RA: 21 08 31.9533 (317.1331388d)<br>Dec: +61 42 23.23 (61.70645d)<br>Equinox: J2000  | Proper Motion RA: -2.411413300858679 mas/yr<br>Proper Motion Dec: -5.823964529880936 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (20)                                                          | 2MASS-21092543+8323311 | RA: 21 09 25.4791 (317.3561629d)<br>Dec: +83 23 31.14 (83.39198d)<br>Equinox: J2000  | Proper Motion RA: 6.368260947176308 mas/yr<br>Proper Motion Dec: 3.377631046767222 mas/yr<br>Epoch of Position: 2015.5    |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (21)                                                          | 2MASS-21130174-5415262 | RA: 21 13 1.7412 (318.2572550d)<br>Dec: -54 15 26.25 (-54.25729d)<br>Equinox: J2000  | Proper Motion RA: 2.5293395889570705 mas/yr<br>Proper Motion Dec: -9.277819916575515 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (22)                                                          | 2MASS-21153455-6110584 | RA: 21 15 34.5470 (318.8939458d)<br>Dec: -61 10 58.83 (-61.18301d)<br>Equinox: J2000 | Proper Motion RA: 3.6499969964195444 mas/yr<br>Proper Motion Dec: -8.95927541786022 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (23)                                                          | 2MASS-21230682+0421316 | RA: 21 23 6.8216 (320.7784233d)<br>Dec: +04 21 31.49 (4.35875d)<br>Equinox: J2000    | Proper Motion RA: 7.008784506429413 mas/yr<br>Proper Motion Dec: -2.6655452882318893 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (24)                                                          | 2MASS-21253420-2828192 | RA: 21 25 34.1994 (321.3924975d)<br>Dec: -28 28 19.38 (-28.47205d)<br>Equinox: J2000 | Proper Motion RA: -3.8698642698498578 mas/yr<br>Proper Motion Dec: -4.465541803550648 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |

# Proposal 12641 - Targets - JWST Routine Wavefront Sensing and Control for Cycle 5

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|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| (25)                                                          | 2MASS-21330532-1044057 | RA: 21 33 5.3323 (323.2722179d)<br>Dec: -10 44 5.71 (-10.73492d)<br>Equinox: J2000   | Proper Motion RA: 8.976726455111127 mas/yr<br>Proper Motion Dec: -6.302507422172464 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (26)                                                          | 2MASS-21372931+1450350 | RA: 21 37 29.3217 (324.3721738d)<br>Dec: +14 50 35.07 (14.84308d)<br>Equinox: J2000  | Proper Motion RA: 5.030050450659402 mas/yr<br>Proper Motion Dec: -1.1092955276204322 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (27)                                                          | 2MASS-21392468+2750195 | RA: 21 39 24.6640 (324.8527667d)<br>Dec: +27 50 19.18 (27.83866d)<br>Equinox: J2000  | Proper Motion RA: -7.643489920865527 mas/yr<br>Proper Motion Dec: -11.128621436628332 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (28)                                                          | 2MASS-21393004+4029034 | RA: 21 39 30.0365 (324.8751521d)<br>Dec: +40 29 3.30 (40.48425d)<br>Equinox: J2000   | Proper Motion RA: -6.488525406512644 mas/yr<br>Proper Motion Dec: -12.196751499894635 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (29)                                                          | 2MASS-21501740-3724507 | RA: 21 50 17.4236 (327.5725983d)<br>Dec: -37 24 50.99 (-37.41416d)<br>Equinox: J2000 | Proper Motion RA: 14.891482720701324 mas/yr<br>Proper Motion Dec: -8.779178610892082 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (30)                                                          | 2MASS-21543208-0103401 | RA: 21 54 32.0796 (328.6336650d)<br>Dec: -01 03 40.25 (-1.06118d)<br>Equinox: J2000  | Proper Motion RA: -4.378120090823936 mas/yr<br>Proper Motion Dec: -9.261945260013343 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (31)                                                          | 2MASS-21593602-1922431 | RA: 21 59 36.0239 (329.9000996d)<br>Dec: -19 22 43.36 (-19.37871d)<br>Equinox: J2000 | Proper Motion RA: 0.9258684531379002 mas/yr<br>Proper Motion Dec: -12.910923260887298 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (32)                                                          | 2MASS-22104517+0909499 | RA: 22 10 45.1712 (332.6882133d)<br>Dec: +09 09 49.69 (9.16380d)<br>Equinox: J2000   | Proper Motion RA: 3.729946520531737 mas/yr<br>Proper Motion Dec: -8.904991141162013 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |

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|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| (33)                                                          | 2MASS-22155691+7054418 | RA: 22 15 56.9476 (333.9872817d)<br>Dec: +70 54 42.09 (70.91169d)<br>Equinox: J2000  | Proper Motion RA: 6.845496318184566 mas/yr<br>Proper Motion Dec: 2.246525242427411 mas/yr<br>Epoch of Position: 2015.5    |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (34)                                                          | 2MASS-22161148-2615332 | RA: 22 16 11.4830 (334.0478458d)<br>Dec: -26 15 32.84 (-26.25912d)<br>Equinox: J2000 | Proper Motion RA: 18.884998175843016 mas/yr<br>Proper Motion Dec: -1.0190066763114265 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (35)                                                          | 2MASS-22171773-4444346 | RA: 22 17 17.7369 (334.3239037d)<br>Dec: -44 44 34.57 (-44.74294d)<br>Equinox: J2000 | Proper Motion RA: 1.1460090841755868 mas/yr<br>Proper Motion Dec: 4.540389130953181 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (36)                                                          | 2MASS-22185258+2137212 | RA: 22 18 52.5995 (334.7191646d)<br>Dec: +21 37 20.87 (21.62246d)<br>Equinox: J2000  | Proper Motion RA: 12.486413135742572 mas/yr<br>Proper Motion Dec: -18.840580441625512 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (37)                                                          | 2MASS-22195872+3436283 | RA: 22 19 58.7304 (334.9947100d)<br>Dec: +34 36 28.36 (34.60788d)<br>Equinox: J2000  | Proper Motion RA: 0.522783205925259 mas/yr<br>Proper Motion Dec: -2.8959808307769928 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (38)                                                          | 2MASS-22191322-0551380 | RA: 22 19 13.2218 (334.8050908d)<br>Dec: -05 51 38.03 (-5.86056d)<br>Equinox: J2000  | Proper Motion RA: -5.129578723 mas/yr<br>Proper Motion Dec: 0.9346675301629044 mas/yr<br>Epoch of Position: 2015.5        |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (39)                                                          | 2MASS-22300415-5331411 | RA: 22 30 4.1692 (337.5173717d)<br>Dec: -53 31 41.21 (-53.52811d)<br>Equinox: J2000  | Proper Motion RA: 8.856314542202176 mas/yr<br>Proper Motion Dec: 5.995139437989543 mas/yr<br>Epoch of Position: 2015.5    |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (40)                                                          | 2MASS-22350537+0306126 | RA: 22 35 5.3832 (338.7724300d)<br>Dec: +03 06 12.53 (3.10348d)<br>Equinox: J2000    | Proper Motion RA: 3.72178574446263 mas/yr<br>Proper Motion Dec: -2.65620016149768 mas/yr<br>Epoch of Position: 2015.5     |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |

# Proposal 12641 - Targets - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                        |                                                                                      |                                                                                                                            |
|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| (41)                                                          | 2MASS-22364765+4537330 | RA: 22 36 47.6480 (339.1985333d)<br>Dec: +45 37 32.97 (45.62582d)<br>Equinox: J2000  | Proper Motion RA: -0.2633810270449295 mas/yr<br>Proper Motion Dec: -1.9816827189137767 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (42)                                                          | 2MASS-22470834-3520108 | RA: 22 47 8.3652 (341.7848550d)<br>Dec: -35 20 10.80 (-35.33633d)<br>Equinox: J2000  | Proper Motion RA: 21.635669773002938 mas/yr<br>Proper Motion Dec: 0.12028492473565645 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (43)                                                          | 2MASS-22524184-1532366 | RA: 22 52 41.8745 (343.1744771d)<br>Dec: -15 32 36.70 (-15.54353d)<br>Equinox: J2000 | Proper Motion RA: 25.6900982502171 mas/yr<br>Proper Motion Dec: 0.0460321065799839 mas/yr<br>Epoch of Position: 2015.5     |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (44)                                                          | 2MASS-22544264+1452525 | RA: 22 54 42.6536 (343.6777233d)<br>Dec: +14 52 52.51 (14.88125d)<br>Equinox: J2000  | Proper Motion RA: 2.7586402258436924 mas/yr<br>Proper Motion Dec: -3.106133817276587 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (45)                                                          | 2MASS-22564332-0331371 | RA: 22 56 43.3531 (344.1806379d)<br>Dec: -03 31 37.63 (-3.52712d)<br>Equinox: J2000  | Proper Motion RA: 29.0487405926649 mas/yr<br>Proper Motion Dec: -27.2576244520062 mas/yr<br>Epoch of Position: 2015.5      |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (46)                                                          | 2MASS-22580747+2728064 | RA: 22 58 7.4693 (344.5311221d)<br>Dec: +27 28 6.40 (27.46844d)<br>Equinox: J2000    | Proper Motion RA: -7.024870076367411 mas/yr<br>Proper Motion Dec: -7.421418737611372 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (47)                                                          | 2MASS-22593534-6040437 | RA: 22 59 35.4779 (344.8978246d)<br>Dec: -60 40 43.41 (-60.67872d)<br>Equinox: J2000 | Proper Motion RA: 65.20487734784207 mas/yr<br>Proper Motion Dec: 20.355052435392793 mas/yr<br>Epoch of Position: 2015.5    |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (48)                                                          | 2MASS-23083870-4412133 | RA: 23 08 38.7451 (347.1614379d)<br>Dec: -44 12 13.63 (-44.20379d)<br>Equinox: J2000 | Proper Motion RA: 21.547847494961065 mas/yr<br>Proper Motion Dec: -11.920267039735352 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |

# Proposal 12641 - Targets - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                        |                                                                                      |                                                                                                                            |
|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| (49)                                                          | 2MASS-23143248+5258253 | RA: 23 14 32.4735 (348.6353062d)<br>Dec: +52 58 25.32 (52.97370d)<br>Equinox: J2000  | Proper Motion RA: -3.033855335861798 mas/yr<br>Proper Motion Dec: -2.7766172943189447 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (50)                                                          | 2MASS-23145656-2207328 | RA: 23 14 56.5739 (348.7357246d)<br>Dec: -22 07 32.92 (-22.12581d)<br>Equinox: J2000 | Proper Motion RA: 7.112394581735614 mas/yr<br>Proper Motion Dec: 8.537818394334154 mas/yr<br>Epoch of Position: 2015.5     |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (51)                                                          | 2MASS-23172056+3921004 | RA: 23 17 20.5538 (349.3356408d)<br>Dec: +39 21 0.26 (39.35007d)<br>Equinox: J2000   | Proper Motion RA: -2.8304948858928785 mas/yr<br>Proper Motion Dec: -3.0492170511193315 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (52)                                                          | 2MASS-23181840+0750062 | RA: 23 18 18.4491 (349.5768713d)<br>Dec: +07 50 6.77 (7.83521d)<br>Equinox: J2000    | Proper Motion RA: 49.41346993910934 mas/yr<br>Proper Motion Dec: 26.241273090872614 mas/yr<br>Epoch of Position: 2015.5    |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (53)                                                          | 2MASS-23264182-7026165 | RA: 23 26 41.9902 (351.6749592d)<br>Dec: -70 26 16.69 (-70.43797d)<br>Equinox: J2000 | Proper Motion RA: 55.399195932874854 mas/yr<br>Proper Motion Dec: -6.674127995419367 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (54)                                                          | 2MASS-23294241-1046064 | RA: 23 29 42.3870 (352.4266125d)<br>Dec: -10 46 6.35 (-10.76843d)<br>Equinox: J2000  | Proper Motion RA: -21.75135166535289 mas/yr<br>Proper Motion Dec: -3.3023142180845824 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (55)                                                          | 2MASS-23340664+2030422 | RA: 23 34 6.6460 (353.5276917d)<br>Dec: +20 30 41.82 (20.51162d)<br>Equinox: J2000   | Proper Motion RA: -5.567205076834004 mas/yr<br>Proper Motion Dec: -6.825812732734194 mas/yr<br>Epoch of Position: 2015.5   |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |
| (56)                                                          | 2MASS-23341942-3153303 | RA: 23 34 19.4204 (353.5809183d)<br>Dec: -31 53 30.38 (-31.89177d)<br>Equinox: J2000 | Proper Motion RA: 8.385137341105256 mas/yr<br>Proper Motion Dec: -5.721995816386821 mas/yr<br>Epoch of Position: 2015.5    |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                            |

# Proposal 12641 - Targets - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                        |                                                                                      |                                                                                                                           |
|---------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| (57)                                                          | 2MASS-23371931-5156046 | RA: 23 37 19.3386 (354.3305775d)<br>Dec: -51 56 4.75 (-51.93465d)<br>Equinox: J2000  | Proper Motion RA: 20.526288006488592 mas/yr<br>Proper Motion Dec: -5.322266383569586 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (58)                                                          | 2MASS-23394817+3247396 | RA: 23 39 48.1543 (354.9506429d)<br>Dec: +32 47 39.68 (32.79436d)<br>Equinox: J2000  | Proper Motion RA: -2.9650722979677226 mas/yr<br>Proper Motion Dec: 3.4185248471590635 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (59)                                                          | 2MASS-23425655+0014229 | RA: 23 42 56.5911 (355.7357962d)<br>Dec: +00 14 23.42 (.23984d)<br>Equinox: J2000    | Proper Motion RA: 37.0132945462513 mas/yr<br>Proper Motion Dec: 24.064554679195 mas/yr<br>Epoch of Position: 2015.5       |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (60)                                                          | 2MASS-23530068-3807005 | RA: 23 53 0.6973 (358.2529054d)<br>Dec: -38 07 0.28 (-38.11674d)<br>Equinox: J2000   | Proper Motion RA: 16.523539254227988 mas/yr<br>Proper Motion Dec: 12.820890045665475 mas/yr<br>Epoch of Position: 2015.5  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (61)                                                          | 2MASS-23535271+1238211 | RA: 23 53 52.7199 (358.4696662d)<br>Dec: +12 38 20.73 (12.63909d)<br>Equinox: J2000  | Proper Motion RA: -1.837879517165237 mas/yr<br>Proper Motion Dec: -21.982356524915673 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (62)                                                          | 2MASS-23545446-1907498 | RA: 23 54 54.4745 (358.7269771d)<br>Dec: -19 07 49.79 (-19.13050d)<br>Equinox: J2000 | Proper Motion RA: 3.51379792318595 mas/yr<br>Proper Motion Dec: 10.9145508373454 mas/yr<br>Epoch of Position: 2015.5      |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |
| (63)                                                          | 2MASS-23564631+4539449 | RA: 23 56 46.3030 (359.1929292d)<br>Dec: +45 39 44.99 (45.66250d)<br>Equinox: J2000  | Proper Motion RA: -4.776882552257666 mas/yr<br>Proper Motion Dec: -1.1355462330502215 mas/yr<br>Epoch of Position: 2015.5 |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                        |                                                                                      |                                                                                                                           |



# Proposal 12641 - Observation 1 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 1                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 1) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (1)                                                                                                         | 2MASS-19594998+4054144 | RA: 19 59 49.9812 (299.9582550d)<br>Dec: +40 54 14.17 (40.90394d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.62523850732972 mas/yr<br>Proper Motion Dec: -4.23508941773271 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 2 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 2                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 2) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (1)                                                                                                         | 2MASS-19594998+4054144 | RA: 19 59 49.9812 (299.9582550d)<br>Dec: +40 54 14.17 (40.90394d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.62523850732972 mas/yr<br>Proper Motion Dec: -4.23508941773271 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 3 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 3                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing                 |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 3) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                                               | (Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (1)                                                                                                         | 2MASS-19594998+4054144 | RA: 19 59 49.9812 (299.9582550d)<br>Dec: +40 54 14.17 (40.90394d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.62523850732972 mas/yr<br>Proper Motion Dec: -4.23508941773271 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 3 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 4 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 4                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing                 |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 4) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                                                               | (Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (2)                                                                                                         | 2MASS-20024607-0648182 | RA: 20 02 46.0731 (300.6919713d)<br>Dec: -06 48 18.20 (-6.80506d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.0035331715959173 mas/yr<br>Proper Motion Dec: -3.4012184378909383 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 4 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 5 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|-------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 5                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 5) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | (Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (2)                                                                                                         | 2MASS-20024607-0648182 | RA: 20 02 46.0731 (300.6919713d)<br>Dec: -06 48 18.20 (-6.80506d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.0035331715959173 mas/yr<br>Proper Motion Dec: -3.4012184378909383 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                        |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 6 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 6                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 6) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                                              | (Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                                              | (2)                                                                                                         | 2MASS-20024607-0648182 | RA: 20 02 46.0731 (300.6919713d)<br>Dec: -06 48 18.20 (-6.80506d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.0035331715959173 mas/yr<br>Proper Motion Dec: -3.4012184378909383 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:                                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                                              | Category=Calibration<br>Description=[Focus test]                                                            |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 6 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 7 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 7                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 7) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | (Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                              | (3)                                                                                                         | 2MASS-20055140+1106321 | RA: 20 05 51.4043 (301.4641846d)<br>Dec: +11 06 32.10 (11.10892d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.6160146122613144 mas/yr<br>Proper Motion Dec: -3.82125789788541 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:<br>Category=Calibration<br>Description=[Focus test]                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 8 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                               |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                   | Proposal 12641, Observation 8                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                               | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                   | (Observation 8) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                               | (Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                 | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                               | (3)                                                                                                         | 2MASS-20055140+1106321 | RA: 20 05 51.4043 (301.4641846d)<br>Dec: +11 06 32.10 (11.10892d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.6160146122613144 mas/yr<br>Proper Motion Dec: -3.82125789788541 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                               | Comments:<br>Category=Calibration<br>Description=[Focus test]                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                               |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                   | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                      | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                               | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                       | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                               | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                             | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                             | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                               | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                               | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 9 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                               |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                   | Proposal 12641, Observation 9                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                               | Diagnostic Status: Warning                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                   | (Observation 9) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                               | (Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                 | #                                                                                                           | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                               | (3)                                                                                                         | 2MASS-20055140+1106321 | RA: 20 05 51.4043 (301.4641846d)<br>Dec: +11 06 32.10 (11.10892d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.6160146122613144 mas/yr<br>Proper Motion Dec: -3.82125789788541 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                               | Comments:<br>Category=Calibration<br>Description=[Focus test]                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                               |                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                   | #                                                                                                           | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                           | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                      | Module                                                                                                      |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                               | A                                                                                                           |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                       | #                                                                                                           | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                               | 1                                                                                                           | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                             | #                                                                                                           | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                           | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                             | #                                                                                                           | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                               | 1                                                                                                           | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                               | 2                                                                                                           | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 10 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 10                                                                               |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 10) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | (Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (4)                                                                                                          | 2MASS-20081300-1848138 | RA: 20 08 13.0017 (302.0541738d)<br>Dec: -18 48 14.05 (-18.80390d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 1.92306234569635 mas/yr<br>Proper Motion Dec: -10.8009010279743 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Category=Calibration<br>Description=[Focus test]                                                             |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 11 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|---------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 11                                                                                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
| Diagnostics       | (Observation 11) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                              |                  | Miscellaneous                |                     |                     |                 |
|                   | (4)                                                                                                                                                                                                          | 2MASS-20081300-1848138 | RA: 20 08 13.0017 (302.0541738d)<br>Dec: -18 48 14.05 (-18.80390d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 1.92306234569635 mas/yr<br>Proper Motion Dec: -10.8009010279743 mas/yr<br>Epoch of Position: 2015.5 |                  |                              |                     |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                            | 0.203               |                     |                 |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                             |                  | Expected No. of WFC Commands |                     |                     |                 |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                   |                  | 0                            |                     |                     |                 |
| Dithers           | #                                                                                                                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                   |                  |                              |                     |                     |                 |
|                   | 1                                                                                                                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                  |                  |                              |                     |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                   | 1                | 750                          | 120.57              |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                            | 2                   | 96.631              |                 |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                            | 2                   | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 12 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 12                                                                               |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 12) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | (Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (4)                                                                                                          | 2MASS-20081300-1848138 | RA: 20 08 13.0017 (302.0541738d)<br>Dec: -18 48 14.05 (-18.80390d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 1.92306234569635 mas/yr<br>Proper Motion Dec: -10.8009010279743 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 13 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 13                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 13) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | (Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (5)                                                                                                          | 2MASS-20181144+2035599 | RA: 20 18 11.4474 (304.5476975d)<br>Dec: +20 35 59.96 (20.59999d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.5974586347972526 mas/yr<br>Proper Motion Dec: -1.8937462399656102 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 14 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 14                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     |                              |
| Diagnostics       | (Observation 14) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     |                              |
|                   | (Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                     |                    | Miscellaneous                |                     |                              |
|                   | (5)                                                                                                          | 2MASS-20181144+2035599 | RA: 20 18 11.4474 (304.5476975d)<br>Dec: +20 35 59.96 (20.59999d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.5974586347972526 mas/yr<br>Proper Motion Dec: -1.8937462399656102 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                            |                     |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                   | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                     |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                     |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 |                                                                                                                            | Primary Dither Type |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 |                                                                                                                            | NONE                |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                   | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                   | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 15 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 15                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 15) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | (Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (5)                                                                                                          | 2MASS-20181144+2035599 | RA: 20 18 11.4474 (304.5476975d)<br>Dec: +20 35 59.96 (20.59999d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.5974586347972526 mas/yr<br>Proper Motion Dec: -1.8937462399656102 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 16 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 16                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 16) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (6)                                                                                                          | 2MASS-20332628-0003189 | RA: 20 33 26.2689 (308.3594538d)<br>Dec: -00 03 19.24 (-.05534d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -8.45633878465646 mas/yr<br>Proper Motion Dec: -13.47444400326072 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 17 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 17                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 17) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (6)                                                                                                          | 2MASS-20332628-0003189 | RA: 20 33 26.2689 (308.3594538d)<br>Dec: -00 03 19.24 (-.05534d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -8.45633878465646 mas/yr<br>Proper Motion Dec: -13.47444400326072 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 18 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 18                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 18) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (6)                                                                                                          | 2MASS-20332628-0003189 | RA: 20 33 26.2689 (308.3594538d)<br>Dec: -00 03 19.24 (-.05534d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -8.45633878465646 mas/yr<br>Proper Motion Dec: -13.47444400326072 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 19 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 19                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 19) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (7)                                                                                                          | 2MASS-20340862+5126350 | RA: 20 34 8.6336 (308.5359733d)<br>Dec: +51 26 35.00 (51.44306d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.15114272626854214 mas/yr<br>Proper Motion Dec: 1.4907075287793823 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 20 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                               |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation                                   | Proposal 12641, Observation 20                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                               | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics                                   | (Observation 20) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                               | (Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets                                 | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                                               | (7)                                                                                                          | 2MASS-20340862+5126350 | RA: 20 34 8.6336 (308.5359733d)<br>Dec: +51 26 35.00 (51.44306d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.15114272626854214 mas/yr<br>Proper Motion Dec: 1.4907075287793823 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                               | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                               |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition                                   | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                                      | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                               | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                                       | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                               | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements                             | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                             | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                               | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                                               | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 21 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 21                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 21) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (7)                                                                                                          | 2MASS-20340862+5126350 | RA: 20 34 8.6336 (308.5359733d)<br>Dec: +51 26 35.00 (51.44306d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.15114272626854214 mas/yr<br>Proper Motion Dec: 1.4907075287793823 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 22 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 22                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 22) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (8)                                                                                                          | 2MASS-20382994-1253184 | RA: 20 38 29.9346 (309.6247275d)<br>Dec: -12 53 18.37 (-12.88844d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -8.145548864057135 mas/yr<br>Proper Motion Dec: -7.421260548634853 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 23 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 23                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 23) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (8)                                                                                                          | 2MASS-20382994-1253184 | RA: 20 38 29.9346 (309.6247275d)<br>Dec: -12 53 18.37 (-12.88844d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -8.145548864057135 mas/yr<br>Proper Motion Dec: -7.421260548634853 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 24 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation              | Proposal 12641, Observation 24                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 24) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                          | (Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                          | (8)                                                                                                          | 2MASS-20382994-1253184 | RA: 20 38 29.9346 (309.6247275d)<br>Dec: -12 53 18.37 (-12.88844d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -8.145548864057135 mas/yr<br>Proper Motion Dec: -7.421260548634853 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                         |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                          | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 25 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                      |                     |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 25                                                                                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                      |                     |                    |                              |                     |                              |
| Diagnostics       | Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                                                 |                        |                                                                                      |                 |                 |                                                                                                                      |                     |                    |                              |                     |                              |
|                   | (Observation 25) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                      |                     |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                             |                     |                    | Miscellaneous                |                     |                              |
|                   | (9)                                                                                                                                                                                                          | 2MASS-20395399-2633352 | RA: 20 39 53.9796 (309.9749150d)<br>Dec: -26 33 35.42 (-26.55984d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.30219825770923 mas/yr<br>Proper Motion Dec: 5.4027804918536 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                           | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                    | 1                   | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                            |                     |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                  |                     |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                            |                        |                                                                                      |                 |                 |                                                                                                                      | Primary Dither Type |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                            |                        |                                                                                      |                 |                 |                                                                                                                      | NONE                |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                     | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                  | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                      | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                   | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                   | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 26 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 26                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 26) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | (Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                             |                  |                    | Miscellaneous                |                     |                              |
|                   | (9)                                                                                                          | 2MASS-20395399-2633352 | RA: 20 39 53.9796 (309.9749150d)<br>Dec: -26 33 35.42 (-26.55984d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.30219825770923 mas/yr<br>Proper Motion Dec: 5.4027804918536 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                           | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                    | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                            |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                  |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                     | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                  | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                      | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 27 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 27                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 27) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
|                   | (Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                             |                  |                    | Miscellaneous                |                     |                 |
|                   | (9)                                                                                                          | 2MASS-20395399-2633352 | RA: 20 39 53.9796 (309.9749150d)<br>Dec: -26 33 35.42 (-26.55984d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.30219825770923 mas/yr<br>Proper Motion Dec: 5.4027804918536 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                           | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                    | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                            |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                  |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                  |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                 |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                     | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                  | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                      | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 28 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
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| Observation       | Proposal 12641, Observation 28                                                                                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
| Diagnostics       | (Observation 28) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                              |                  | Miscellaneous                |                     |                     |                 |
|                   | (10)                                                                                                                                                                                                         | 2MASS-20461821-8233087 | RA: 20 46 18.2325 (311.5759687d)<br>Dec: -82 33 8.78 (-82.55244d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.35176873273516 mas/yr<br>Proper Motion Dec: -9.55724697017274 mas/yr<br>Epoch of Position: 2015.5 |                  |                              |                     |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                              |                     |                     |                 |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                            | 0.203               |                     |                 |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                             |                  | Expected No. of WFC Commands |                     |                     |                 |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                   |                  | 0                            |                     |                     |                 |
| Dithers           | #                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                   |                  |                              |                     |                     |                 |
|                   | 1                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                  |                  |                              |                     |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                   | 1                | 750                          | 120.57              |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                            | 2                   | 96.631              |                 |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                            | 2                   | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 29 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 29                                                                                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 29) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (10)                                                                                                                                                                                                         | 2MASS-20461821-8233087 | RA: 20 46 18.2325 (311.5759687d)<br>Dec: -82 33 8.78 (-82.55244d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.35176873273516 mas/yr<br>Proper Motion Dec: -9.55724697017274 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                   |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                  |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 30 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 30                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 30) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | (Visit 30:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (10)                                                                                                         | 2MASS-20461821-8233087 | RA: 20 46 18.2325 (311.5759687d)<br>Dec: -82 33 8.78 (-82.55244d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.35176873273516 mas/yr<br>Proper Motion Dec: -9.55724697017274 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 31 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 31                                                                                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                                                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 31) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 31:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (11)                                                                                                                                                                                                         | 2MASS-20465501+0906545 | RA: 20 46 55.0217 (311.7292571d)<br>Dec: +09 06 54.41 (9.11511d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.497759799915945 mas/yr<br>Proper Motion Dec: -6.7126812866306285 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 32 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
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| Observation       | Proposal 12641, Observation 32                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 32) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | (Visit 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                 |
|                   | (11)                                                                                                         | 2MASS-20465501+0906545 | RA: 20 46 55.0217 (311.7292571d)<br>Dec: +09 06 54.41 (9.11511d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.497759799915945 mas/yr<br>Proper Motion Dec: -6.7126812866306285 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                    |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 33 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 33                                                                                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 33) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 33:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (11)                                                                                                                                                                                                         | 2MASS-20465501+0906545 | RA: 20 46 55.0217 (311.7292571d)<br>Dec: +09 06 54.41 (9.11511d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.497759799915945 mas/yr<br>Proper Motion Dec: -6.7126812866306285 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 34 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 34                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Diagnostics       | (Observation 34) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|                   | (Visit 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                     |                    | Miscellaneous                |                     |                              |
|                   | (12)                                                                                                         | 2MASS-20531595-3606303 | RA: 20 53 15.9581 (313.3164921d)<br>Dec: -36 06 30.41 (-36.10845d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.2408324073257244 mas/yr<br>Proper Motion Dec: -11.907251585467328 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                   | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                     |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                     |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 |                                                                                                                           | Primary Dither Type |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 |                                                                                                                           | NONE                |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 35 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 35                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 35) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 35:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (12)                                                                                                         | 2MASS-20531595-3606303 | RA: 20 53 15.9581 (313.3164921d)<br>Dec: -36 06 30.41 (-36.10845d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.2408324073257244 mas/yr<br>Proper Motion Dec: -11.907251585467328 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 36 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 36                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 36) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 36:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (12)                                                                                                         | 2MASS-20531595-3606303 | RA: 20 53 15.9581 (313.3164921d)<br>Dec: -36 06 30.41 (-36.10845d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.2408324073257244 mas/yr<br>Proper Motion Dec: -11.907251585467328 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 37 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 37                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 37) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 37:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (13)                                                                                                         | 2MASS-20591949-4439031 | RA: 20 59 19.4964 (314.8312350d)<br>Dec: -44 39 3.15 (-44.65087d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.44215303969394 mas/yr<br>Proper Motion Dec: -0.259490989514899 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 38 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 38                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 38) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 38:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (13)                                                                                                         | 2MASS-20591949-4439031 | RA: 20 59 19.4964 (314.8312350d)<br>Dec: -44 39 3.15 (-44.65087d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.44215303969394 mas/yr<br>Proper Motion Dec: -0.259490989514899 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 39 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 39                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 39) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 39:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (13)                                                                                                         | 2MASS-20591949-4439031 | RA: 20 59 19.4964 (314.8312350d)<br>Dec: -44 39 3.15 (-44.65087d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.44215303969394 mas/yr<br>Proper Motion Dec: -0.259490989514899 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                    |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                   |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 40 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 40                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 40) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 40:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (14)                                                                                                         | 2MASS-20595946+1844030 | RA: 20 59 59.4562 (314.9977342d)<br>Dec: +18 44 2.82 (18.73412d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.8925893892284398 mas/yr<br>Proper Motion Dec: -7.769448901932429 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                    |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 41 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 41                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 41) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 41:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (14)                                                                                                         | 2MASS-20595946+1844030 | RA: 20 59 59.4562 (314.9977342d)<br>Dec: +18 44 2.82 (18.73412d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.8925893892284398 mas/yr<br>Proper Motion Dec: -7.769448901932429 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 42 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 42                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 42) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 42:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (14)                                                                                                         | 2MASS-20595946+1844030 | RA: 20 59 59.4562 (314.9977342d)<br>Dec: +18 44 2.82 (18.73412d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.8925893892284398 mas/yr<br>Proper Motion Dec: -7.769448901932429 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 43 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 43                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 43) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 43:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (15)                                                                                                         | 2MASS-21042977+2913490 | RA: 21 04 29.7789 (316.1240787d)<br>Dec: +29 13 48.95 (29.23026d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.2723350151756603 mas/yr<br>Proper Motion Dec: -2.0089051635098905 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 44 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 44                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 44) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 44:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (15)                                                                                                         | 2MASS-21042977+2913490 | RA: 21 04 29.7789 (316.1240787d)<br>Dec: +29 13 48.95 (29.23026d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.2723350151756603 mas/yr<br>Proper Motion Dec: -2.0089051635098905 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 45 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 45                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 45) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 45:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (15)                                                                                                         | 2MASS-21042977+2913490 | RA: 21 04 29.7789 (316.1240787d)<br>Dec: +29 13 48.95 (29.23026d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.2723350151756603 mas/yr<br>Proper Motion Dec: -2.0089051635098905 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 46 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 46                                                                                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Observation 46) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 46:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (16)                                                                                                                                                                                                         | 2MASS-21050882-0506314 | RA: 21 05 8.8419 (316.2868412d)<br>Dec: -05 06 31.64 (-5.10879d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 28.482971055288484 mas/yr<br>Proper Motion Dec: -12.697987363449867 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Acquisition       | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | #                                                                                                                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
| Template          | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
|                   | Module                                                                                                                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
| Dithers           | A                                                                                                                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
|                   | #                                                                                                                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | 1                                                                                                                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
| Spectral Elements | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
|                   | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
| Spectral Elements | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 47 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 47                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 47) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 47:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (16)                                                                                                         | 2MASS-21050882-0506314 | RA: 21 05 8.8419 (316.2868412d)<br>Dec: -05 06 31.64 (-5.10879d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 28.482971055288484 mas/yr<br>Proper Motion Dec: -12.697987363449867 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 48 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 48                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 48) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 48:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (16)                                                                                                         | 2MASS-21050882-0506314 | RA: 21 05 8.8419 (316.2868412d)<br>Dec: -05 06 31.64 (-5.10879d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 28.482971055288484 mas/yr<br>Proper Motion Dec: -12.697987363449867 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 49 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 49                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 49) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 49:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (17)                                                                                                         | 2MASS-21052715-2011557 | RA: 21 05 27.1409 (316.3630871d)<br>Dec: -20 11 55.84 (-20.19884d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -12.855853818781288 mas/yr<br>Proper Motion Dec: -5.247946199654713 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 50 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 50                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 50) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 50:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (17)                                                                                                         | 2MASS-21052715-2011557 | RA: 21 05 27.1409 (316.3630871d)<br>Dec: -20 11 55.84 (-20.19884d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -12.855853818781288 mas/yr<br>Proper Motion Dec: -5.247946199654713 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 51 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 51                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 51) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 51:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (17)                                                                                                         | 2MASS-21052715-2011557 | RA: 21 05 27.1409 (316.3630871d)<br>Dec: -20 11 55.84 (-20.19884d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -12.855853818781288 mas/yr<br>Proper Motion Dec: -5.247946199654713 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 52 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                               |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                   | Proposal 12641, Observation 52                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                               | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics                                   | (Observation 52) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                               | (Visit 52:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets                                 | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                                               | (18)                                                                                                         | 2MASS-21062433-7215486 | RA: 21 06 24.3257 (316.6013571d)<br>Dec: -72 15 48.73 (-72.26354d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.083699832344994 mas/yr<br>Proper Motion Dec: -10.089142732652764 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                               | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                               |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition                                   | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                                      | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                               | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                                       | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                               | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements                             | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                             | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                               | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                                               | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 53 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 53                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing                  |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 53) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                                               | (Visit 53:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (18)                                                                                                         | 2MASS-21062433-7215486 | RA: 21 06 24.3257 (316.6013571d)<br>Dec: -72 15 48.73 (-72.26354d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.083699832344994 mas/yr<br>Proper Motion Dec: -10.089142732652764 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 54 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|---------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 54                                                                                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
| Diagnostics       | (Observation 54) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 54:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                              | Miscellaneous       |                     |                              |
|                   | (18)                                                                                                                                                                                                         | 2MASS-21062433-7215486 | RA: 21 06 24.3257 (316.6013571d)<br>Dec: -72 15 48.73 (-72.26354d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.083699832344994 mas/yr<br>Proper Motion Dec: -10.089142732652764 mas/yr<br>Epoch of Position: 2015.5 |                  |                              |                     |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
|                   |                                                                                                                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations           | Total Exposure Time | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                            | 0.203               |                     |                              |
| Template          | Module                                                                                                                                                                                                       | Sensing type           |                                                                                      |                 | Diversity       |                                                                                                                           |                  | Expected No. of WFC Commands |                     |                     |                              |
|                   | A                                                                                                                                                                                                            | Both                   |                                                                                      |                 | PM8             |                                                                                                                           |                  | 0                            |                     |                     |                              |
| Dithers           | #                                                                                                                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
|                   | 1                                                                                                                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                              |                     |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations           | Total Exposure Time | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                          | 120.57              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                            | 2                   | 96.631              |                              |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                            | 2                   | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 55 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 55                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 55) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | (Visit 55:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                              | (19)                                                                                                         | 2MASS-21083196+6142232 | RA: 21 08 31.9533 (317.1331388d)<br>Dec: +61 42 23.23 (61.70645d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.411413300858679 mas/yr<br>Proper Motion Dec: -5.823964529880936 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | Category=Calibration<br>Description=[Focus test]                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 56 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 56                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing                  |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 56) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                                               | (Visit 56:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (19)                                                                                                         | 2MASS-21083196+6142232 | RA: 21 08 31.9533 (317.1331388d)<br>Dec: +61 42 23.23 (61.70645d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.411413300858679 mas/yr<br>Proper Motion Dec: -5.823964529880936 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 57 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 57                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 57) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | (Visit 57:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                              | (19)                                                                                                         | 2MASS-21083196+6142232 | RA: 21 08 31.9533 (317.1331388d)<br>Dec: +61 42 23.23 (61.70645d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.411413300858679 mas/yr<br>Proper Motion Dec: -5.823964529880936 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | Category=Calibration<br>Description=[Focus test]                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 58 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 58                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 58) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 58:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (20)                                                                                                         | 2MASS-21092543+8323311 | RA: 21 09 25.4791 (317.3561629d)<br>Dec: +83 23 31.14 (83.39198d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 6.368260947176308 mas/yr<br>Proper Motion Dec: 3.377631046767222 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 59 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                              |                     |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|---------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 59                                                                                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                              |                     |                     |                 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                              |                     |                     |                 |
| Diagnostics       | (Observation 59) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 59:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                              |                     |                     |                 |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  | Miscellaneous                |                     |                     |                 |
|                   | (20)                                                                                                                                                                                                         | 2MASS-21092543+8323311 | RA: 21 09 25.4791 (317.3561629d)<br>Dec: +83 23 31.14 (83.39198d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 6.368260947176308 mas/yr<br>Proper Motion Dec: 3.377631046767222 mas/yr<br>Epoch of Position: 2015.5 |                  |                              |                     |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                              |                     |                     |                 |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                            | 0.203               |                     |                 |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  | Expected No. of WFC Commands |                     |                     |                 |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  | 0                            |                     |                     |                 |
| Dithers           | #                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                    |                  |                              |                     |                     |                 |
|                   | 1                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                   |                  |                              |                     |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                          | 120.57              |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                            | 2                   | 96.631              |                 |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                            | 2                   | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 60 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 60                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 60) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                              | (Visit 60:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                                              | (20)                                                                                                         | 2MASS-21092543+8323311 | RA: 21 09 25.4791 (317.3561629d)<br>Dec: +83 23 31.14 (83.39198d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 6.368260947176308 mas/yr<br>Proper Motion Dec: 3.377631046767222 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 61 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 61                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 61) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | (Visit 61:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                 |
|                   | (21)                                                                                                         | 2MASS-21130174-5415262 | RA: 21 13 1.7412 (318.2572550d)<br>Dec: -54 15 26.25 (-54.25729d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.5293395889570705 mas/yr<br>Proper Motion Dec: -9.277819916575515 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 62 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 62                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 62) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 62:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (21)                                                                                                         | 2MASS-21130174-5415262 | RA: 21 13 1.7412 (318.2572550d)<br>Dec: -54 15 26.25 (-54.25729d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.5293395889570705 mas/yr<br>Proper Motion Dec: -9.277819916575515 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 63 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 63                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCам Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 63) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 63:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (21)                                                                                                         | 2MASS-21130174-5415262 | RA: 21 13 1.7412 (318.2572550d)<br>Dec: -54 15 26.25 (-54.25729d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.5293395889570705 mas/yr<br>Proper Motion Dec: -9.277819916575515 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 64 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 64                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing                  |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 64) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                                                               | (Visit 64:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (22)                                                                                                         | 2MASS-21153455-6110584 | RA: 21 15 34.5470 (318.8939458d)<br>Dec: -61 10 58.83 (-61.18301d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.6499969964195444 mas/yr<br>Proper Motion Dec: -8.95927541786022 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 65 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 65                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 65) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 65:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (22)                                                                                                         | 2MASS-21153455-6110584 | RA: 21 15 34.5470 (318.8939458d)<br>Dec: -61 10 58.83 (-61.18301d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.6499969964195444 mas/yr<br>Proper Motion Dec: -8.95927541786022 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 66 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                         |                     |                              |                     |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------|---------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 66                                                                                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                     |                              |                     |                     |                 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                         |                     |                              |                     |                     |                 |
| Diagnostics       | (Observation 66) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 66:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                         |                     |                              |                     |                     |                 |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                     | Miscellaneous                |                     |                     |                 |
|                   | (22)                                                                                                                                                                                                         | 2MASS-21153455-6110584 | RA: 21 15 34.5470 (318.8939458d)<br>Dec: -61 10 58.83 (-61.18301d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.6499969964195444 mas/yr<br>Proper Motion Dec: -8.95927541786022 mas/yr<br>Epoch of Position: 2015.5 |                     |                              |                     |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                     |                              |                     |                     |                 |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp    | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                   | 1                            | 0.203               |                     |                 |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                     | Expected No. of WFC Commands |                     |                     |                 |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                     | 0                            |                     |                     |                 |
| Dithers           | #                                                                                                                                                                                                            |                        |                                                                                      |                 |                 |                                                                                                                         | Primary Dither Type |                              |                     |                     |                 |
|                   | 1                                                                                                                                                                                                            |                        |                                                                                      |                 |                 |                                                                                                                         | NONE                |                              |                     |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures           | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                   | 750                          | 120.57              |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int          | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                   | 2                            | 2                   | 96.631              |                 |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                   | 2                            | 2                   | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 67 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 67                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 67) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | (Visit 67:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                 |
|                   | (23)                                                                                                         | 2MASS-21230682+0421316 | RA: 21 23 6.8216 (320.7784233d)<br>Dec: +04 21 31.49 (4.35875d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.008784506429413 mas/yr<br>Proper Motion Dec: -2.6655452882318893 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   |                                                                                                              |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                              |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                   |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 68 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
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| Observation       | Proposal 12641, Observation 68                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
| Diagnostics       | (Observation 68) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
|                   | (Visit 68:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                              | Miscellaneous       |                     |                              |
|                   | (23)                                                                                                         | 2MASS-21230682+0421316 | RA: 21 23 6.8216 (320.7784233d)<br>Dec: +04 21 31.49 (4.35875d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.008784506429413 mas/yr<br>Proper Motion Dec: -2.6655452882318893 mas/yr<br>Epoch of Position: 2015.5 |                  |                              |                     |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
|                   |                                                                                                              |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations           | Total Exposure Time | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                            | 0.203               |                     |                              |
| Template          | Module                                                                                                       | Sensing type           |                                                                                   |                 | Diversity       |                                                                                                                          |                  | Expected No. of WFC Commands |                     |                     |                              |
|                   | A                                                                                                            | Both                   |                                                                                   |                 | PM8             |                                                                                                                          |                  | 0                            |                     |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                   |                 |                 |                                                                                                                          |                  |                              |                     |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations           | Total Exposure Time | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                      | 1                | 750                          | 120.57              |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                            | 2                   | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                            | 2                   | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 69 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 69                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 69) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 69:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (23)                                                                                                         | 2MASS-21230682+0421316 | RA: 21 23 6.8216 (320.7784233d)<br>Dec: +04 21 31.49 (4.35875d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.008784506429413 mas/yr<br>Proper Motion Dec: -2.6655452882318893 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                              |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                   |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 70 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------|-----------------|-----------------|----------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 70                                                                               |                        |                                  |                 |                 |                                              |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 70) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
|                   | (Visit 70:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates               |                 |                 | Targ. Coord. Corrections                     |                  |                    | Miscellaneous                |                     |                              |
|                   | (24)                                                                                                         | 2MASS-21253420-2828192 | RA: 21 25 34.1994 (321.3924975d) |                 |                 | Proper Motion RA: -3.8698642698498578 mas/yr |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        | Dec: -28 28 19.38 (-28.47205d)   |                 |                 | Proper Motion Dec: -4.465541803550648 mas/yr |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        | Equinox: J2000                   |                 |                 | Epoch of Position: 2015.5                    |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                         | Filter          | Readout Pattern | Groups/Int                                   | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                        | F212N           | RAPID           | 3                                            | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                     |                 |                 | Diversity                                    |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                             |                 |                 | PM8                                          |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                  |                 |                 |                                              |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                     | Readout Pattern | Groups/Int      | Integrations/Exp                             | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                            | RAPID           | 72              | 750                                          | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                     | Long Pupil      | Long Filter     | Readout Pattern                              | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                            | CLEAR           | F356W           | RAPID                                        | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                            | CLEAR           | F356W           | RAPID                                        | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 71 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 71                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 71) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | (Visit 71:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                 |
|                   | (24)                                                                                                         | 2MASS-21253420-2828192 | RA: 21 25 34.1994 (321.3924975d)<br>Dec: -28 28 19.38 (-28.47205d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -3.8698642698498578 mas/yr<br>Proper Motion Dec: -4.465541803550648 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 72 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 72                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 72) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              | (Visit 72:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                                              | (24)                                                                                                         | 2MASS-21253420-2828192 | RA: 21 25 34.1994 (321.3924975d)<br>Dec: -28 28 19.38 (-28.47205d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -3.8698642698498578 mas/yr<br>Proper Motion Dec: -4.465541803550648 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:                                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              | Category=Calibration<br>Description=[Focus test]                                                             |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 73 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 73                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 73) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 73:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (25)                                                                                                         | 2MASS-21330532-1044057 | RA: 21 33 5.3323 (323.2722179d)<br>Dec: -10 44 5.71 (-10.73492d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.976726455111127 mas/yr<br>Proper Motion Dec: -6.302507422172464 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 74 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation              | Proposal 12641, Observation 74                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 74) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | (Visit 74:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                          | (25)                                                                                                         | 2MASS-21330532-1044057 | RA: 21 33 5.3323 (323.2722179d)<br>Dec: -10 44 5.71 (-10.73492d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.976726455111127 mas/yr<br>Proper Motion Dec: -6.302507422172464 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                         |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                            |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                     |                  |                    |                              |                     |                              |
|                          | 1                                                                                                            |                        |                                                                                    |                 |                 | NONE                                                                                                                    |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 75 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 75                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 75) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 75:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (25)                                                                                                         | 2MASS-21330532-1044057 | RA: 21 33 5.3323 (323.2722179d)<br>Dec: -10 44 5.71 (-10.73492d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.976726455111127 mas/yr<br>Proper Motion Dec: -6.302507422172464 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                     |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                    |                 |                 | NONE                                                                                                                    |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 76 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 76                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 76) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | (Visit 76:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                              | (26)                                                                                                         | 2MASS-21372931+1450350 | RA: 21 37 29.3217 (324.3721738d)<br>Dec: +14 50 35.07 (14.84308d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 5.030050450659402 mas/yr<br>Proper Motion Dec: -1.1092955276204322 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | Category=Calibration<br>Description=[Focus test]                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 77 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 77                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 77) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   | (Visit 77:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                 |
|                   | (26)                                                                                                         | 2MASS-21372931+1450350 | RA: 21 37 29.3217 (324.3721738d)<br>Dec: +14 50 35.07 (14.84308d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 5.030050450659402 mas/yr<br>Proper Motion Dec: -1.1092955276204322 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 78 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 78                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 78) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 78:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (26)                                                                                                         | 2MASS-21372931+1450350 | RA: 21 37 29.3217 (324.3721738d)<br>Dec: +14 50 35.07 (14.84308d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 5.030050450659402 mas/yr<br>Proper Motion Dec: -1.1092955276204322 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 79 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 79                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 79) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 79:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (27)                                                                                                         | 2MASS-21392468+2750195 | RA: 21 39 24.6640 (324.8527667d)<br>Dec: +27 50 19.18 (27.83866d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.643489920865527 mas/yr<br>Proper Motion Dec: -11.128621436628332 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 80 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 80                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 80) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 80:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (27)                                                                                                         | 2MASS-21392468+2750195 | RA: 21 39 24.6640 (324.8527667d)<br>Dec: +27 50 19.18 (27.83866d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.643489920865527 mas/yr<br>Proper Motion Dec: -11.128621436628332 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 81 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
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| Observation       | Proposal 12641, Observation 81                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 81) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | (Visit 81:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                 |
|                   | (27)                                                                                                         | 2MASS-21392468+2750195 | RA: 21 39 24.6640 (324.8527667d)<br>Dec: +27 50 19.18 (27.83866d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.643489920865527 mas/yr<br>Proper Motion Dec: -11.128621436628332 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 82 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 82                                                                                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                                                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Observation 82) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 82:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (28)                                                                                                                                                                                                         | 2MASS-21393004+4029034 | RA: 21 39 30.0365 (324.8751521d)<br>Dec: +40 29 3.30 (40.48425d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -6.488525406512644 mas/yr<br>Proper Motion Dec: -12.196751499894635 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Acquisition       | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | #                                                                                                                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
| Template          | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
|                   | Module                                                                                                                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
| Dithers           | A                                                                                                                                                                                                            | Both                   |                                                                                    |                 | PM8             |                                                                                                                           |                  | 0                  |                              |                     |                              |
|                   | #                                                                                                                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | 1                                                                                                                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
| Spectral Elements | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
|                   | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
| Spectral Elements | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 83 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 83                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 83) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              | (Visit 83:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                                              | (28)                                                                                                         | 2MASS-21393004+4029034 | RA: 21 39 30.0365 (324.8751521d)<br>Dec: +40 29 3.30 (40.48425d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -6.488525406512644 mas/yr<br>Proper Motion Dec: -12.196751499894635 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 84 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 84                                                                               |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 84) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              | (Visit 84:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                                              | (28)                                                                                                         | 2MASS-21393004+4029034 | RA: 21 39 30.0365 (324.8751521d)<br>Dec: +40 29 3.30 (40.48425d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -6.488525406512644 mas/yr<br>Proper Motion Dec: -12.196751499894635 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 85 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 85                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 85) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 85:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (29)                                                                                                         | 2MASS-21501740-3724507 | RA: 21 50 17.4236 (327.5725983d)<br>Dec: -37 24 50.99 (-37.41416d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 14.891482720701324 mas/yr<br>Proper Motion Dec: -8.779178610892082 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 86 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 86                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 86) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 86:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (29)                                                                                                         | 2MASS-21501740-3724507 | RA: 21 50 17.4236 (327.5725983d)<br>Dec: -37 24 50.99 (-37.41416d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 14.891482720701324 mas/yr<br>Proper Motion Dec: -8.779178610892082 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 87 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                  |                 |                 |                                              |                  |                              |                     |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------|-----------------|-----------------|----------------------------------------------|------------------|------------------------------|---------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 87                                                                               |                        |                                  |                 |                 |                                              |                  |                              |                     |                     |                 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                  |                 |                 |                                              |                  |                              |                     |                     |                 |
| Diagnostics       | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                  |                 |                 |                                              |                  |                              |                     |                     |                 |
|                   | (Observation 87) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                  |                 |                 |                                              |                  |                              |                     |                     |                 |
| Fixed Targets     | (Visit 87:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                  |                 |                 |                                              |                  |                              |                     |                     |                 |
|                   | #                                                                                                            | Name                   | Target Coordinates               |                 |                 | Targ. Coord. Corrections                     |                  | Miscellaneous                |                     |                     |                 |
| Acquisition       | (29)                                                                                                         | 2MASS-21501740-3724507 | RA: 21 50 17.4236 (327.5725983d) |                 |                 | Proper Motion RA: 14.891482720701324 mas/yr  |                  |                              |                     |                     |                 |
|                   |                                                                                                              |                        | Dec: -37 24 50.99 (-37.41416d)   |                 |                 | Proper Motion Dec: -8.779178610892082 mas/yr |                  |                              |                     |                     |                 |
| Template          |                                                                                                              |                        | Equinox: J2000                   |                 |                 | Epoch of Position: 2015.5                    |                  |                              |                     |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                  |                 |                 |                                              |                  |                              |                     |                     |                 |
| Dithers           | #                                                                                                            | Target                 | Subarray                         | Filter          | Readout Pattern | Groups/Int                                   | Integrations/Exp | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                        | F212N           | RAPID           | 3                                            | 1                | 1                            | 0.203               |                     |                 |
| Spectral Elements | Module                                                                                                       |                        | Sensing type                     |                 |                 | Diversity                                    |                  | Expected No. of WFC Commands |                     |                     |                 |
|                   | A                                                                                                            |                        | Both                             |                 |                 | PM8                                          |                  | 0                            |                     |                     |                 |
| Spectral Elements | #                                                                                                            |                        |                                  |                 |                 | Primary Dither Type                          |                  |                              |                     |                     |                 |
|                   | 1                                                                                                            |                        |                                  |                 |                 | NONE                                         |                  |                              |                     |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                     | Readout Pattern | Groups/Int      | Integrations/Exp                             | Exposures        | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                            | RAPID           | 72              | 750                                          | 1                | 750                          | 120.57              |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                     | Long Pupil      | Long Filter     | Readout Pattern                              | Groups/Int       | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                            | CLEAR           | F356W           | RAPID                                        | 4                | 2                            | 2                   | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                            | CLEAR           | F356W           | RAPID                                        | 4                | 2                            | 2                   | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 88 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 88                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 88) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | (Visit 88:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                              | (30)                                                                                                         | 2MASS-21543208-0103401 | RA: 21 54 32.0796 (328.6336650d)<br>Dec: -01 03 40.25 (-1.06118d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -4.378120090823936 mas/yr<br>Proper Motion Dec: -9.261945260013343 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | Category=Calibration<br>Description=[Focus test]                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 89 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                              |                     |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|---------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 89                                                                                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                              |                     |                     |                 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                              |                     |                     |                 |
| Diagnostics       | (Observation 89) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 89:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                              |                     |                     |                 |
| Fixed Targets     | #                                                                                                                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  | Miscellaneous                |                     |                     |                 |
|                   | (30)                                                                                                                                                                                                         | 2MASS-21543208-0103401 | RA: 21 54 32.0796 (328.6336650d)<br>Dec: -01 03 40.25 (-1.06118d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -4.378120090823936 mas/yr<br>Proper Motion Dec: -9.261945260013343 mas/yr<br>Epoch of Position: 2015.5 |                  |                              |                     |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                              |                     |                     |                 |
| Acquisition       | #                                                                                                                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                            | 0.203               |                     |                 |
| Template          | Module                                                                                                                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  | Expected No. of WFC Commands |                     |                     |                 |
|                   | A                                                                                                                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  | 0                            |                     |                     |                 |
| Dithers           | #                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                              |                     |                     |                 |
|                   | 1                                                                                                                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                              |                     |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations           | Total Exposure Time | Optional ETC ID     |                 |
|                   | 1                                                                                                                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                          | 120.57              |                     |                 |
| Spectral Elements | #                                                                                                                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp             | Total Integrations  | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                            | 2                   | 96.631              |                 |
|                   | 2                                                                                                                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                            | 2                   | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 90 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                  | Proposal 12641, Observation 90                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                              | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics                                  | (Observation 90) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | (Visit 90:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets                                | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                                              | (30)                                                                                                         | 2MASS-21543208-0103401 | RA: 21 54 32.0796 (328.6336650d)<br>Dec: -01 03 40.25 (-1.06118d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -4.378120090823936 mas/yr<br>Proper Motion Dec: -9.261945260013343 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                              | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition                                  | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                                     | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                              | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                                      | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                                              | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements                            | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                              | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                            | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                              | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                                              | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 91 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 91                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 91) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 91:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (31)                                                                                                         | 2MASS-21593602-1922431 | RA: 21 59 36.0239 (329.9000996d)<br>Dec: -19 22 43.36 (-19.37871d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.9258684531379002 mas/yr<br>Proper Motion Dec: -12.910923260887298 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 92 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 92                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 92) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 92:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (31)                                                                                                         | 2MASS-21593602-1922431 | RA: 21 59 36.0239 (329.9000996d)<br>Dec: -19 22 43.36 (-19.37871d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.9258684531379002 mas/yr<br>Proper Motion Dec: -12.910923260887298 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 93 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|-----------------|
| Observation       | Proposal 12641, Observation 93                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | Diagnostic Status: Warning<br>Observing Template: WFSC NIRCcam Fine Phasing                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Diagnostics       | (Observation 93) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
|                   | (Visit 93:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                 |
|                   | (31)                                                                                                         | 2MASS-21593602-1922431 | RA: 21 59 36.0239 (329.9000996d)<br>Dec: -19 22 43.36 (-19.37871d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.9258684531379002 mas/yr<br>Proper Motion Dec: -12.910923260887298 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                 |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                 |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                 |
| Template          | Module                                                                                                       |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                 |
|                   | A                                                                                                            |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                 |
| Dithers           | #                                                                                                            |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                 |
|                   | 1                                                                                                            |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                 |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                 |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                 |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                 |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                 |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 94 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 94                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 94) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 94:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (32)                                                                                                         | 2MASS-22104517+0909499 | RA: 22 10 45.1712 (332.6882133d)<br>Dec: +09 09 49.69 (9.16380d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.729946520531737 mas/yr<br>Proper Motion Dec: -8.904991141162013 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                         |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 95 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 95                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 95) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 95:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (32)                                                                                                         | 2MASS-22104517+0909499 | RA: 22 10 45.1712 (332.6882133d)<br>Dec: +09 09 49.69 (9.16380d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.729946520531737 mas/yr<br>Proper Motion Dec: -8.904991141162013 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 96 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 96                                                                               |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 96) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 96:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (32)                                                                                                         | 2MASS-22104517+0909499 | RA: 22 10 45.1712 (332.6882133d)<br>Dec: +09 09 49.69 (9.16380d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.729946520531737 mas/yr<br>Proper Motion Dec: -8.904991141162013 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                               |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            | NONE                   |                                                                                    |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 97 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                               |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                   | Proposal 12641, Observation 97                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                               | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics                                   | (Observation 97) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                               | (Visit 97:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets                                 | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                                               | (33)                                                                                                         | 2MASS-22155691+7054418 | RA: 22 15 56.9476 (333.9872817d)<br>Dec: +70 54 42.09 (70.91169d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 6.845496318184566 mas/yr<br>Proper Motion Dec: 2.246525242427411 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                                               | Comments:                                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                               | Category=Calibration<br>Description=[Focus test]                                                             |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition                                   | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template                                      | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                               | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers                                       | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                               | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements                             | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                               | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                             | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                               | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                                               | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 98 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 98                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 98) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 98:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (33)                                                                                                         | 2MASS-22155691+7054418 | RA: 22 15 56.9476 (333.9872817d)<br>Dec: +70 54 42.09 (70.91169d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 6.845496318184566 mas/yr<br>Proper Motion Dec: 2.246525242427411 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                            |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                    |                  |                    |                              |                     |                              |
|                   | 1                                                                                                            |                        |                                                                                     |                 |                 | NONE                                                                                                                   |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 99 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 99                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing                 |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 99) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                                               | (Visit 99:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                            | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (33)                                                                                                         | 2MASS-22155691+7054418 | RA: 22 15 56.9476 (333.9872817d)<br>Dec: +70 54 42.09 (70.91169d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 6.845496318184566 mas/yr<br>Proper Motion Dec: 2.246525242427411 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                            | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                       |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                            |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                            | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                            | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                            | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                            | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                            | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                            | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 100 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 100                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 100) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 100:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (34)                                                                                                                                                                                                           | 2MASS-22161148-2615332 | RA: 22 16 11.4830 (334.0478458d)<br>Dec: -26 15 32.84 (-26.25912d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 18.884998175843016 mas/yr<br>Proper Motion Dec: -1.0190066763114265 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 100 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 101 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------|-----------------|-----------------|-----------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 101                                                                               |                        |                                  |                 |                 |                                               |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 101) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
|                   | (Visit 101:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates               |                 |                 | Targ. Coord. Corrections                      |                  |                    | Miscellaneous                |                     |                              |
|                   | (34)                                                                                                          | 2MASS-22161148-2615332 | RA: 22 16 11.4830 (334.0478458d) |                 |                 | Proper Motion RA: 18.884998175843016 mas/yr   |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        | Dec: -26 15 32.84 (-26.25912d)   |                 |                 | Proper Motion Dec: -1.0190066763114265 mas/yr |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        | Equinox: J2000                   |                 |                 | Epoch of Position: 2015.5                     |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                         | Filter          | Readout Pattern | Groups/Int                                    | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                        | F212N           | RAPID           | 3                                             | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                     |                 |                 | Diversity                                     |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                             |                 |                 | PM8                                           |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                  |                 |                 |                                               |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                     | Readout Pattern | Groups/Int      | Integrations/Exp                              | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                            | RAPID           | 72              | 750                                           | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                     | Long Pupil      | Long Filter     | Readout Pattern                               | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                            | CLEAR           | F356W           | RAPID                                         | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                            | CLEAR           | F356W           | RAPID                                         | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 101 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 102 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 102                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 102) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 102:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (34)                                                                                                                                                                                                           | 2MASS-22161148-2615332 | RA: 22 16 11.4830 (334.0478458d)<br>Dec: -26 15 32.84 (-26.25912d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 18.884998175843016 mas/yr<br>Proper Motion Dec: -1.0190066763114265 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 102 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 103 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 103                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 103) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 103:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (35)                                                                                                                                                                                                           | 2MASS-22171773-4444346 | RA: 22 17 17.7369 (334.3239037d)<br>Dec: -44 44 34.57 (-44.74294d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 1.1460090841755868 mas/yr<br>Proper Motion Dec: 4.540389130953181 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                     |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | NONE                                                                                                                    |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 104 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 104                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 104) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 104:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (35)                                                                                                                                                                                                           | 2MASS-22171773-4444346 | RA: 22 17 17.7369 (334.3239037d)<br>Dec: -44 44 34.57 (-44.74294d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 1.1460090841755868 mas/yr<br>Proper Motion Dec: 4.540389130953181 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                     |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | NONE                                                                                                                    |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 105 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 105                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 105) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 105:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (35)                                                                                                          | 2MASS-22171773-4444346 | RA: 22 17 17.7369 (334.3239037d)<br>Dec: -44 44 34.57 (-44.74294d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 1.1460090841755868 mas/yr<br>Proper Motion Dec: 4.540389130953181 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 106 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 106                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 106) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 106:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (36)                                                                                                          | 2MASS-22185258+2137212 | RA: 22 18 52.5995 (334.7191646d)<br>Dec: +21 37 20.87 (21.62246d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 12.486413135742572 mas/yr<br>Proper Motion Dec: -18.840580441625512 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 107 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 107                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 107) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 107:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (36)                                                                                                                                                                                                           | 2MASS-22185258+2137212 | RA: 22 18 52.5995 (334.7191646d)<br>Dec: +21 37 20.87 (21.62246d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 12.486413135742572 mas/yr<br>Proper Motion Dec: -18.840580441625512 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 107 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 108 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 108                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCam Fine Phasing                  |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 108) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                                               | (Visit 108:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (36)                                                                                                          | 2MASS-22185258+2137212 | RA: 22 18 52.5995 (334.7191646d)<br>Dec: +21 37 20.87 (21.62246d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 12.486413135742572 mas/yr<br>Proper Motion Dec: -18.840580441625512 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 108 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 109 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 109                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 109) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 109:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (37)                                                                                                          | 2MASS-22195872+3436283 | RA: 22 19 58.7304 (334.9947100d)<br>Dec: +34 36 28.36 (34.60788d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.522783205925259 mas/yr<br>Proper Motion Dec: -2.8959808307769928 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 110 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 110                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 110) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 110:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (37)                                                                                                          | 2MASS-22195872+3436283 | RA: 22 19 58.7304 (334.9947100d)<br>Dec: +34 36 28.36 (34.60788d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.522783205925259 mas/yr<br>Proper Motion Dec: -2.8959808307769928 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 111 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 111                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 111) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 111:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (37)                                                                                                          | 2MASS-22195872+3436283 | RA: 22 19 58.7304 (334.9947100d)<br>Dec: +34 36 28.36 (34.60788d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 0.522783205925259 mas/yr<br>Proper Motion Dec: -2.8959808307769928 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 112 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 112                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 112) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 112:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                           |                  |                    | Miscellaneous                |                     |                              |
|                   | (38)                                                                                                                                                                                                           | 2MASS-22191322-0551380 | RA: 22 19 13.2218 (334.8050908d)<br>Dec: -05 51 38.03 (-5.86056d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -5.129578723 mas/yr<br>Proper Motion Dec: 0.9346675301629044 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                         | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                  | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                          |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                               |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                   | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                    | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                              | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                              | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 113 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 113                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 113) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 113:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                           |                  |                    | Miscellaneous                |                     |                              |
|                   | (38)                                                                                                                                                                                                           | 2MASS-22191322-0551380 | RA: 22 19 13.2218 (334.8050908d)<br>Dec: -05 51 38.03 (-5.86056d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -5.129578723 mas/yr<br>Proper Motion Dec: 0.9346675301629044 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                         | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                  | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                          |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                               |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                   | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                    | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                              | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                              | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 114 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 114                                                                               |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing                 |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 114) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
|                                                               | (Visit 114:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                           |                  |                    | Miscellaneous                |                     |                              |
|                                                               | (38)                                                                                                          | 2MASS-22191322-0551380 | RA: 22 19 13.2218 (334.8050908d)<br>Dec: -05 51 38.03 (-5.86056d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -5.129578723 mas/yr<br>Proper Motion Dec: 0.9346675301629044 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                         | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                  | 1                | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                          |                  |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                |                  |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
|                                                               | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                    |                  |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                   | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                    | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                              | 4                | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                              | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 114 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 115 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 115                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 115) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 115:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (39)                                                                                                          | 2MASS-22300415-5331411 | RA: 22 30 4.1692 (337.5173717d)<br>Dec: -53 31 41.21 (-53.52811d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.856314542202176 mas/yr<br>Proper Motion Dec: 5.995139437989543 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 116 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 116                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 116) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 116:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (39)                                                                                                          | 2MASS-22300415-5331411 | RA: 22 30 4.1692 (337.5173717d)<br>Dec: -53 31 41.21 (-53.52811d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.856314542202176 mas/yr<br>Proper Motion Dec: 5.995139437989543 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                          |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                      |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 117 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 117                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 117) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 117:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (39)                                                                                                          | 2MASS-22300415-5331411 | RA: 22 30 4.1692 (337.5173717d)<br>Dec: -53 31 41.21 (-53.52811d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.856314542202176 mas/yr<br>Proper Motion Dec: 5.995139437989543 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 117 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 118 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 118                                                                                                                                                                                |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 118) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 118:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (40)                                                                                                                                                                                                           | 2MASS-22350537+0306126 | RA: 22 35 5.3832 (338.7724300d)<br>Dec: +03 06 12.53 (3.10348d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.72178574446263 mas/yr<br>Proper Motion Dec: -2.65620016149768 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                              |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              | Primary Dither Type    |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              | NONE                   |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 119 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 119                                                                               |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 119) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | (Visit 119:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (40)                                                                                                          | 2MASS-22350537+0306126 | RA: 22 35 5.3832 (338.7724300d)<br>Dec: +03 06 12.53 (3.10348d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.72178574446263 mas/yr<br>Proper Motion Dec: -2.65620016149768 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 120 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|--------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation              | Proposal 12641, Observation 120                                                                               |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 120) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                          | (Visit 120:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                          | (40)                                                                                                          | 2MASS-22350537+0306126 | RA: 22 35 5.3832 (338.7724300d)<br>Dec: +03 06 12.53 (3.10348d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.72178574446263 mas/yr<br>Proper Motion Dec: -2.65620016149768 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                          |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                             |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                   |                  |                    |                              |                     |                              |
|                          | 1                                                                                                             |                        |                                                                                   |                 |                 | NONE                                                                                                                  |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 121 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 121                                                                               |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 121) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | (Visit 121:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (41)                                                                                                          | 2MASS-22364765+4537330 | RA: 22 36 47.6480 (339.1985333d)<br>Dec: +45 37 32.97 (45.62582d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -0.2633810270449295 mas/yr<br>Proper Motion Dec: -1.9816827189137767 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 122 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 122                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                                                   |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 122) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 122:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (41)                                                                                                                                                                                                           | 2MASS-22364765+4537330 | RA: 22 36 47.6480 (339.1985333d)<br>Dec: +45 37 32.97 (45.62582d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -0.2633810270449295 mas/yr<br>Proper Motion Dec: -1.9816827189137767 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              | NONE                   |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 122 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 123 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 123                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 123) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 123:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (41)                                                                                                                                                                                                           | 2MASS-22364765+4537330 | RA: 22 36 47.6480 (339.1985333d)<br>Dec: +45 37 32.97 (45.62582d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -0.2633810270449295 mas/yr<br>Proper Motion Dec: -1.9816827189137767 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 124 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 124                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Diagnostics       | (Observation 124) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|                   | (Visit 124:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                     |                    | Miscellaneous                |                     |                              |
|                   | (42)                                                                                                          | 2MASS-22470834-3520108 | RA: 22 47 8.3652 (341.7848550d)<br>Dec: -35 20 10.80 (-35.33633d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 21.635669773002938 mas/yr<br>Proper Motion Dec: 0.12028492473565645 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                   | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                     |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                     |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                           | Primary Dither Type |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                           | NONE                |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 125 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 125                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Diagnostics       | (Observation 125) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|                   | (Visit 125:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                     |                    | Miscellaneous                |                     |                              |
|                   | (42)                                                                                                          | 2MASS-22470834-3520108 | RA: 22 47 8.3652 (341.7848550d)<br>Dec: -35 20 10.80 (-35.33633d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 21.635669773002938 mas/yr<br>Proper Motion Dec: 0.12028492473565645 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                   | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                     |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                     |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                           | Primary Dither Type |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                           | NONE                |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 125 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 126 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 126                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 126) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 126:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (42)                                                                                                          | 2MASS-22470834-3520108 | RA: 22 47 8.3652 (341.7848550d)<br>Dec: -35 20 10.80 (-35.33633d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 21.635669773002938 mas/yr<br>Proper Motion Dec: 0.12028492473565645 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 126 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 127 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 127                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 127) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 127:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (43)                                                                                                          | 2MASS-22524184-1532366 | RA: 22 52 41.8745 (343.1744771d)<br>Dec: -15 32 36.70 (-15.54353d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 25.6900982502171 mas/yr<br>Proper Motion Dec: 0.0460321065799839 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 127 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 128 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 128                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 128) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 128:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (43)                                                                                                          | 2MASS-22524184-1532366 | RA: 22 52 41.8745 (343.1744771d)<br>Dec: -15 32 36.70 (-15.54353d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 25.6900982502171 mas/yr<br>Proper Motion Dec: 0.0460321065799839 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                    |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                   |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 128 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 129 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 129                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 129) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 129:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (43)                                                                                                          | 2MASS-22524184-1532366 | RA: 22 52 41.8745 (343.1744771d)<br>Dec: -15 32 36.70 (-15.54353d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 25.6900982502171 mas/yr<br>Proper Motion Dec: 0.0460321065799839 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 130 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 130                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 130) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 130:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (44)                                                                                                                                                                                                           | 2MASS-22544264+1452525 | RA: 22 54 42.6536 (343.6777233d)<br>Dec: +14 52 52.51 (14.88125d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.7586402258436924 mas/yr<br>Proper Motion Dec: -3.106133817276587 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 131 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 131                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 131) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 131:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (44)                                                                                                          | 2MASS-22544264+1452525 | RA: 22 54 42.6536 (343.6777233d)<br>Dec: +14 52 52.51 (14.88125d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.7586402258436924 mas/yr<br>Proper Motion Dec: -3.106133817276587 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                          |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | Description=[Focus test]                                                                                      |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Primary Dither Type          |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | NONE                         |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 132 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                     |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 132                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                          |                     |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                     |                    |                              |                     |                              |
| Diagnostics       | (Observation 132) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 132:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                          |                     |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                     |                    | Miscellaneous                |                     |                              |
|                   | (44)                                                                                                                                                                                                           | 2MASS-22544264+1452525 | RA: 22 54 42.6536 (343.6777233d)<br>Dec: +14 52 52.51 (14.88125d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 2.7586402258436924 mas/yr<br>Proper Motion Dec: -3.106133817276587 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                     |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                   | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                     |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                     |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          | Primary Dither Type |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                          | NONE                |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                   | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                   | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 133 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 133                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 133) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | (Visit 133:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (45)                                                                                                          | 2MASS-22564332-0331371 | RA: 22 56 43.3531 (344.1806379d)<br>Dec: -03 31 37.63 (-3.52712d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 29.0487405926649 mas/yr<br>Proper Motion Dec: -27.2576244520062 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                   |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                  |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 133 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 134 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 134                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 134) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 134:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                              |                  |                    | Miscellaneous                |                     |                              |
|                   | (45)                                                                                                                                                                                                           | 2MASS-22564332-0331371 | RA: 22 56 43.3531 (344.1806379d)<br>Dec: -03 31 37.63 (-3.52712d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 29.0487405926649 mas/yr<br>Proper Motion Dec: -27.2576244520062 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                       |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                     | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                             |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                   |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                   |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                  |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                   | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 135 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                     |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 135                                                                               |                        |                                                                                     |                 |                 |                                                                                                                       |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                       |                     |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                       |                     |                    |                              |                     |                              |
| Diagnostics       | (Observation 135) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                       |                     |                    |                              |                     |                              |
|                   | (Visit 135:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                       |                     |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                              |                     |                    | Miscellaneous                |                     |                              |
|                   | (45)                                                                                                          | 2MASS-22564332-0331371 | RA: 22 56 43.3531 (344.1806379d)<br>Dec: -03 31 37.63 (-3.52712d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 29.0487405926649 mas/yr<br>Proper Motion Dec: -27.2576244520062 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                       |                     |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                            | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                     | 1                   | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                             |                     |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                   |                     |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                       | Primary Dither Type |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 |                                                                                                                       | NONE                |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                      | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                   | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                       | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                   | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                 | 4                   | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 136 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 136                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 136) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 136:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (46)                                                                                                          | 2MASS-22580747+2728064 | RA: 22 58 7.4693 (344.5311221d)<br>Dec: +27 28 6.40 (27.46844d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.024870076367411 mas/yr<br>Proper Motion Dec: -7.421418737611372 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                   |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| <b>Special Requirements</b> | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 137 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 137                                                                                                                                                                                |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                                                                                                                   |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 137) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 137:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (46)                                                                                                                                                                                                           | 2MASS-22580747+2728064 | RA: 22 58 7.4693 (344.5311221d)<br>Dec: +27 28 6.40 (27.46844d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.024870076367411 mas/yr<br>Proper Motion Dec: -7.421418737611372 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                              |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                   |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 138 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 138                                                                               |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 138) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 138:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (46)                                                                                                          | 2MASS-22580747+2728064 | RA: 22 58 7.4693 (344.5311221d)<br>Dec: +27 28 6.40 (27.46844d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -7.024870076367411 mas/yr<br>Proper Motion Dec: -7.421418737611372 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                   |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                   |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 139 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 139                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 139) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 139:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (47)                                                                                                          | 2MASS-22593534-6040437 | RA: 22 59 35.4779 (344.8978246d)<br>Dec: -60 40 43.41 (-60.67872d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 65.20487734784207 mas/yr<br>Proper Motion Dec: 20.355052435392793 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 140 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation              | Proposal 12641, Observation 140                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 140) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | (Visit 140:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                          | (47)                                                                                                          | 2MASS-22593534-6040437 | RA: 22 59 35.4779 (344.8978246d)<br>Dec: -60 40 43.41 (-60.67872d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 65.20487734784207 mas/yr<br>Proper Motion Dec: 20.355052435392793 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                          |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 141 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 141                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | Observing Template: WFSC NIRCам Fine Phasing                                                                                                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Observation 141) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 141:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (47)                                                                                                                                                                                                           | 2MASS-22593534-6040437 | RA: 22 59 35.4779 (344.8978246d)<br>Dec: -60 40 43.41 (-60.67872d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 65.20487734784207 mas/yr<br>Proper Motion Dec: 20.355052435392793 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              | NONE                   |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 142 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 142                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 142) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 142:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (48)                                                                                                          | 2MASS-23083870-4412133 | RA: 23 08 38.7451 (347.1614379d)<br>Dec: -44 12 13.63 (-44.20379d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 21.547847494961065 mas/yr<br>Proper Motion Dec: -11.920267039735352 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 142 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 143 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 143                                                                               |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 143) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 143:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (48)                                                                                                          | 2MASS-23083870-4412133 | RA: 23 08 38.7451 (347.1614379d)<br>Dec: -44 12 13.63 (-44.20379d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 21.547847494961065 mas/yr<br>Proper Motion Dec: -11.920267039735352 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 143 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 144 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 144                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 144) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 144:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (48)                                                                                                                                                                                                           | 2MASS-23083870-4412133 | RA: 23 08 38.7451 (347.1614379d)<br>Dec: -44 12 13.63 (-44.20379d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 21.547847494961065 mas/yr<br>Proper Motion Dec: -11.920267039735352 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              | NONE                   |                                                                                      |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 145 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation                                                   | Proposal 12641, Observation 145                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                                                               | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Observing Template: WFSC NIRCcam Fine Phasing                 |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Diagnostics                                                   | (Observation 145) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 145:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Fixed Targets                                                 | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                     |                    | Miscellaneous                |                     |                              |
|                                                               | (49)                                                                                                                                                                                                           | 2MASS-23143248+5258253 | RA: 23 14 32.4735 (348.6353062d)<br>Dec: +52 58 25.32 (52.97370d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -3.033855335861798 mas/yr<br>Proper Motion Dec: -2.7766172943189447 mas/yr<br>Epoch of Position: 2015.5 |                     |                    |                              |                     |                              |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                     |                    |                              |                     |                              |
| Acquisition                                                   | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp    | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                   | 1                  | 0.203                        |                     |                              |
| Template                                                      | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                     |                    | Expected No. of WFC Commands |                     |                              |
|                                                               | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                     |                    | 0                            |                     |                              |
| Dithers                                                       | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           | Primary Dither Type |                    |                              |                     |                              |
|                                                               | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 |                                                                                                                           | NONE                |                    |                              |                     |                              |
| Spectral Elements                                             | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures           | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                                                               | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                   | 750                | 120.57                       |                     |                              |
| Spectral Elements                                             | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int          | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                                                               | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |
|                                                               | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                   | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 145 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 146 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 146                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 146) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 146:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (49)                                                                                                          | 2MASS-23143248+5258253 | RA: 23 14 32.4735 (348.6353062d)<br>Dec: +52 58 25.32 (52.97370d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -3.033855335861798 mas/yr<br>Proper Motion Dec: -2.7766172943189447 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 146 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 147 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 147                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 147) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 147:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (49)                                                                                                                                                                                                           | 2MASS-23143248+5258253 | RA: 23 14 32.4735 (348.6353062d)<br>Dec: +52 58 25.32 (52.97370d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -3.033855335861798 mas/yr<br>Proper Motion Dec: -2.7766172943189447 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 148 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 148                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 148) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 148:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (50)                                                                                                          | 2MASS-23145656-2207328 | RA: 23 14 56.5739 (348.7357246d)<br>Dec: -22 07 32.92 (-22.12581d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.112394581735614 mas/yr<br>Proper Motion Dec: 8.537818394334154 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                    |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                   |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 149 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 149                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 149) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | (Visit 149:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (50)                                                                                                          | 2MASS-23145656-2207328 | RA: 23 14 56.5739 (348.7357246d)<br>Dec: -22 07 32.92 (-22.12581d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.112394581735614 mas/yr<br>Proper Motion Dec: 8.537818394334154 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 150 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 150                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 150) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 150:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                               |                  |                    | Miscellaneous                |                     |                              |
|                   | (50)                                                                                                                                                                                                           | 2MASS-23145656-2207328 | RA: 23 14 56.5739 (348.7357246d)<br>Dec: -22 07 32.92 (-22.12581d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 7.112394581735614 mas/yr<br>Proper Motion Dec: 8.537818394334154 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                        |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                             | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                      | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                              |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                    |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                    |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | NONE                                                                                                                   |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                       | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                    | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                        | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                  | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 150 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 151 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 151                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 151) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 151:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (51)                                                                                                                                                                                                           | 2MASS-23172056+3921004 | RA: 23 17 20.5538 (349.3356408d)<br>Dec: +39 21 0.26 (39.35007d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.8304948858928785 mas/yr<br>Proper Motion Dec: -3.0492170511193315 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                               |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | NONE                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 151 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 152 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 152                                                                               |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 152) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | (Visit 152:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (51)                                                                                                          | 2MASS-23172056+3921004 | RA: 23 17 20.5538 (349.3356408d)<br>Dec: +39 21 0.26 (39.35007d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.8304948858928785 mas/yr<br>Proper Motion Dec: -3.0492170511193315 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                               |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 152 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 153 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 153                                                                               |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 153) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
|                   | (Visit 153:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                   |                  |                    | Miscellaneous                |                     |                              |
|                   | (51)                                                                                                          | 2MASS-23172056+3921004 | RA: 23 17 20.5538 (349.3356408d)<br>Dec: +39 21 0.26 (39.35007d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.8304948858928785 mas/yr<br>Proper Motion Dec: -3.0492170511193315 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                    |                 |                 |                                                                                                                            |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                                 | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                          | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                  |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                               |                 |                 | PM8                                                                                                                        |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                        |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                    |                 |                 | NONE                                                                                                                       |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                           | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                        | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                            | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                      | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 154 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 154                                                                               |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 154) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 154:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (52)                                                                                                          | 2MASS-23181840+0750062 | RA: 23 18 18.4491 (349.5768713d)<br>Dec: +07 50 6.77 (7.83521d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 49.41346993910934 mas/yr<br>Proper Motion Dec: 26.241273090872614 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                          |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                      |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 154 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 155 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|--------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation              | Proposal 12641, Observation 155                                                                               |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 155) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | (Visit 155:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                          | (52)                                                                                                          | 2MASS-23181840+0750062 | RA: 23 18 18.4491 (349.5768713d)<br>Dec: +07 50 6.77 (7.83521d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 49.41346993910934 mas/yr<br>Proper Motion Dec: 26.241273090872614 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                          |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                             | Primary Dither Type    |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                          | 1                                                                                                             | NONE                   |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 156 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 156                                                                                                                                                                                |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 156) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 156:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (52)                                                                                                                                                                                                           | 2MASS-23181840+0750062 | RA: 23 18 18.4491 (349.5768713d)<br>Dec: +07 50 6.77 (7.83521d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 49.41346993910934 mas/yr<br>Proper Motion Dec: 26.241273090872614 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                   |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                              |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                     |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                   |                 |                 | NONE                                                                                                                    |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 157 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 157                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 157) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 157:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (53)                                                                                                                                                                                                           | 2MASS-23264182-7026165 | RA: 23 26 41.9902 (351.6749592d)<br>Dec: -70 26 16.69 (-70.43797d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 55.399195932874854 mas/yr<br>Proper Motion Dec: -6.674127995419367 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              | NONE                   |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 158 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 158                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 158) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 158:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (53)                                                                                                          | 2MASS-23264182-7026165 | RA: 23 26 41.9902 (351.6749592d)<br>Dec: -70 26 16.69 (-70.43797d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 55.399195932874854 mas/yr<br>Proper Motion Dec: -6.674127995419367 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 159 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 159                                                                               |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 159) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 159:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (53)                                                                                                          | 2MASS-23264182-7026165 | RA: 23 26 41.9902 (351.6749592d)<br>Dec: -70 26 16.69 (-70.43797d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 55.399195932874854 mas/yr<br>Proper Motion Dec: -6.674127995419367 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 160 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 160                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Observation 160) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 160:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (54)                                                                                                                                                                                                           | 2MASS-23294241-1046064 | RA: 23 29 42.3870 (352.4266125d)<br>Dec: -10 46 6.35 (-10.76843d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -21.75135166535289 mas/yr<br>Proper Motion Dec: -3.3023142180845824 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
| Acquisition       | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
| Template          | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
|                   | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
| Dithers           | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
|                   | #                                                                                                                                                                                                              | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | 1                                                                                                                                                                                                              | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
| Spectral Elements | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
|                   | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
| Spectral Elements | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 161 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 161                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 161) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 161:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (54)                                                                                                          | 2MASS-23294241-1046064 | RA: 23 29 42.3870 (352.4266125d)<br>Dec: -10 46 6.35 (-10.76843d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -21.75135166535289 mas/yr<br>Proper Motion Dec: -3.3023142180845824 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Category=Calibration                                                                                          |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Description=[Focus test]                                                                                      |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 162 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|--------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation              | Proposal 12641, Observation 162                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 162) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                          | (Visit 162:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                          | (54)                                                                                                          | 2MASS-23294241-1046064 | RA: 23 29 42.3870 (352.4266125d)<br>Dec: -10 46 6.35 (-10.76843d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -21.75135166535289 mas/yr<br>Proper Motion Dec: -3.3023142180845824 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                          |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                          | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 163 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 163                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 163) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 163:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (55)                                                                                                          | 2MASS-23340664+2030422 | RA: 23 34 6.6460 (353.5276917d)<br>Dec: +20 30 41.82 (20.51162d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -5.567205076834004 mas/yr<br>Proper Motion Dec: -6.825812732734194 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                    |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 164 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 164                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 164) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 164:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (55)                                                                                                                                                                                                           | 2MASS-23340664+2030422 | RA: 23 34 6.6460 (353.5276917d)<br>Dec: +20 30 41.82 (20.51162d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -5.567205076834004 mas/yr<br>Proper Motion Dec: -6.825812732734194 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 164 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 165 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 165                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 165) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 165:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (55)                                                                                                          | 2MASS-23340664+2030422 | RA: 23 34 6.6460 (353.5276917d)<br>Dec: +20 30 41.82 (20.51162d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -5.567205076834004 mas/yr<br>Proper Motion Dec: -6.825812732734194 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 166 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 166                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 166) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | (Visit 166:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (56)                                                                                                          | 2MASS-23341942-3153303 | RA: 23 34 19.4204 (353.5809183d)<br>Dec: -31 53 30.38 (-31.89177d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.385137341105256 mas/yr<br>Proper Motion Dec: -5.721995816386821 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                     |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                    |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 166 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 167 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 167                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCам Fine Phasing                                                                                                                                                                   |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 167) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 167:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |
|                   | (56)                                                                                                                                                                                                           | 2MASS-23341942-3153303 | RA: 23 34 19.4204 (353.5809183d)<br>Dec: -31 53 30.38 (-31.89177d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.385137341105256 mas/yr<br>Proper Motion Dec: -5.721995816386821 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              | NONE                   |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 168 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |  |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|--|
| Observation                                                   | Proposal 12641, Observation 168                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |  |
|                                                               | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |  |
| Observing Template: WFSC NIRCcam Fine Phasing                 |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |  |
| Diagnostics                                                   | (Observation 168) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |  |
|                                                               | (Visit 168:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |  |
| Fixed Targets                                                 | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                                |                  |                    | Miscellaneous                |                     |                              |  |
|                                                               | (56)                                                                                                          | 2MASS-23341942-3153303 | RA: 23 34 19.4204 (353.5809183d)<br>Dec: -31 53 30.38 (-31.89177d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 8.385137341105256 mas/yr<br>Proper Motion Dec: -5.721995816386821 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                         |                  |                    |                              |                     |                              |  |
| Acquisition                                                   | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                              | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |  |
|                                                               | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                       | 1                | 1                  | 0.203                        |                     |                              |  |
| Template                                                      | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                               |                  |                    | Expected No. of WFC Commands |                     |                              |  |
|                                                               | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                     |                  |                    | 0                            |                     |                              |  |
| Dithers                                                       | #                                                                                                             |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                     |                  |                    |                              |                     |                              |  |
|                                                               | 1                                                                                                             |                        |                                                                                      |                 |                 | NONE                                                                                                                    |                  |                    |                              |                     |                              |  |
| Spectral Elements                                             | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                        | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |  |
|                                                               | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                     | 1                | 750                | 120.57                       |                     |                              |  |
| Spectral Elements                                             | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                         | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |  |
|                                                               | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |  |
|                                                               | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                   | 4                | 2                  | 2                            | 96.631              |                              |  |

Proposal 12641 - Observation 168 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 169 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|--------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation              | Proposal 12641, Observation 169                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 169) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                          | (Visit 169:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                          | (57)                                                                                                          | 2MASS-23371931-5156046 | RA: 23 37 19.3386 (354.3305775d)<br>Dec: -51 56 4.75 (-51.93465d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 20.526288006488592 mas/yr<br>Proper Motion Dec: -5.322266383569586 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                          |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                          | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 170 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 170                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 170) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 170:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (57)                                                                                                          | 2MASS-23371931-5156046 | RA: 23 37 19.3386 (354.3305775d)<br>Dec: -51 56 4.75 (-51.93465d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 20.526288006488592 mas/yr<br>Proper Motion Dec: -5.322266383569586 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| <b>Special Requirements</b> | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 171 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 171                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 171) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 171:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (57)                                                                                                                                                                                                           | 2MASS-23371931-5156046 | RA: 23 37 19.3386 (354.3305775d)<br>Dec: -51 56 4.75 (-51.93465d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 20.526288006488592 mas/yr<br>Proper Motion Dec: -5.322266383569586 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 172 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 172                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 172) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 172:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (58)                                                                                                          | 2MASS-23394817+3247396 | RA: 23 39 48.1543 (354.9506429d)<br>Dec: +32 47 39.68 (32.79436d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.9650722979677226 mas/yr<br>Proper Motion Dec: 3.4185248471590635 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 173 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 173                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 173) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 173:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (58)                                                                                                          | 2MASS-23394817+3247396 | RA: 23 39 48.1543 (354.9506429d)<br>Dec: +32 47 39.68 (32.79436d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.9650722979677226 mas/yr<br>Proper Motion Dec: 3.4185248471590635 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 174 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
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| Observation       | Proposal 12641, Observation 174                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 174) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 174:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (58)                                                                                                                                                                                                           | 2MASS-23394817+3247396 | RA: 23 39 48.1543 (354.9506429d)<br>Dec: +32 47 39.68 (32.79436d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -2.9650722979677226 mas/yr<br>Proper Motion Dec: 3.4185248471590635 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 175 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 175                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 175) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                   | (Visit 175:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                            |                  |                    | Miscellaneous                |                     |                              |
|                   | (59)                                                                                                          | 2MASS-23425655+0014229 | RA: 23 42 56.5911 (355.7357962d)<br>Dec: +00 14 23.42 (.23984d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 37.0132945462513 mas/yr<br>Proper Motion Dec: 24.064554679195 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                          | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                   | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                           |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                 |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                    | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                 | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                     | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                               | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                               | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 176 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                          |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
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| Observation              | Proposal 12641, Observation 176                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                          | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                          | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Diagnostics              | (Observation 176) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                          | (Visit 176:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Fixed Targets            | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                            |                  |                    | Miscellaneous                |                     |                              |
|                          | (59)                                                                                                          | 2MASS-23425655+0014229 | RA: 23 42 56.5911 (355.7357962d)<br>Dec: +00 14 23.42 (.23984d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 37.0132945462513 mas/yr<br>Proper Motion Dec: 24.064554679195 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                          | Comments:                                                                                                     |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                          | Category=Calibration                                                                                          |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Description=[Focus test] |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Acquisition              | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                          | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                   | 1                | 1                  | 0.203                        |                     |                              |
| Template                 | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                           |                  |                    | Expected No. of WFC Commands |                     |                              |
|                          | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                 |                  |                    | 0                            |                     |                              |
| Dithers                  | #                                                                                                             |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                 |                  |                    |                              |                     |                              |
|                          | 1                                                                                                             |                        |                                                                                   |                 |                 | NONE                                                                                                                |                  |                    |                              |                     |                              |
| Spectral Elements        | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                    | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                          | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                 | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements        | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                     | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                          | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                               | 4                | 2                  | 2                            | 96.631              |                              |
|                          | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                               | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 177 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 177                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 177) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                   | (Visit 177:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                |                 |                 | Targ. Coord. Corrections                                                                                            |                  |                    | Miscellaneous                |                     |                              |
|                   | (59)                                                                                                          | 2MASS-23425655+0014229 | RA: 23 42 56.5911 (355.7357962d)<br>Dec: +00 14 23.42 (.23984d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 37.0132945462513 mas/yr<br>Proper Motion Dec: 24.064554679195 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                   |                 |                 |                                                                                                                     |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                          | Filter          | Readout Pattern | Groups/Int                                                                                                          | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                         | F212N           | RAPID           | 3                                                                                                                   | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                      |                 |                 | Diversity                                                                                                           |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                              |                 |                 | PM8                                                                                                                 |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                   |                 |                 | Primary Dither Type                                                                                                 |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                   |                 |                 | NONE                                                                                                                |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                      | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                    | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                             | RAPID           | 72              | 750                                                                                                                 | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                      | Long Pupil      | Long Filter     | Readout Pattern                                                                                                     | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                               | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                             | CLEAR           | F356W           | RAPID                                                                                                               | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 178 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 178                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 178) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 178:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (60)                                                                                                                                                                                                           | 2MASS-23530068-3807005 | RA: 23 53 0.6973 (358.2529054d)<br>Dec: -38 07 0.28 (-38.11674d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 16.523539254227988 mas/yr<br>Proper Motion Dec: 12.820890045665475 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 179 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 179                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 179) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | (Visit 179:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |
|                   | (60)                                                                                                          | 2MASS-23530068-3807005 | RA: 23 53 0.6973 (358.2529054d)<br>Dec: -38 07 0.28 (-38.11674d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 16.523539254227988 mas/yr<br>Proper Motion Dec: 12.820890045665475 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 180 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                                                               |                                                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |  |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|--|
| Observation                                                   | Proposal 12641, Observation 180                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |  |
|                                                               | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |  |
| Observing Template: WFSC NIRCam Fine Phasing                  |                                                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |  |
| Diagnostics                                                   | (Observation 180) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 180:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |  |
| Fixed Targets                                                 | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                 |                 |                 | Targ. Coord. Corrections                                                                                                 |                  |                    | Miscellaneous                |                     |                              |  |
|                                                               | (60)                                                                                                                                                                                                           | 2MASS-23530068-3807005 | RA: 23 53 0.6973 (358.2529054d)<br>Dec: -38 07 0.28 (-38.11674d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 16.523539254227988 mas/yr<br>Proper Motion Dec: 12.820890045665475 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |  |
| Comments:<br>Category=Calibration<br>Description=[Focus test] |                                                                                                                                                                                                                |                        |                                                                                    |                 |                 |                                                                                                                          |                  |                    |                              |                     |                              |  |
| Acquisition                                                   | #                                                                                                                                                                                                              | Target                 | Subarray                                                                           | Filter          | Readout Pattern | Groups/Int                                                                                                               | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |  |
|                                                               | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                          | F212N           | RAPID           | 3                                                                                                                        | 1                | 1                  | 0.203                        |                     |                              |  |
| Template                                                      | Module                                                                                                                                                                                                         |                        | Sensing type                                                                       |                 |                 | Diversity                                                                                                                |                  |                    | Expected No. of WFC Commands |                     |                              |  |
|                                                               | A                                                                                                                                                                                                              |                        | Both                                                                               |                 |                 | PM8                                                                                                                      |                  |                    | 0                            |                     |                              |  |
| Dithers                                                       | #                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | Primary Dither Type                                                                                                      |                  |                    |                              |                     |                              |  |
|                                                               | 1                                                                                                                                                                                                              |                        |                                                                                    |                 |                 | NONE                                                                                                                     |                  |                    |                              |                     |                              |  |
| Spectral Elements                                             | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                       | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                         | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |  |
|                                                               | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                              | RAPID           | 72              | 750                                                                                                                      | 1                | 750                | 120.57                       |                     |                              |  |
| Spectral Elements                                             | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                       | Long Pupil      | Long Filter     | Readout Pattern                                                                                                          | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |  |
|                                                               | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |  |
|                                                               | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                              | CLEAR           | F356W           | RAPID                                                                                                                    | 4                | 2                  | 2                            | 96.631              |                              |  |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 181 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 181                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 181) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 181:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (61)                                                                                                          | 2MASS-23535271+1238211 | RA: 23 53 52.7199 (358.4696662d)<br>Dec: +12 38 20.73 (12.63909d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.837879517165237 mas/yr<br>Proper Motion Dec: -21.982356524915673 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 181 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 182 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 182                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 182) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 182:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (61)                                                                                                          | 2MASS-23535271+1238211 | RA: 23 53 52.7199 (358.4696662d)<br>Dec: +12 38 20.73 (12.63909d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.837879517165237 mas/yr<br>Proper Motion Dec: -21.982356524915673 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 182 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 183 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 183                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 183) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 183:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (61)                                                                                                          | 2MASS-23535271+1238211 | RA: 23 53 52.7199 (358.4696662d)<br>Dec: +12 38 20.73 (12.63909d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -1.837879517165237 mas/yr<br>Proper Motion Dec: -21.982356524915673 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 183 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 184 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 184                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCam Fine Phasing                                                                  |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 184) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | (Visit 184:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                             |                  |                    | Miscellaneous                |                     |                              |
|                   | (62)                                                                                                          | 2MASS-23545446-1907498 | RA: 23 54 54.4745 (358.7269771d)<br>Dec: -19 07 49.79 (-19.13050d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.51379792318595 mas/yr<br>Proper Motion Dec: 10.9145508373454 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                           | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                    | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                            |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                  |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                     | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                  | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                      | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 185 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 185                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCам Fine Phasing                                                                  |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 185) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | (Visit 185:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                             |                  |                    | Miscellaneous                |                     |                              |
|                   | (62)                                                                                                          | 2MASS-23545446-1907498 | RA: 23 54 54.4745 (358.7269771d)<br>Dec: -19 07 49.79 (-19.13050d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.51379792318595 mas/yr<br>Proper Motion Dec: 10.9145508373454 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                           | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                    | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                            |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                 |                 |                 | PM8                                                                                                                  |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                     | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                  | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                      | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 186 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 186                                                                                                                                                                                |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 186) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 186:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                   |                 |                 | Targ. Coord. Corrections                                                                                             |                  |                    | Miscellaneous                |                     |                              |
|                   | (62)                                                                                                                                                                                                           | 2MASS-23545446-1907498 | RA: 23 54 54.4745 (358.7269771d)<br>Dec: -19 07 49.79 (-19.13050d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: 3.51379792318595 mas/yr<br>Proper Motion Dec: 10.9145508373454 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                      |                 |                 |                                                                                                                      |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                             | Filter          | Readout Pattern | Groups/Int                                                                                                           | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                            | F212N           | RAPID           | 3                                                                                                                    | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                         |                 |                 | Diversity                                                                                                            |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                 |                 |                 | PM8                                                                                                                  |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | Primary Dither Type                                                                                                  |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                      |                 |                 | NONE                                                                                                                 |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                         | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                     | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                                | RAPID           | 72              | 750                                                                                                                  | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                         | Long Pupil      | Long Filter     | Readout Pattern                                                                                                      | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                                | CLEAR           | F356W           | RAPID                                                                                                                | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 187 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 187                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 187) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 187:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (63)                                                                                                          | 2MASS-23564631+4539449 | RA: 23 56 46.3030 (359.1929292d)<br>Dec: +45 39 44.99 (45.66250d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -4.776882552257666 mas/yr<br>Proper Motion Dec: -1.1355462330502215 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             | Primary Dither Type    |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             | NONE                   |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 187 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 188 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 188                                                                               |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                    |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 188) Warning (Form): Observers are responsible for checking that target acquisition is feasible. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | (Visit 188:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                             | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (63)                                                                                                          | 2MASS-23564631+4539449 | RA: 23 56 46.3030 (359.1929292d)<br>Dec: +45 39 44.99 (45.66250d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -4.776882552257666 mas/yr<br>Proper Motion Dec: -1.1355462330502215 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                 |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                             | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                        |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                             |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                             |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                             |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                             | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                             | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                             | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                             | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                             | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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# Proposal 12641 - Observation 189 - JWST Routine Wavefront Sensing and Control for Cycle 5

|                   |                                                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------|---------------------|------------------------------|
| Observation       | Proposal 12641, Observation 189                                                                                                                                                                                |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     | Fri May 08 15:00:22 GMT 2026 |
|                   | Diagnostic Status: Warning                                                                                                                                                                                     |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
|                   | Observing Template: WFSC NIRCcam Fine Phasing                                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Diagnostics       | (Observation 189) Warning (Form): Observers are responsible for checking that target acquisition is feasible.<br>(Visit 189:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Fixed Targets     | #                                                                                                                                                                                                              | Name                   | Target Coordinates                                                                  |                 |                 | Targ. Coord. Corrections                                                                                                  |                  |                    | Miscellaneous                |                     |                              |
|                   | (63)                                                                                                                                                                                                           | 2MASS-23564631+4539449 | RA: 23 56 46.3030 (359.1929292d)<br>Dec: +45 39 44.99 (45.66250d)<br>Equinox: J2000 |                 |                 | Proper Motion RA: -4.776882552257666 mas/yr<br>Proper Motion Dec: -1.1355462330502215 mas/yr<br>Epoch of Position: 2015.5 |                  |                    |                              |                     |                              |
|                   | Comments:<br>Category=Calibration<br>Description=[Focus test]                                                                                                                                                  |                        |                                                                                     |                 |                 |                                                                                                                           |                  |                    |                              |                     |                              |
| Acquisition       | #                                                                                                                                                                                                              | Target                 | Subarray                                                                            | Filter          | Readout Pattern | Groups/Int                                                                                                                | Integrations/Exp | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SAME                   | SUB64FP6A                                                                           | F212N           | RAPID           | 3                                                                                                                         | 1                | 1                  | 0.203                        |                     |                              |
| Template          | Module                                                                                                                                                                                                         |                        | Sensing type                                                                        |                 |                 | Diversity                                                                                                                 |                  |                    | Expected No. of WFC Commands |                     |                              |
|                   | A                                                                                                                                                                                                              |                        | Both                                                                                |                 |                 | PM8                                                                                                                       |                  |                    | 0                            |                     |                              |
| Dithers           | #                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | Primary Dither Type                                                                                                       |                  |                    |                              |                     |                              |
|                   | 1                                                                                                                                                                                                              |                        |                                                                                     |                 |                 | NONE                                                                                                                      |                  |                    |                              |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Subarray               | Short Filter                                                                        | Readout Pattern | Groups/Int      | Integrations/Exp                                                                                                          | Exposures        | Total Integrations | Total Exposure Time          | Optional ETC ID     |                              |
|                   | 1                                                                                                                                                                                                              | SUB8FP6A               | F212N                                                                               | RAPID           | 72              | 750                                                                                                                       | 1                | 750                | 120.57                       |                     |                              |
| Spectral Elements | #                                                                                                                                                                                                              | Short Pupil            | Short Filter                                                                        | Long Pupil      | Long Filter     | Readout Pattern                                                                                                           | Groups/Int       | Integrations/Exp   | Total Integrations           | Total Exposure Time | Optional ETC ID              |
|                   | 1                                                                                                                                                                                                              | WLM8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |
|                   | 2                                                                                                                                                                                                              | WLP8                   | F212N                                                                               | CLEAR           | F356W           | RAPID                                                                                                                     | 4                | 2                  | 2                            | 96.631              |                              |

Proposal 12641 - Observation 189 - JWST Routine Wavefront Sensing and Control for Cycle 5

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| Special Requirements | No Parallel Attachments<br>Wavefront Sensing ROUTINE<br>OTE Temperature Monitoring<br>DMS Priority ELEVATED |
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