



## 15278 - UV-Visible Imaging of the JWST NEP Time-Domain Field: the *\*best\** extragalactic survey field *\*always\** accessible to JWST

Cycle: 25, Proposal Category: GO

(Availability Mode: AVAILABLE)

### INVESTIGATORS

| <i>Name</i>                                     | <i>Institution</i>                                | <i>E-Mail</i>               |
|---|---|-----------------------------|
| <b>Dr. Rolf A. Jansen (PI) (Contact)</b>        | <b>Arizona State University</b>                   | <b>rolf.jansen@asu.edu</b>  |
| Dr. Seth H. Cohen (CoI)                         | Arizona State University                          | seth.cohen@asu.edu          |
| Dr. Christopher J. Conselice (CoI) (ESA Member) | University of Nottingham                          | conselice@nottingham.ac.uk  |
| Prof. Simon P. Driver (CoI)                     | University of Western Australia                   | simon.driver@icrar.org      |
| Dr. Norman Grogin (CoI)                         | Space Telescope Science Institute                 | nagrogin@stsci.edu          |
| Prof. Steven L. Finkelstein (CoI)               | University of Texas at Austin                     | stevenf@astro.as.utexas.edu |
| Dr. Nimish P. Hathi (CoI)                       | Space Telescope Science Institute                 | nhathi@stsci.edu            |
| Mr. Duho Kim (CoI)                              | Arizona State University                          | duho.kim@asu.edu            |
| Dr. Anton M. Koekemoer (CoI)                    | Space Telescope Science Institute                 | koekemoer@stsci.edu         |
| Dr. Adam Riess (CoI)                            | The Johns Hopkins University                      | ariess@stsci.edu            |
| Dr. Steve Rodney (CoI)                          | University of South Carolina Research Foundation  | steve.rodney@gmail.com      |
| Dr. Russell E. Ryan Jr. (CoI)                   | Space Telescope Science Institute                 | rryan@stsci.edu             |
| Mr. Brent Smith (CoI)                           | Arizona State University                          | brent.smith.1@asu.edu       |
| Dr. Louis-Gregory Strolger (CoI)                | Space Telescope Science Institute                 | strolger@stsci.edu          |
| Prof. Rogier A. Windhorst (CoI)                 | Arizona State University                          | rogier.windhorst@asu.edu    |
| Prof. Brenda Louise Frye (CoI)                  | University of Arizona                             | bfrye@as.arizona.edu        |
| Dr. Christopher Nicholas Andrew Willmer (CoI)   | University of Arizona                             | cnaw@as.arizona.edu         |
| Dr. Walter Brisken (CoI)                        | Associated Universities, Inc.                     | wbrisken@lbo.us             |
| Dr. Teresa Ashcraft (CoI)                       | Arizona State University                          | teresa.ashcraft@asu.edu     |
| Dr. Walter Peter Maksym III (CoI)               | Smithsonian Institution Astrophysical Observatory | peter.maksym@gmail.com      |

**VISITS**

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 01           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:33.0        | yes                           |
| 02           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:37.0        | yes                           |
| 03           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:40.0        | yes                           |
| 04           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:45.0        | yes                           |
| 05           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:48.0        | yes                           |
| 06           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:51.0        | yes                           |
| 07           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:55.0        | yes                           |
| 08           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:01:58.0        | yes                           |
| 09           | (1) JWST-NEP-TDF<br>ANY      | ACS/WFC<br>WFC3/UVIS                | 4                  | 08-Jan-2019 12:02:02.0        | yes                           |

36 Total Orbits Used

**ABSTRACT**

We propose UV-Visible imaging of the \*best\* field in JWST's Continuous Viewing Zones where one can conduct a deep and wide extragalactic survey at \*arbitrary\* cadence and orientation. This 7' radius time-domain field near the North Ecliptic Pole (1) is devoid of sources brighter than  $m_{AB} \sim 16$  at  $\sim 4$  micron, (2) has low Galactic foreground extinction, (3) was proven suitable to  $m_{AB} \sim 26$  mag in deep ground-based images, (4) includes a self-calibrator source for VLA/VLBA radio observations, and allows follow-up with other space- and major ground-based facilities from X-ray through radio. From our proposed HST imaging to  $m_{AB} \sim 28$  mag (the JWST spectroscopy limit) we will set the table for JWST, with (a) the

Proposal 15278 (STScI Edit Number: 1, Created: Tuesday, January 8, 2019 at 12:02:03 PM Eastern Standard Time) - Overview  
first two-epoch (37-73 day) baseline for time-domain science (AGN, SNe, proper motions), and (b) identification of ultra-high-z imposters: rest-frame UV-bright objects at  $z \sim 6$  that would contaminate JWST ultra-high redshift galaxy samples. From extant data and these proposed HST observations we aim to:

- (1) Establish a baseline UV-Visible detection image at  $\sim 0.05''$  FWHM, and provide a map of transients and objects moving on 37-73 day time scales;
- (2) Identify galaxies with UV-Visible SEDs with significant non-thermal emission (weak AGN, QSOs), assess the possible escape of LyC photons at  $2 < z < 3$ , and place limits on that escape and IGM porosity at  $3 < z < 5.6$ ;
- (3) Study mass assembly and evolution of all significantly resolved UV-bright galaxies at  $z \sim 6$  on a 'pixel-by-pixel' basis.

In order to maximize the scientific return of early-release JWST science, it is critical to image this field in the UV-Visible while HST is still in its prime and before the JWST launch.

## **OBSERVING DESCRIPTION**

This program will provide near-contiguous 3-filter UV--visible HST imaging of the central  $\sim 5'$  radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy at four distinct "spokes". JWST ERS and GO observers will have access to the GTO data, so we anticipate time-domain follow-up as early as JWST Cycle 1, as well as additional areal coverage within this field. The JWST NEP-TDF was defined to be the cleanest  $> 10' \times 10'$  area in JWST's northern Continuous Viewing Zone (CVZ), where JWST can conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science.

To maximize (1) overall HST coverage of the JWST NEP TDF, (2) overlap of the UV coverage of WFC3/UVIS F275W and visible coverage of ACS/WFC F435W and F606W, and (3) execute this program as efficiently as possible, we specify seven 4-orbit visits using near-CVZ and CVZ orbits with orientations and POS TARG offsets such that WFC3/UVIS F275W observations at one orientation will largely overlap ACS/WFC F435W and F606W observations at an alternate orientation in our "heptagram" pattern. One 4-orbit central pointing with WFC3/UVIS as primary instrument, plus one 4-orbit central pointing with ACS/WFC as primary instrument complete the contiguous HST coverage of the JWST NEP TDF. The orientation of these central pointings is such that their respective coordinated parallels also overlap, and will overlap NIRCcam coverage, which extends to  $r \sim 7'$ . This observational design brings our program to the total of 36 primary and 36 coordinated parallel orbits approved in Phase I. Through experimentation in Phase II, we found that the seven "heptagram" visits optimize better when we define the ACS/WFC observations as primary and the WFC3/UVIS observations as coordinated parallels. Availability of HST guide stars for each of the 9 visits forced a change in center position of  $90''$ W and  $14''$ S. Neither adjustment changes the intent or scope of this program.

Proposal 15278 - heptagram-visit1of7 (01) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| Visit         | <p>Proposal 15278, heptagram-visit1of7 (01), completed <span style="float: right;">Tue Jan 08 17:02:03 GMT 2019</span></p> <p><b>Diagnostic Status: Error</b></p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 069D TO 069 D; VISIBILITY INTERVAL 5715 S</p>   |                                  |                           |              |                       |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|---------------|---|----------------------------------|---------------------------|--------------|-----------------------|---|------|--------------------|--------------------------|--------|---------------|-----|--------------|----------------------------------|---------------------------|--------------|-----------------------|--|-----------------|-------------------------------|--|--|--|--|--|----------------|--|--|--|
| Diagnostics   | <p>(heptagram-visit1of7 (01)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit1of7 (01)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> |                                  |                           |              |                       |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| Fixed Targets | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF</td> <td>RA: 17 22 47.8960 (260.6995667d)</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: WTDF</td> <td>Dec: +65 49 21.54 (65.82265d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED</p> <p>Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p>  |                                  |                           |              |                       | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | JWST-NEP-TDF | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |  | Alt Name1: WTDF | Dec: +65 49 21.54 (65.82265d) |  |  |  |  |  | Equinox: J2000 |  |  |  |
| #             | Name  | Target Coordinates               | Targ. Coord. Corrections  | Fluxes       | Miscellaneous         |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| (1)           | JWST-NEP-TDF  | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|               | Alt Name1: WTDF   | Dec: +65 49 21.54 (65.82265d)    |                           |              |                       |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|               |   | Equinox: J2000                   |                           |              |                       |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |

Proposal 15278 - heptagram-visit1of7 (01) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.  | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|--|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -157.88<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit1of7 (01)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -157.88<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit1of7 (01)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |  | Sequence 1-6 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit1of7 (01)   | 2541 Secs (2541 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -157.68<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit1of7 (01)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -157.68<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit1of7 (01)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |  | Sequence 1-6 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit1of7 (01)   | 2541 Secs (2541 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -157.88<br>018882339293,85.37<br>737292289806 | Sequence 7-12 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit1of7 (01) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |
|           | 8     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -157.88<br>018882339293,85.37<br>737292289806 | Sequence 7-12 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit1of7 (01) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |

Proposal 15278 - heptagram-visit1of7 (01) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

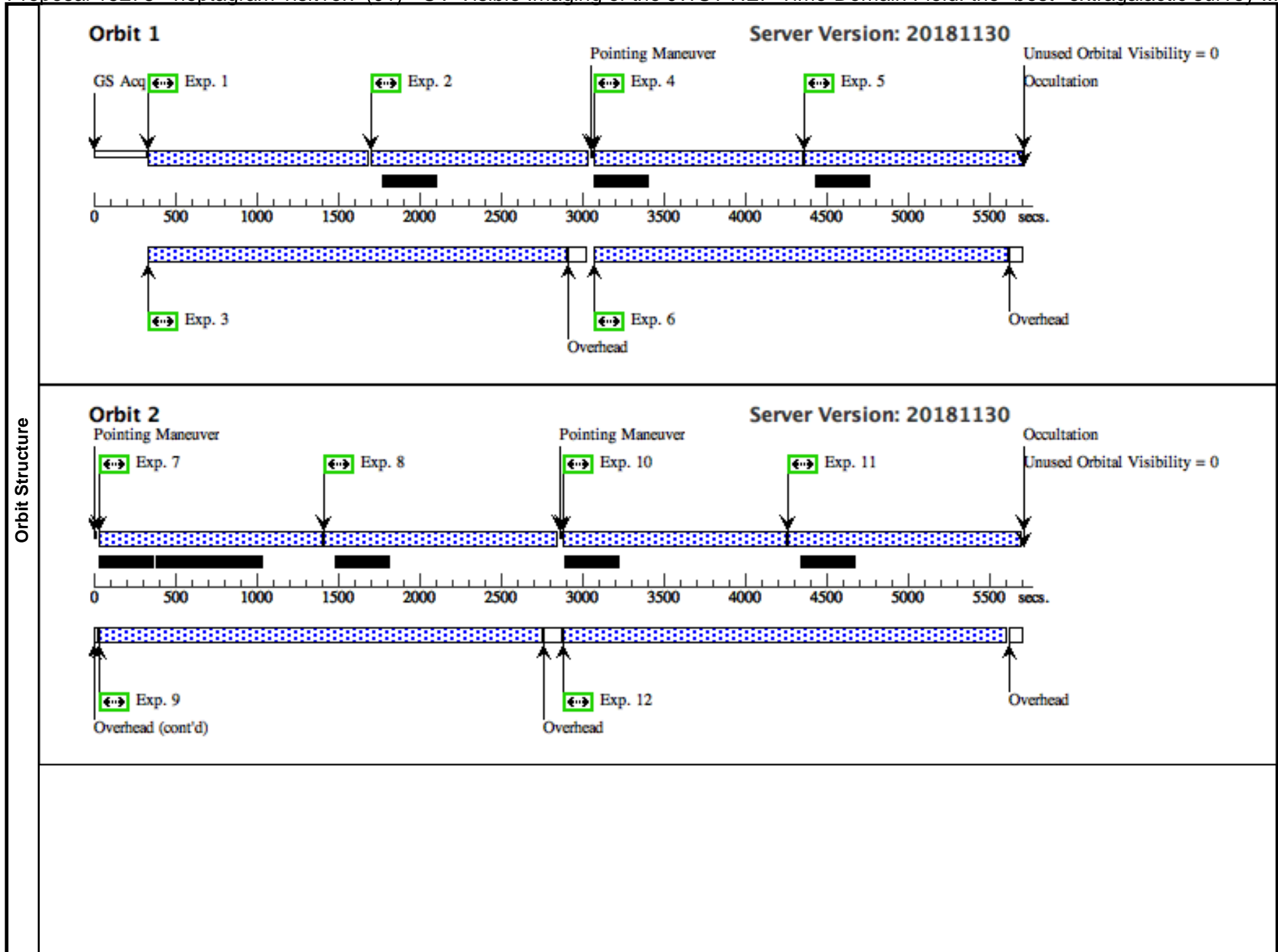
|    |                  |                          |       |         |  |  |                                |     |
|----|------------------|--------------------------|-------|---------|--|--|--------------------------------|-----|
| 9  | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8 |  | Sequence 7-12 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit1of7 (01)     | 2722 Secs (2722 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -157.68<br>018882339293,85.37<br>737292289806 | Sequence 7-12 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit1of7 (01)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -157.68<br>018882339293,85.37<br>737292289806 | Sequence 7-12 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit1of7 (01)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 12 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8 |  | Sequence 7-12 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit1of7 (01)   | 2725 Secs (2725 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -157.98<br>018882339293,85.67<br>737292289806 | Sequence 13-18 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit1of7 (01) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -157.98<br>018882339293,85.67<br>737292289806 | Sequence 13-18 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit1of7 (01) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8 |  | Sequence 13-18 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit1of7 (01) | 2722 Secs (2722 Secs)<br>[==>] | [3] |

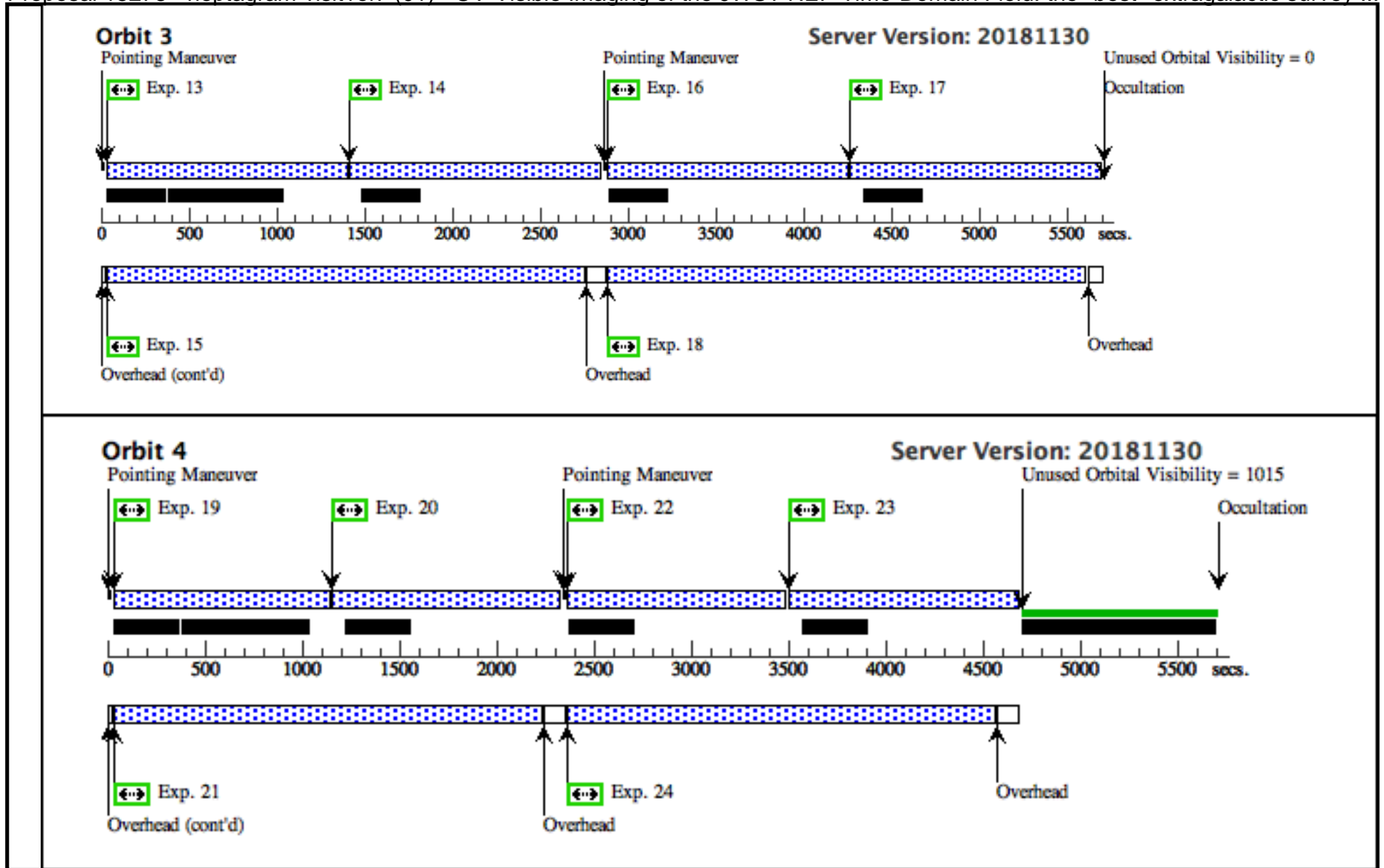
Proposal 15278 - heptagram-visit1of7 (01) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                |     |
|----|---|--|--|--------------------------------|-----|
| 16 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -157.78<br>018882339293,85.67<br>737292289806 | Sequence 13-18 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit1of7 (01) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -157.78<br>018882339293,85.67<br>737292289806 | Sequence 13-18 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit1of7 (01) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 18 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 13-18 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit1of7 (01) | 2725 Secs (2725 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -157.98<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit1of7 (01) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -157.98<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit1of7 (01) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 21 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 19-24 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit1of7 (01) | 2201 Secs (2201 Secs)<br>[==>] | [4] |
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -157.78<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit1of7 (01)<br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit1of7 (01) | 998 Secs (998 Secs)<br>[==>]   | [4] |

Proposal 15278 - heptagram-visit1of7 (01) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                |     |
|----|---|--|--|--------------------------------|-----|
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -157.78<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit1of7 (01)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit1of7 (01) | 998 Secs (998 Secs)<br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 19-24 Non-Int in heptagram-visit1of7 (01)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit1of7 (01) | 2201 Secs (2201 Secs)<br>[==>] | [4] |





Proposal 15278 - heptagram-visit2of7 (02) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| Visit   | <p>Proposal 15278, heptagram-visit2of7 (02), completed <span style="float: right;">Tue Jan 08 17:02:04 GMT 2019</span></p> <p><b>Diagnostic Status: Error</b></p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 16D TO 16 D; BETWEEN 2017.332:00:30:35 AND 2017.332:00:36:35; BETWEEN 2017.333:00:21:05 AND 2017.333:00:27:05; BETWEEN 2017.334:00:11:36 AND 2017.334:00:17:36; BETWEEN 2017.334:22:26:45 AND 2017.334:22:32:45; BETWEEN 2017.335:22:17:17 AND 2017.335:22:23:17; VISIBILITY INTERVAL 5715 S</p>  |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|---|---|----------------------------------|---------------------------|--------------------------|-----------------------|---------------|------|--------------------|--------------------------|--------|---------------|-----|--------------|----------------------------------|---------------------------|--------------|-----------------------|--|-----------------|-------------------------------|--|--|--|--|--|----------------|--|--|--|
|   | <p>(heptagram-visit2of7 (02)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit2of7 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| Fixed Targets   | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF</td> <td>RA: 17 22 47.8960 (260.6995667d)</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: WTDF</td> <td>Dec: +65 49 21.54 (65.82265d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>  |                                  |                           |                          |                       | #             | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | JWST-NEP-TDF | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |  | Alt Name1: WTDF | Dec: +65 49 21.54 (65.82265d) |  |  |  |  |  | Equinox: J2000 |  |  |  |
|   | #   | Name                             | Target Coordinates        | Targ. Coord. Corrections | Fluxes                | Miscellaneous |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| (1)   | JWST-NEP-TDF  | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0             | Reference Frame: ICRS |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|   | Alt Name1: WTDF   | Dec: +65 49 21.54 (65.82265d)    |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|   |   | Equinox: J2000                   |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED</p> <p>Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |   |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |

Proposal 15278 - heptagram-visit2of7 (02) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.   | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|---|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -163.30<br>35049282318,98.233<br>32706088605 | Sequence 1-6 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit2of7 (02)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -163.30<br>35049282318,98.233<br>32706088605 | Sequence 1-6 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit2of7 (02)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |   | Sequence 1-6 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit2of7 (02)   | 2571 Secs (2571 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -163.10<br>35049282318,98.233<br>32706088605 | Sequence 1-6 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit2of7 (02)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -163.10<br>35049282318,98.233<br>32706088605 | Sequence 1-6 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit2of7 (02)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |   | Sequence 1-6 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit2of7 (02)   | 2541 Secs (2541 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -163.30<br>35049282318,98.033<br>32706088605 | Sequence 7-12 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit2of7 (02) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |
|           | 8     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -163.30<br>35049282318,98.033<br>32706088605 | Sequence 7-12 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit2of7 (02) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |

Proposal 15278 - heptagram-visit2of7 (02) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

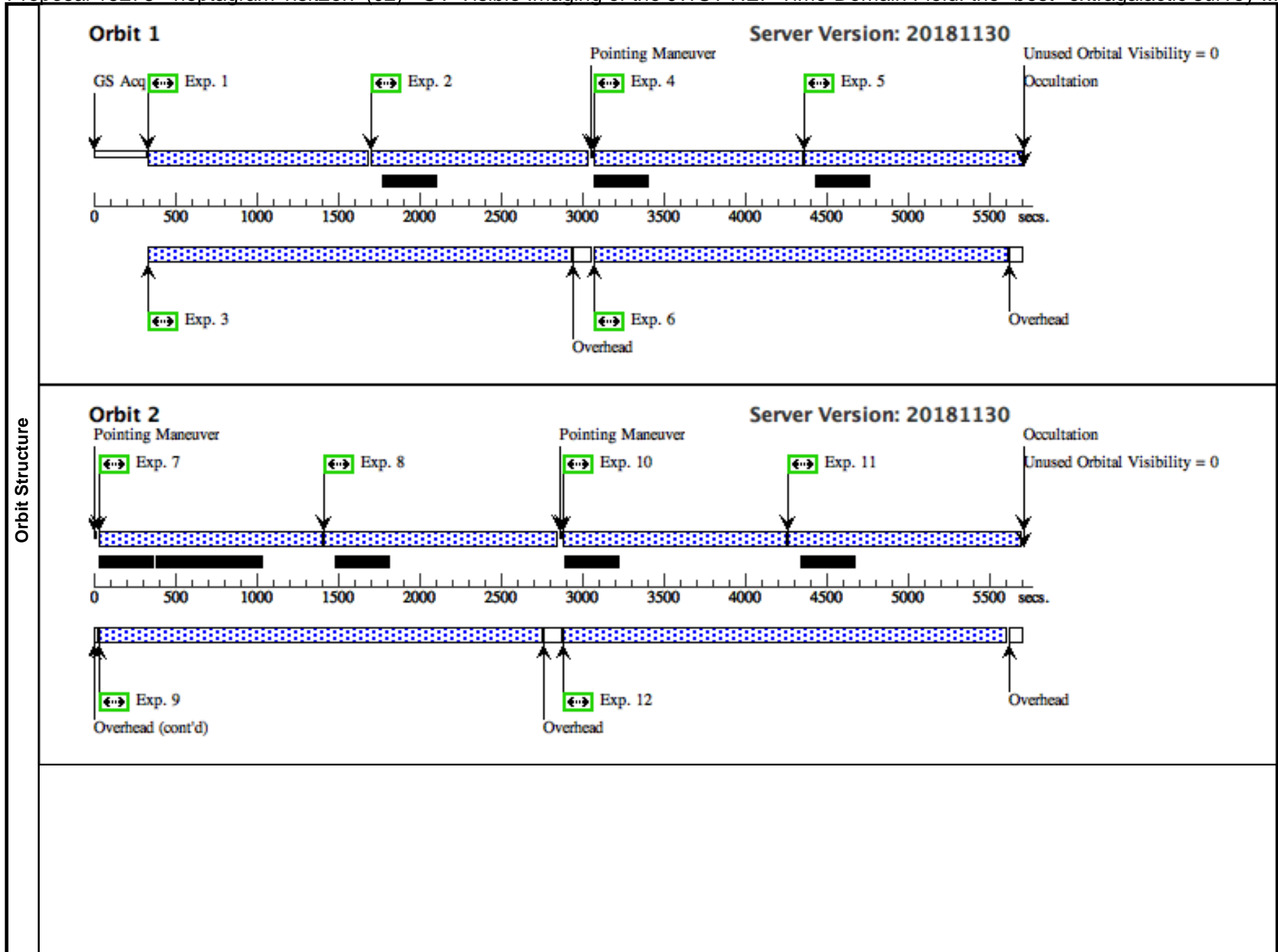
|    |                  |                          |       |         |   |  |                                |     |
|----|------------------|--------------------------|-------|---------|---|--|--------------------------------|-----|
| 9  | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8 |   | Sequence 7-12 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit2of7 (02)     | 2722 Secs (2722 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -163.1035049282318,98.03332706088605 | Sequence 7-12 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit2of7 (02)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -163.1035049282318,98.03332706088605 | Sequence 7-12 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit2of7 (02)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 12 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8 |   | Sequence 7-12 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit2of7 (02)   | 2725 Secs (2725 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -163.4035049282318,98.33332706088605 | Sequence 13-18 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit2of7 (02) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -163.4035049282318,98.33332706088605 | Sequence 13-18 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit2of7 (02) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8 |   | Sequence 13-18 Non-Int in heptagram-visit2of7 (02)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit2of7 (02) | 2722 Secs (2722 Secs)<br>[==>] | [3] |

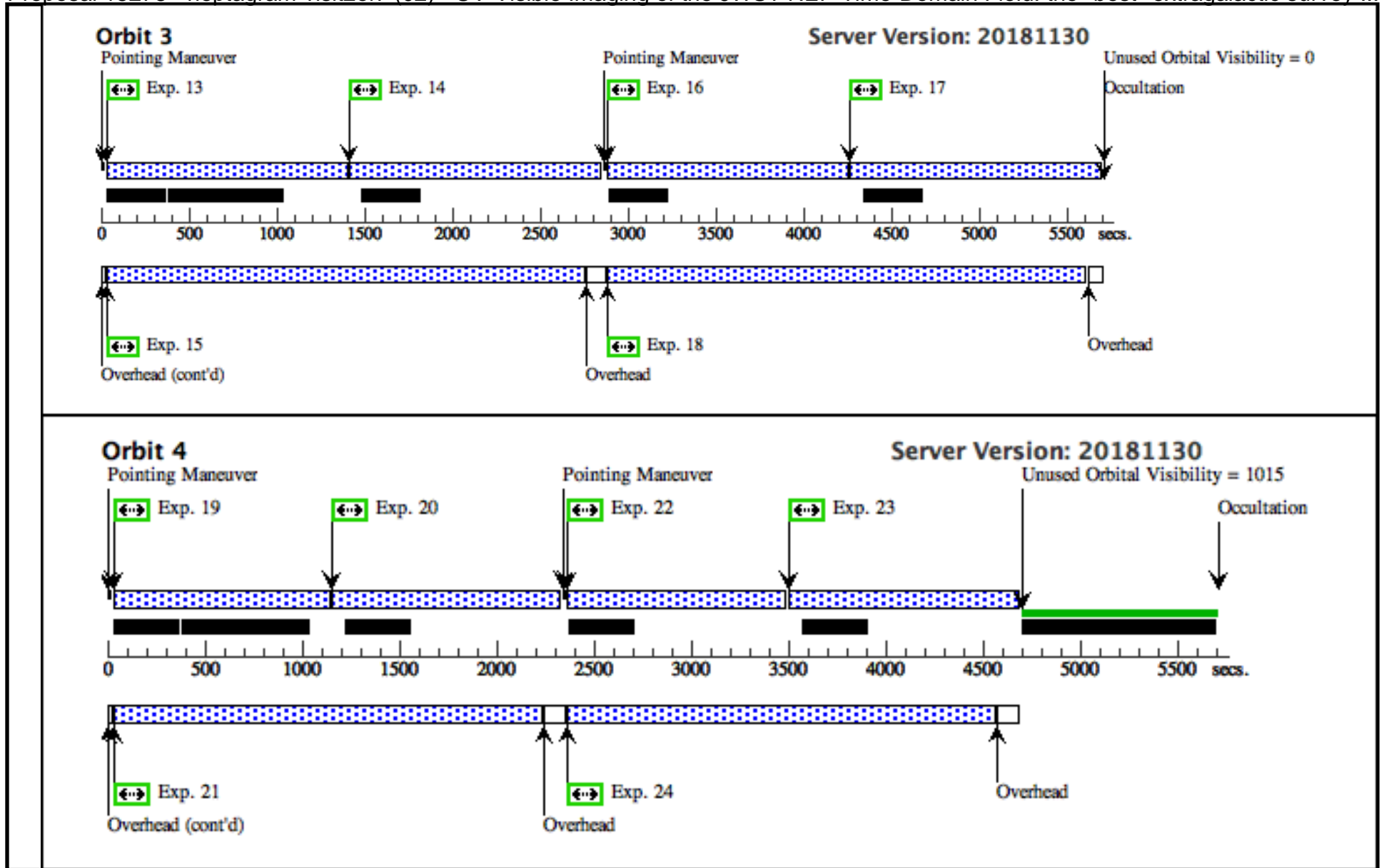
Proposal 15278 - heptagram-visit2of7 (02) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |   |  |                                |     |
|----|---|---|--|--------------------------------|-----|
| 16 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -163.20<br>35049282318,98.333<br>32706088605 | Sequence 13-18 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit2of7 (02) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -163.20<br>35049282318,98.333<br>32706088605 | Sequence 13-18 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit2of7 (02) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 18 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |   | Sequence 13-18 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit2of7 (02) | 2725 Secs (2725 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -163.40<br>35049282318,98.133<br>32706088605 | Sequence 19-24 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit2of7 (02) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -163.40<br>35049282318,98.133<br>32706088605 | Sequence 19-24 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit2of7 (02) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 21 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |   | Sequence 19-24 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit2of7 (02) | 2201 Secs (2201 Secs)<br>[==>] | [4] |
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -163.20<br>35049282318,98.133<br>32706088605 | Sequence 19-24 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit2of7 (02) | 998 Secs (998 Secs)<br>[==>]   | [4] |

Proposal 15278 - heptagram-visit2of7 (02) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |   |  |                                    |     |
|----|---|---|--|------------------------------------|-----|
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -163.20<br>35049282318.98.133<br>32706088605 | Sequence 19-24 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit2of7 (02) | 998 Secs (998 Secs)<br><br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS                      | F275W FLASH=8   | Sequence 19-24 Non-Int in heptagram-visit2of7 (02)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit2of7 (02) | 2201 Secs (2201 Secs)<br><br>[==>] | [4] |





Proposal 15278 - heptagram-visit3of7 (03) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| <b>Visit</b>   | <p><b>Proposal 15278, heptagram-visit3of7 (03), implementation</b> <span style="float: right;">Tue Jan 08 17:02:04 GMT 2019</span></p> <p><b>Diagnostic Status: Error</b></p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 326D TO 326 D; BETWEEN 2019.037:20:49:31 AND 2019.037:20:55:31; BETWEEN 2019.038:19:03:24 AND 2019.038:19:09:24; BETWEEN 2019.039:18:54:38 AND 2019.039:19:00:38; BETWEEN 2019.040:18:44:49 AND 2019.040:18:50:49; BETWEEN 2019.041:18:35:00 AND 2019.041:18:41:00; BETWEEN 2019.042:18:25:11 AND 2019.042:18:31:11; VISIBILITY INTERVAL 5715 S</p> |   |   |                                  |                           |              |                       |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |   |  |  |  |
|--|---|---|---|----------------------------------|---------------------------|--------------|-----------------------|------|--------------------|--------------------------|--------|---------------|-----|--------------|----------------------------------|---------------------------|--------------|-----------------------|--|-----------------|---|--|--|--|
|  | <b>Diagnostics</b>  | <p>(heptagram-visit3of7 (03)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit3of7 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> |   |                                  |                           |              |                       |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |   |  |  |  |
| <b>Fixed Targets</b>   |   | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF</td> <td>RA: 17 22 47.8960 (260.6995667d)</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: WTDF</td> <td>Dec: +65 49 21.54 (65.82265d)<br/>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>  |   |                                  |                           |              | #                     | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | JWST-NEP-TDF | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |  | Alt Name1: WTDF | Dec: +65 49 21.54 (65.82265d)<br>Equinox: J2000 |  |  |  |
|  |   | #   | Name  | Target Coordinates               | Targ. Coord. Corrections  | Fluxes       | Miscellaneous         |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |   |  |  |  |
|  |   | (1)   | JWST-NEP-TDF                                    | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |   |  |  |  |
|  |   | Alt Name1: WTDF   | Dec: +65 49 21.54 (65.82265d)<br>Equinox: J2000 |                                  |                           |              |                       |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |   |  |  |  |
| <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GScv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED</p> <p>Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |   |   |   |                                  |                           |              |                       |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |   |  |  |  |

Proposal 15278 - heptagram-visit3of7 (03) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.  | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|--|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -157.88<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit3of7 (03)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -157.88<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit3of7 (03)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=6      |  | Sequence 1-6 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit3of7 (03)   | 2571 Secs (2571 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -157.68<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit3of7 (03)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -157.68<br>018882339293,85.57<br>737292289806 | Sequence 1-6 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit3of7 (03)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=6      |  | Sequence 1-6 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit3of7 (03)   | 2541 Secs (2541 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -157.88<br>018882339293,85.37<br>737292289806 | Sequence 7-12 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit3of7 (03) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |
|           | 8     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -157.88<br>018882339293,85.37<br>737292289806 | Sequence 7-12 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit3of7 (03) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |

Proposal 15278 - heptagram-visit3of7 (03) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

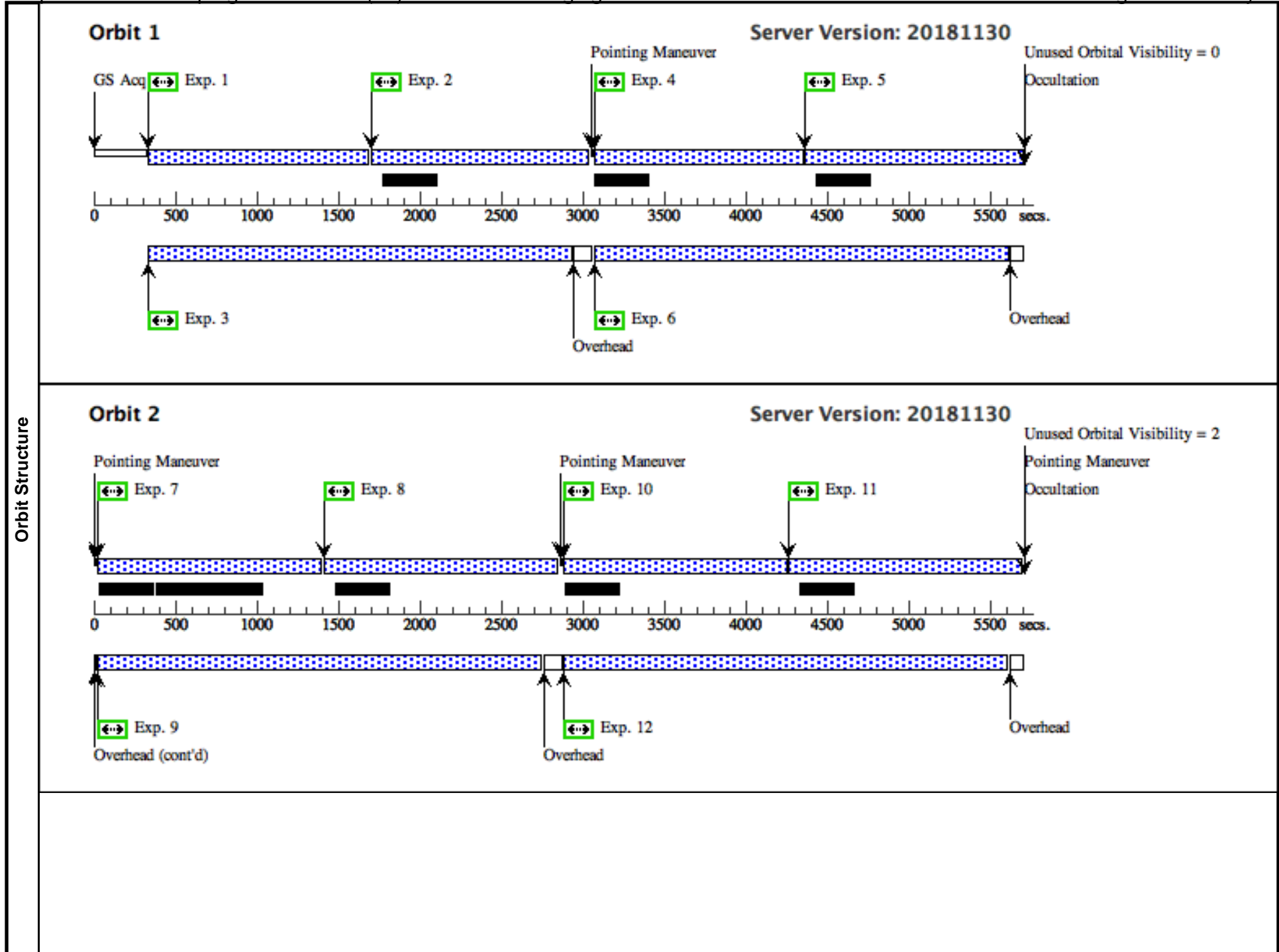
|    |                  |                          |       |         |  |  |                                |     |
|----|------------------|--------------------------|-------|---------|--|--|--------------------------------|-----|
| 9  | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |  | Sequence 7-12 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit3of7 (03)     | 2722 Secs (2722 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -157.68018882339293,85.37737292289806 | Sequence 7-12 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit3of7 (03)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -157.68018882339293,85.37737292289806 | Sequence 7-12 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit3of7 (03)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 12 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |  | Sequence 7-12 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit3of7 (03)   | 2725 Secs (2725 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -157.98018882339293,85.67737292289806 | Sequence 13-18 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit3of7 (03) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -157.98018882339293,85.67737292289806 | Sequence 13-18 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit3of7 (03) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |  | Sequence 13-18 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit3of7 (03) | 2722 Secs (2722 Secs)<br>[==>] | [3] |

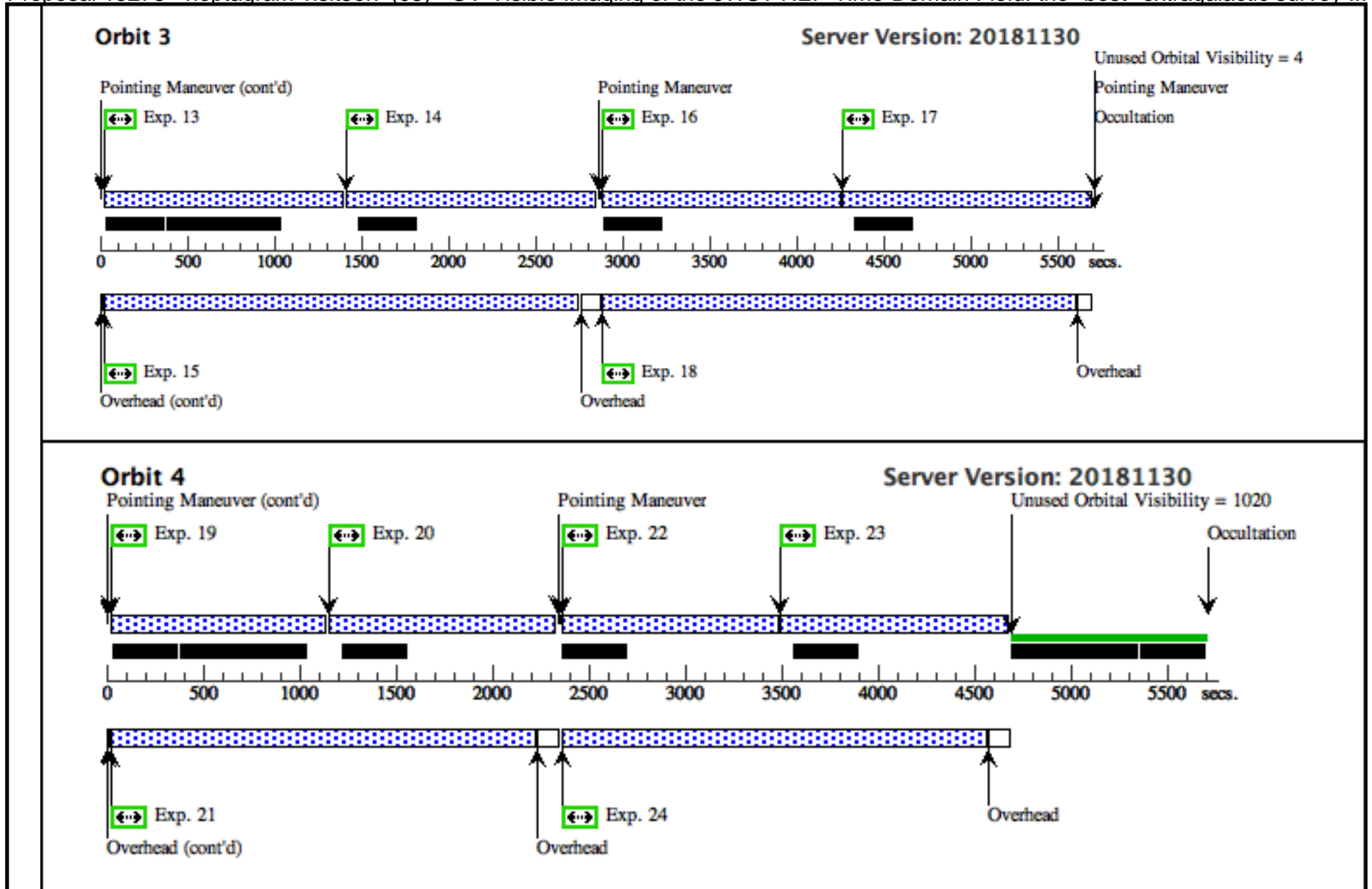
Proposal 15278 - heptagram-visit3of7 (03) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                |     |
|----|---|--|--|--------------------------------|-----|
| 16 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -157.78<br>018882339293,85.67<br>737292289806 | Sequence 13-18 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit3of7 (03) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -157.78<br>018882339293,85.67<br>737292289806 | Sequence 13-18 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit3of7 (03) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 18 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |  | Sequence 13-18 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit3of7 (03) | 2725 Secs (2725 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -157.98<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit3of7 (03) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -157.98<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit3of7 (03) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 21 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |  | Sequence 19-24 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit3of7 (03) | 2201 Secs (2201 Secs)<br>[==>] | [4] |
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -157.78<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit3of7 (03)<br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit3of7 (03) | 998 Secs (998 Secs)<br>[==>]   | [4] |

Proposal 15278 - heptagram-visit3of7 (03) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                |     |
|----|---|--|--|--------------------------------|-----|
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -157.78<br>018882339293,85.47<br>737292289806 | Sequence 19-24 Non-Int in heptagram-visit3of7 (03)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit3of7 (03) | 998 Secs (998 Secs)<br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |  | Sequence 19-24 Non-Int in heptagram-visit3of7 (03)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit3of7 (03) | 2201 Secs (2201 Secs)<br>[==>] | [4] |





Proposal 15278 - heptagram-visit4of7 (04) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| <b>Visit</b>         | <p><b>Proposal 15278, heptagram-visit4of7 (04), completed</b> <span style="float: right;">Tue Jan 08 17:02:04 GMT 2019</span></p> <p><b>Diagnostic Status: Error</b></p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 277D TO 277 D; BETWEEN 2018.081:12:42:42 AND 2018.081:12:48:42; VISIBILITY INTERVAL 5715 S</p> <p><i>Comments: There are three other potential start times on day 81 that need to be added via BETWEEN.</i></p> |   |   |                           |                          |                          |               |               |     |                                 |   |                           |              |                       |  |  |  |  |  |
|----------------------|--|---|---|---------------------------|--------------------------|--------------------------|---------------|---------------|-----|---------------------------------|---|---------------------------|--------------|-----------------------|--|--|--|--|--|
|                      | <b>Diagnostics</b>   | <p>(heptagram-visit4of7 (04)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit4of7 (04)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> |   |                           |                          |                          |               |               |     |                                 |   |                           |              |                       |  |  |  |  |  |
| <b>Fixed Targets</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 30%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 10%;">Fluxes</th> <th style="width: 15%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF<br/>Alt Name1: WTDF</td> <td>RA: 17 22 47.8960 (260.6995667d)<br/>Dec: +65 49 21.54 (65.82265d)<br/>Equinox: J2000</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>  | #   | Name                      | Target Coordinates       | Targ. Coord. Corrections | Fluxes        | Miscellaneous | (1) | JWST-NEP-TDF<br>Alt Name1: WTDF | RA: 17 22 47.8960 (260.6995667d)<br>Dec: +65 49 21.54 (65.82265d)<br>Equinox: J2000 | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS | <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV--visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED</p> <p>Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |  |  |  |  |
|                      |  | #   | Name  | Target Coordinates        | Targ. Coord. Corrections | Fluxes                   | Miscellaneous |               |     |                                 |   |                           |              |                       |  |  |  |  |  |
| (1)                  |  | JWST-NEP-TDF<br>Alt Name1: WTDF   | RA: 17 22 47.8960 (260.6995667d)<br>Dec: +65 49 21.54 (65.82265d)<br>Equinox: J2000 | Epoch of Position: 2000.0 | V=27.0+/-1.0             | Reference Frame: ICRS    |               |               |     |                                 |   |                           |              |                       |  |  |  |  |  |

Proposal 15278 - heptagram-visit4of7 (04) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.   | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|---|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -176.65<br>87346887375.89.689<br>25994717526 | Sequence 1-6 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit4of7 (04)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -176.65<br>87346887375.89.689<br>25994717526 | Sequence 1-6 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit4of7 (04)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |   | Sequence 1-6 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit4of7 (04)   | 2571 Secs (2571 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -176.45<br>87346887375.89.689<br>25994717526 | Sequence 1-6 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit4of7 (04)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -176.45<br>87346887375.89.689<br>25994717526 | Sequence 1-6 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit4of7 (04)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |   | Sequence 1-6 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit4of7 (04)   | 2541 Secs (2541 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -176.65<br>87346887375.89.489<br>25994717526 | Sequence 7-12 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit4of7 (04) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |
|           | 8     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -176.65<br>87346887375.89.489<br>25994717526 | Sequence 7-12 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit4of7 (04) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |

Proposal 15278 - heptagram-visit4of7 (04) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

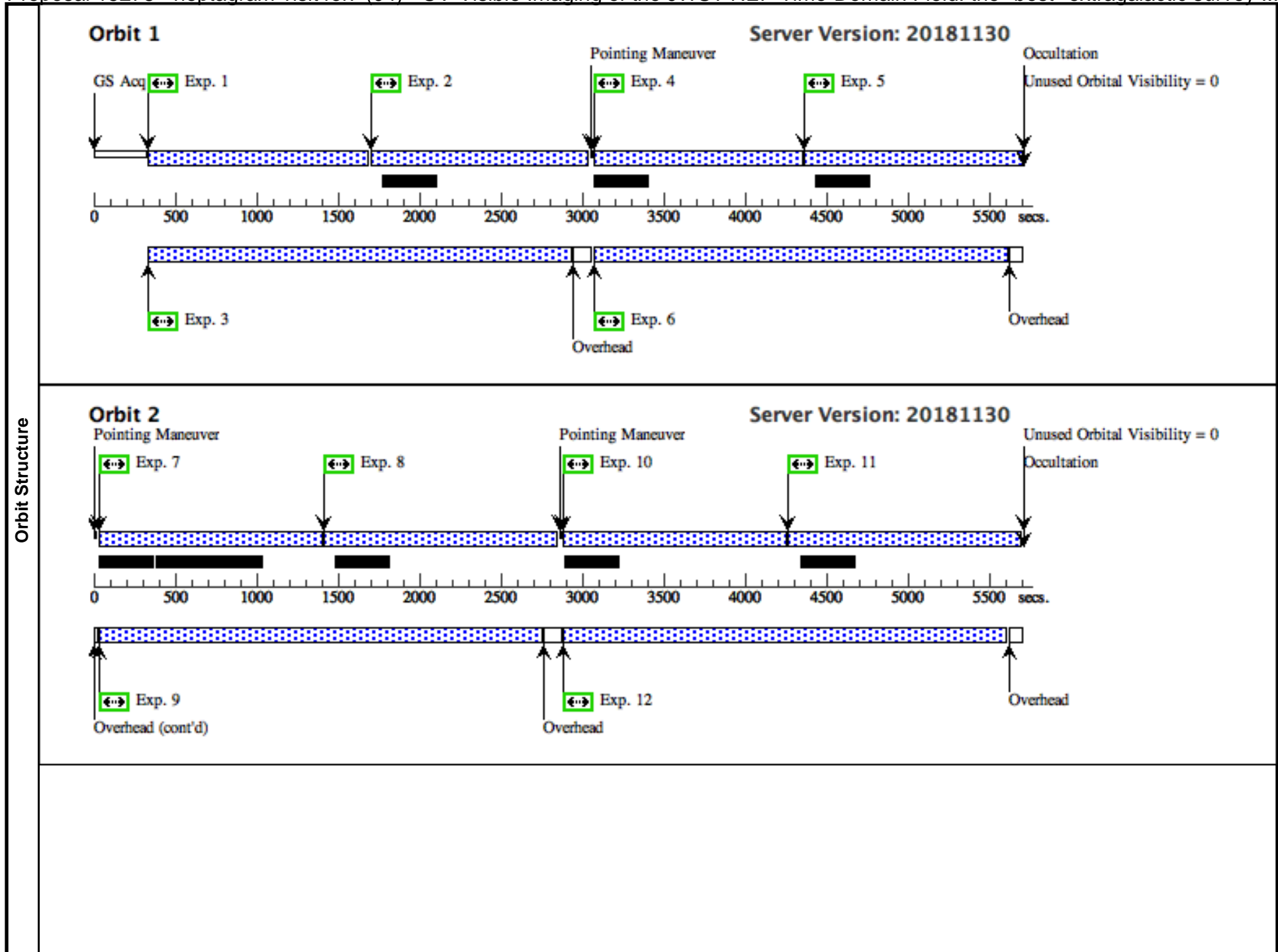
|    |                  |                          |       |   |  |                                |     |
|----|------------------|--------------------------|-------|---|--|--------------------------------|-----|
| 9  | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8                                       | Sequence 7-12 Non-Int in heptagram-visit4of7 (04)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit4of7 (04)     | 2722 Secs (2722 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W | POS TARG -176.4587346887375.89.48925994717526 | Sequence 7-12 Non-Int in heptagram-visit4of7 (04)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit4of7 (04)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W | POS TARG -176.4587346887375.89.48925994717526 | Sequence 7-12 Non-Int in heptagram-visit4of7 (04)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit4of7 (04)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 12 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8                                       | Sequence 7-12 Non-Int in heptagram-visit4of7 (04)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit4of7 (04)   | 2725 Secs (2725 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W | POS TARG -176.7587346887375.89.78925994717526 | Sequence 13-18 Non-Int in heptagram-visit4of7 (04)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit4of7 (04) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W | POS TARG -176.7587346887375.89.78925994717526 | Sequence 13-18 Non-Int in heptagram-visit4of7 (04)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit4of7 (04) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8                                       | Sequence 13-18 Non-Int in heptagram-visit4of7 (04)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit4of7 (04) | 2722 Secs (2722 Secs)<br>[==>] | [3] |

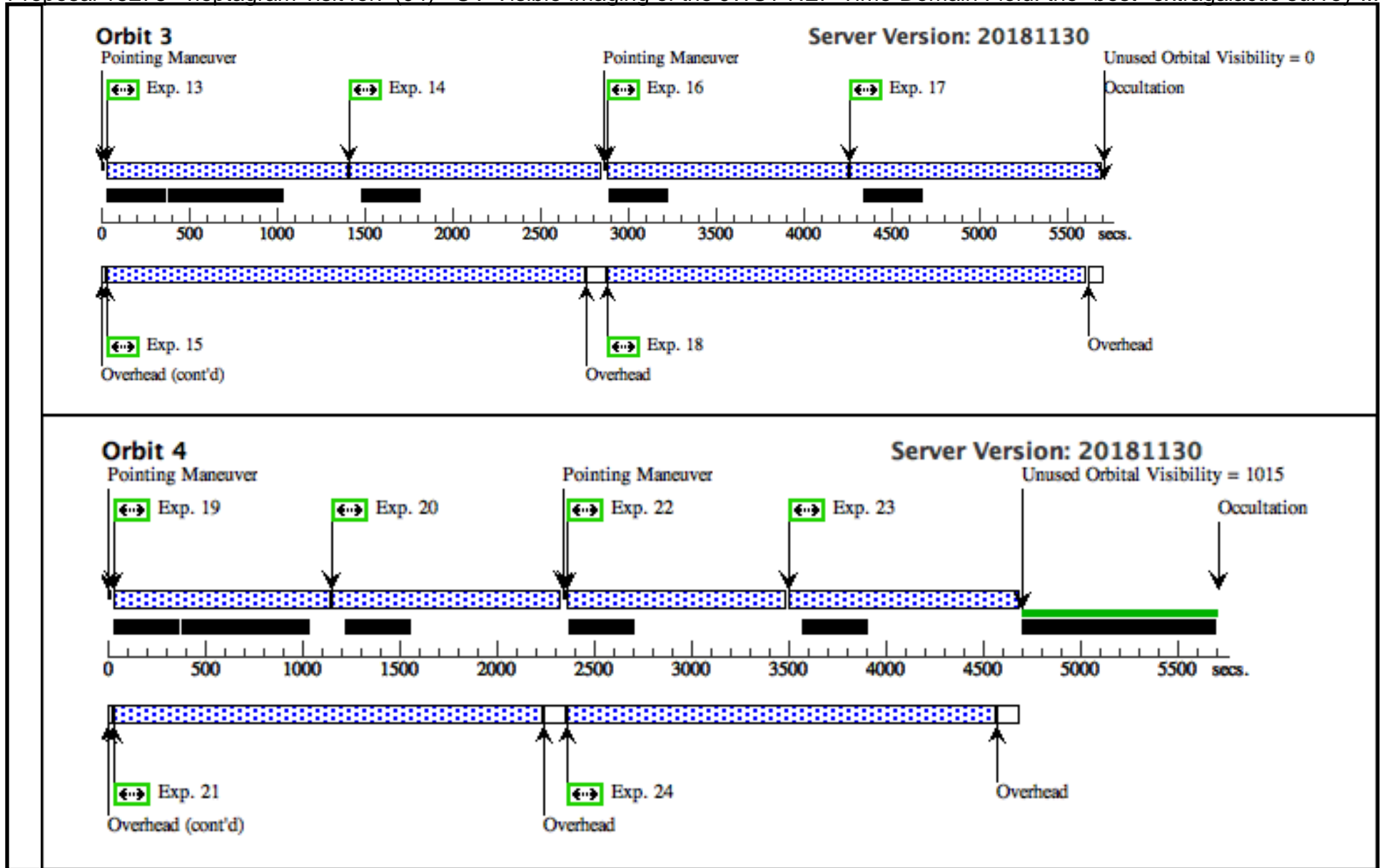
Proposal 15278 - heptagram-visit4of7 (04) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |   |  |                                |     |
|----|---|---|--|--------------------------------|-----|
| 16 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -176.55<br>87346887375.89.789<br>25994717526 | Sequence 13-18 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit4of7 (04) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -176.55<br>87346887375.89.789<br>25994717526 | Sequence 13-18 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit4of7 (04) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 18 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |   | Sequence 13-18 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit4of7 (04) | 2725 Secs (2725 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -176.75<br>87346887375.89.589<br>25994717526 | Sequence 19-24 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit4of7 (04) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -176.75<br>87346887375.89.589<br>25994717526 | Sequence 19-24 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit4of7 (04) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 21 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |   | Sequence 19-24 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit4of7 (04) | 2201 Secs (2201 Secs)<br>[==>] | [4] |
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -176.55<br>87346887375.89.589<br>25994717526 | Sequence 19-24 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit4of7 (04) | 998 Secs (998 Secs)<br>[==>]   | [4] |

Proposal 15278 - heptagram-visit4of7 (04) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |   |                                    |     |
|----|---|---|------------------------------------|-----|
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -176.55<br>87346887375.89.589<br>25994717526<br><br>Sequence 19-24 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit4of7 (04) | 998 Secs (998 Secs)<br><br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        | Sequence 19-24 Non-Int in heptagram-visit4of7 (04)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit4of7 (04)  | 2201 Secs (2201 Secs)<br><br>[==>] | [4] |





Proposal 15278 - heptagram-visit5of7 (05) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| <b>Visit</b>  | <p><b>Proposal 15278, heptagram-visit5of7 (05), completed</b> <span style="float: right;">Tue Jan 08 17:02:04 GMT 2019</span></p> <p><b>Diagnostic Status: Error</b></p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 214D TO 214 D; BETWEEN 2018.130:14:42:28 AND 2018.130:14:48:28; BETWEEN 2018.132:15:58:37 AND 2018.132:16:04:37; BETWEEN 2018.133:11:02:58 AND 2018.133:11:08:58; BETWEEN 2018.134:10:53:25 AND 2018.134:10:59:25; BETWEEN 2018.135:13:54:36 AND 2018.135:14:00:36; VISIBILITY INTERVAL 5715 S</p>   |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|---|---|----------------------------------|---------------------------|--------------------------|-----------------------|---------------|------|--------------------|--------------------------|--------|---------------|-----|--------------|----------------------------------|---------------------------|--------------|-----------------------|--|-----------------|-------------------------------|--|--|--|--|--|----------------|--|--|--|
|   | <p>(heptagram-visit5of7 (05)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit5of7 (05)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| <b>Diagnosics</b>   | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF</td> <td>RA: 17 22 47.8960 (260.6995667d)</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: WTDF</td> <td>Dec: +65 49 21.54 (65.82265d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>  |                                  |                           |                          |                       | #             | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | JWST-NEP-TDF | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |  | Alt Name1: WTDF | Dec: +65 49 21.54 (65.82265d) |  |  |  |  |  | Equinox: J2000 |  |  |  |
|   | #   | Name                             | Target Coordinates        | Targ. Coord. Corrections | Fluxes                | Miscellaneous |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| (1)   | JWST-NEP-TDF  | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0             | Reference Frame: ICRS |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|   | Alt Name1: WTDF   | Dec: +65 49 21.54 (65.82265d)    |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|   |   | Equinox: J2000                   |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED</p> <p>Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |   |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| <b>Fixed Targets</b>  |   |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |

Proposal 15278 - heptagram-visit5of7 (05) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.  | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|--|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -164.50<br>356604258423,94.50<br>399262148488 | Sequence 1-6 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit5of7 (05)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -164.50<br>356604258423,94.50<br>399262148488 | Sequence 1-6 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit5of7 (05)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |  | Sequence 1-6 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit5of7 (05)   | 2571 Secs (2571 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -164.30<br>356604258423,94.50<br>399262148488 | Sequence 1-6 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit5of7 (05)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -164.30<br>356604258423,94.50<br>399262148488 | Sequence 1-6 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit5of7 (05)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |  | Sequence 1-6 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit5of7 (05)   | 2541 Secs (2541 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -164.50<br>356604258423,94.30<br>399262148488 | Sequence 7-12 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit5of7 (05) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |
|           | 8     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -164.50<br>356604258423,94.30<br>399262148488 | Sequence 7-12 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit5of7 (05) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |

Proposal 15278 - heptagram-visit5of7 (05) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

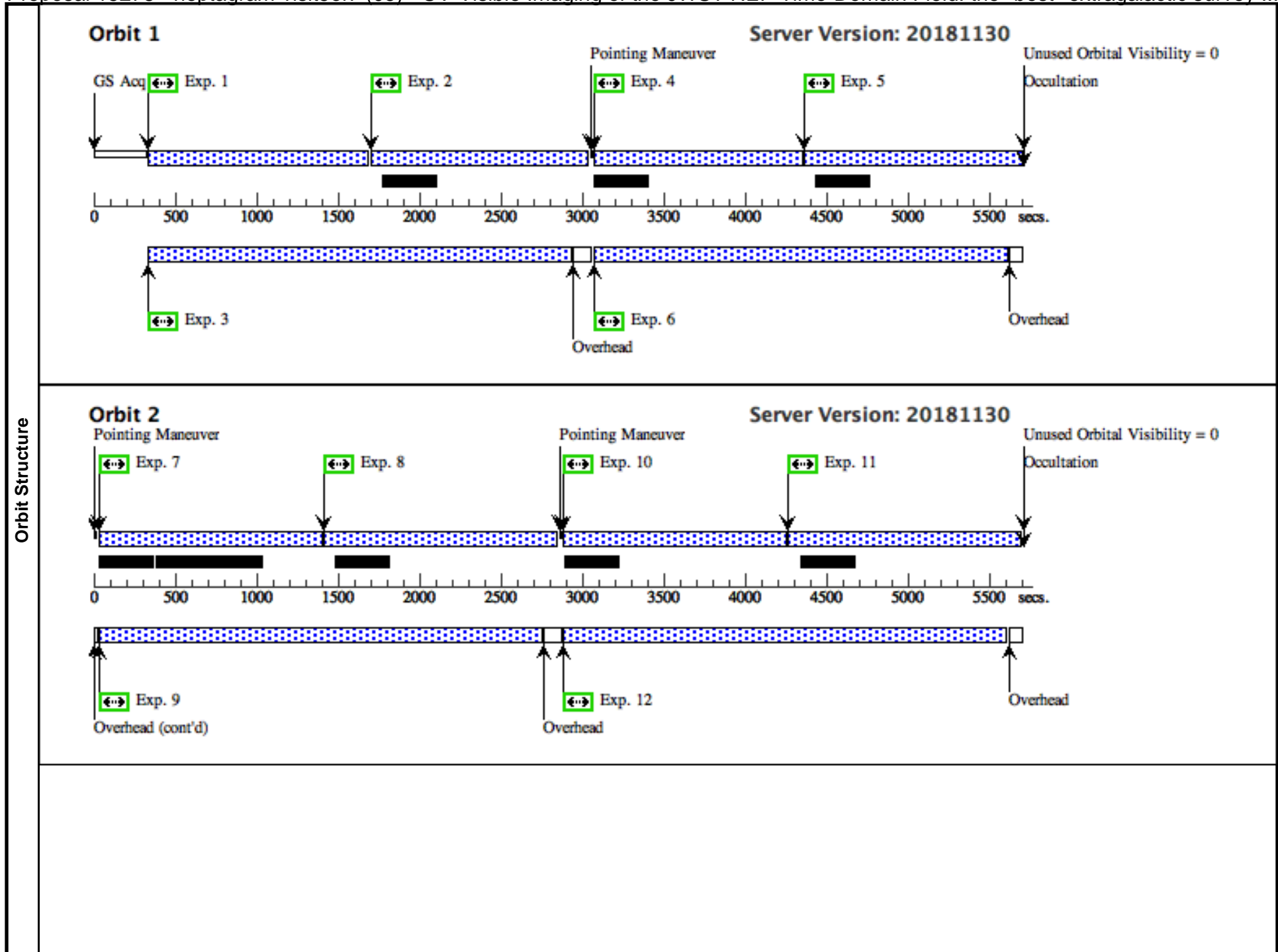
|    |                  |                          |       |  |  |                                |     |
|----|------------------|--------------------------|-------|--|--|--------------------------------|-----|
| 9  | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8  | Sequence 7-12 Non-Int in heptagram-visit5of7 (05)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit5of7 (05)     | 2722 Secs (2722 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W | POS TARG -164.30<br>356604258423,94.30<br>399262148488 | Sequence 7-12 Non-Int in heptagram-visit5of7 (05)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit5of7 (05)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W | POS TARG -164.30<br>356604258423,94.30<br>399262148488 | Sequence 7-12 Non-Int in heptagram-visit5of7 (05)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit5of7 (05)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 12 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8  | Sequence 7-12 Non-Int in heptagram-visit5of7 (05)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit5of7 (05)   | 2725 Secs (2725 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W | POS TARG -164.60<br>356604258423,94.60<br>399262148488 | Sequence 13-18 Non-Int in heptagram-visit5of7 (05)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit5of7 (05) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W | POS TARG -164.60<br>356604258423,94.60<br>399262148488 | Sequence 13-18 Non-Int in heptagram-visit5of7 (05)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit5of7 (05) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8  | Sequence 13-18 Non-Int in heptagram-visit5of7 (05)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit5of7 (05) | 2722 Secs (2722 Secs)<br>[==>] | [3] |

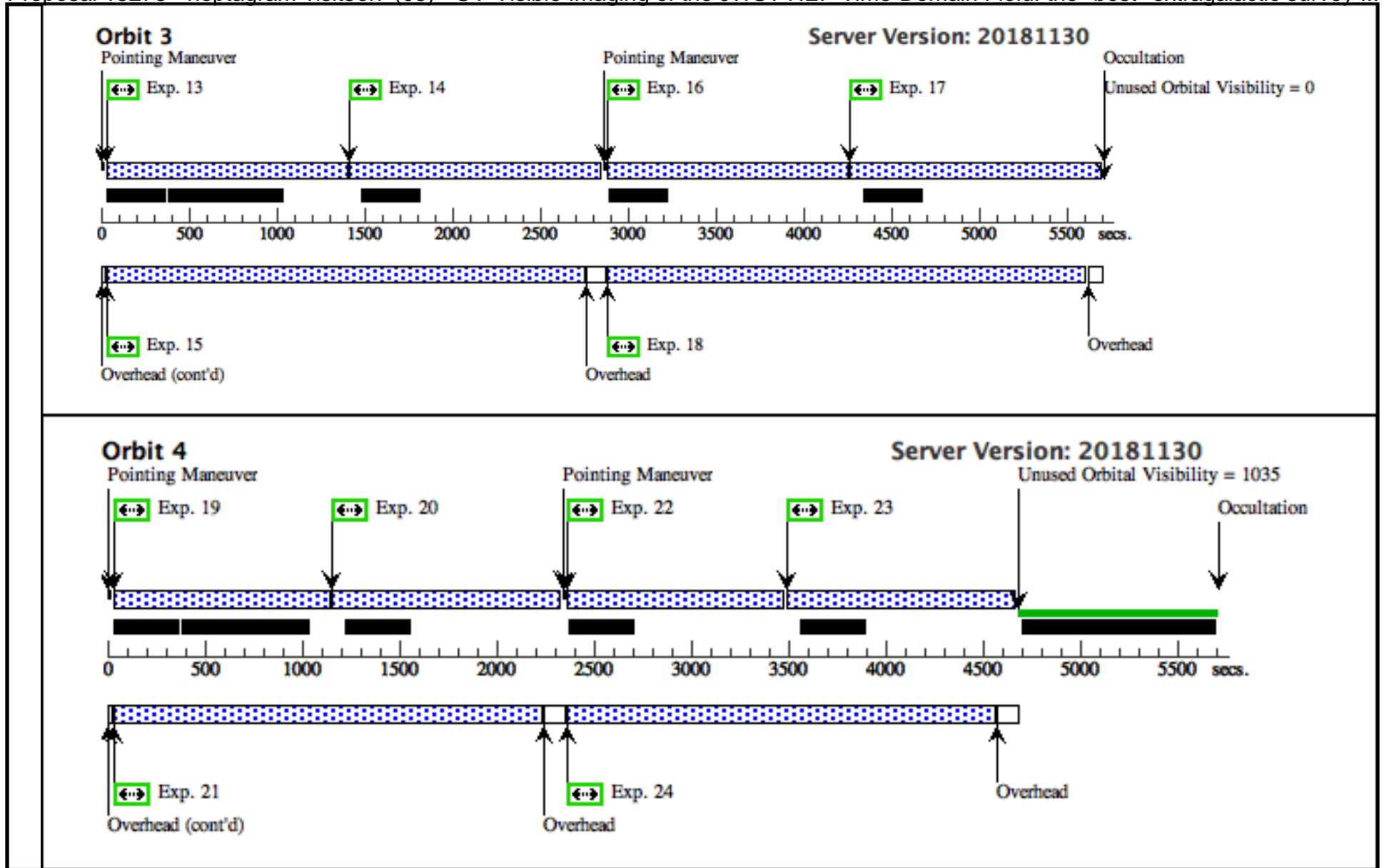
Proposal 15278 - heptagram-visit5of7 (05) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                |     |
|----|---|--|--|--------------------------------|-----|
| 16 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -164.40<br>356604258423,94.60<br>399262148488 | Sequence 13-18 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit5of7 (05) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -164.40<br>356604258423,94.60<br>399262148488 | Sequence 13-18 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit5of7 (05) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 18 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 13-18 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit5of7 (05) | 2725 Secs (2725 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -164.60<br>356604258423,94.50<br>399262148488 | Sequence 19-24 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit5of7 (05) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -164.60<br>356604258423,94.50<br>399262148488 | Sequence 19-24 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit5of7 (05) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 21 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 19-24 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit5of7 (05) | 2201 Secs (2201 Secs)<br>[==>] | [4] |
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -164.40<br>356604258423,94.50<br>399262148488 | Sequence 19-24 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit5of7 (05) | 988 Secs (988 Secs)<br>[==>]   | [4] |

Proposal 15278 - heptagram-visit5of7 (05) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                    |     |
|----|---|--|--|------------------------------------|-----|
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -164.40<br>356604258423,94.50<br>399262148488 | Sequence 19-24 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit5of7 (05) | 988 Secs (988 Secs)<br><br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 19-24 Non-Int in heptagram-visit5of7 (05)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit5of7 (05) | 2201 Secs (2201 Secs)<br><br>[==>] | [4] |





Proposal 15278 - heptagram-visit6of7 (06) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| Visit         | <p><b>Proposal 15278, heptagram-visit6of7 (06), completed</b> <span style="float: right;">Tue Jan 08 17:02:04 GMT 2019</span></p> <p><b>Diagnostic Status: Error</b></p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 162D TO 162 D; BETWEEN 2018.184:09:21:35 AND 2018.184:09:27:35; BETWEEN 2018.185:09:11:57 AND 2018.185:09:17:57; BETWEEN 2018.186:09:02:30 AND 2018.186:09:08:30; BETWEEN 2018.187:08:52:40 AND 2018.187:08:58:40; BETWEEN 2018.189:06:57:57 AND 2018.189:07:03:57; VISIBILITY INTERVAL 5715 S</p>  |   |                           |              |                       |   |      |                    |                          |        |               |     |                                 |   |                           |              |                       |
|---------------|--|---|---------------------------|--------------|-----------------------|---|------|--------------------|--------------------------|--------|---------------|-----|---------------------------------|---|---------------------------|--------------|-----------------------|
| Diagnostics   | <p>(heptagram-visit6of7 (06)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit6of7 (06)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p>  |   |                           |              |                       |   |      |                    |                          |        |               |     |                                 |   |                           |              |                       |
| Fixed Targets | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="136 816 241 849">#</th> <th data-bbox="241 816 472 849">Name</th> <th data-bbox="472 816 892 849">Target Coordinates</th> <th data-bbox="892 816 1228 849">Targ. Coord. Corrections</th> <th data-bbox="1228 816 1564 849">Fluxes</th> <th data-bbox="1564 816 2005 849">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="136 849 241 946">(1)</td> <td data-bbox="241 849 472 946">                     JWST-NEP-TDF<br/>                     Alt Name1: WTDF                 </td> <td data-bbox="472 849 892 946">                     RA: 17 22 47.8960 (260.6995667d)<br/>                     Dec: +65 49 21.54 (65.82265d)<br/>                     Equinox: J2000                 </td> <td data-bbox="892 849 1228 946">Epoch of Position: 2000.0</td> <td data-bbox="1228 849 1564 946">V=27.0+/-1.0</td> <td data-bbox="1564 849 2005 946">Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED<br/>                 Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |   |                           |              |                       | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | JWST-NEP-TDF<br>Alt Name1: WTDF | RA: 17 22 47.8960 (260.6995667d)<br>Dec: +65 49 21.54 (65.82265d)<br>Equinox: J2000 | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |
| #             | Name   | Target Coordinates  | Targ. Coord. Corrections  | Fluxes       | Miscellaneous         |   |      |                    |                          |        |               |     |                                 |   |                           |              |                       |
| (1)           | JWST-NEP-TDF<br>Alt Name1: WTDF  | RA: 17 22 47.8960 (260.6995667d)<br>Dec: +65 49 21.54 (65.82265d)<br>Equinox: J2000 | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |   |      |                    |                          |        |               |     |                                 |   |                           |              |                       |

Proposal 15278 - heptagram-visit6of7 (06) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.  | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|--|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -166.90<br>689625088845,74.22<br>662717610223 | Sequence 1-6 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit6of7 (06)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -166.90<br>689625088845,74.22<br>662717610223 | Sequence 1-6 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit6of7 (06)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |  | Sequence 1-6 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit6of7 (06)   | 2571 Secs (2571 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -166.70<br>689625088845,74.22<br>662717610223 | Sequence 1-6 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit6of7 (06)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -166.70<br>689625088845,74.22<br>662717610223 | Sequence 1-6 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit6of7 (06)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=8      |  | Sequence 1-6 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit6of7 (06)   | 2541 Secs (2541 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -166.90<br>689625088845,74.02<br>662717610223 | Sequence 7-12 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit6of7 (06) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |
|           | 8     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -166.90<br>689625088845,74.02<br>662717610223 | Sequence 7-12 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit6of7 (06) | 1248 Secs (1248 Secs)<br>[==>]  | [2]   |

Proposal 15278 - heptagram-visit6of7 (06) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

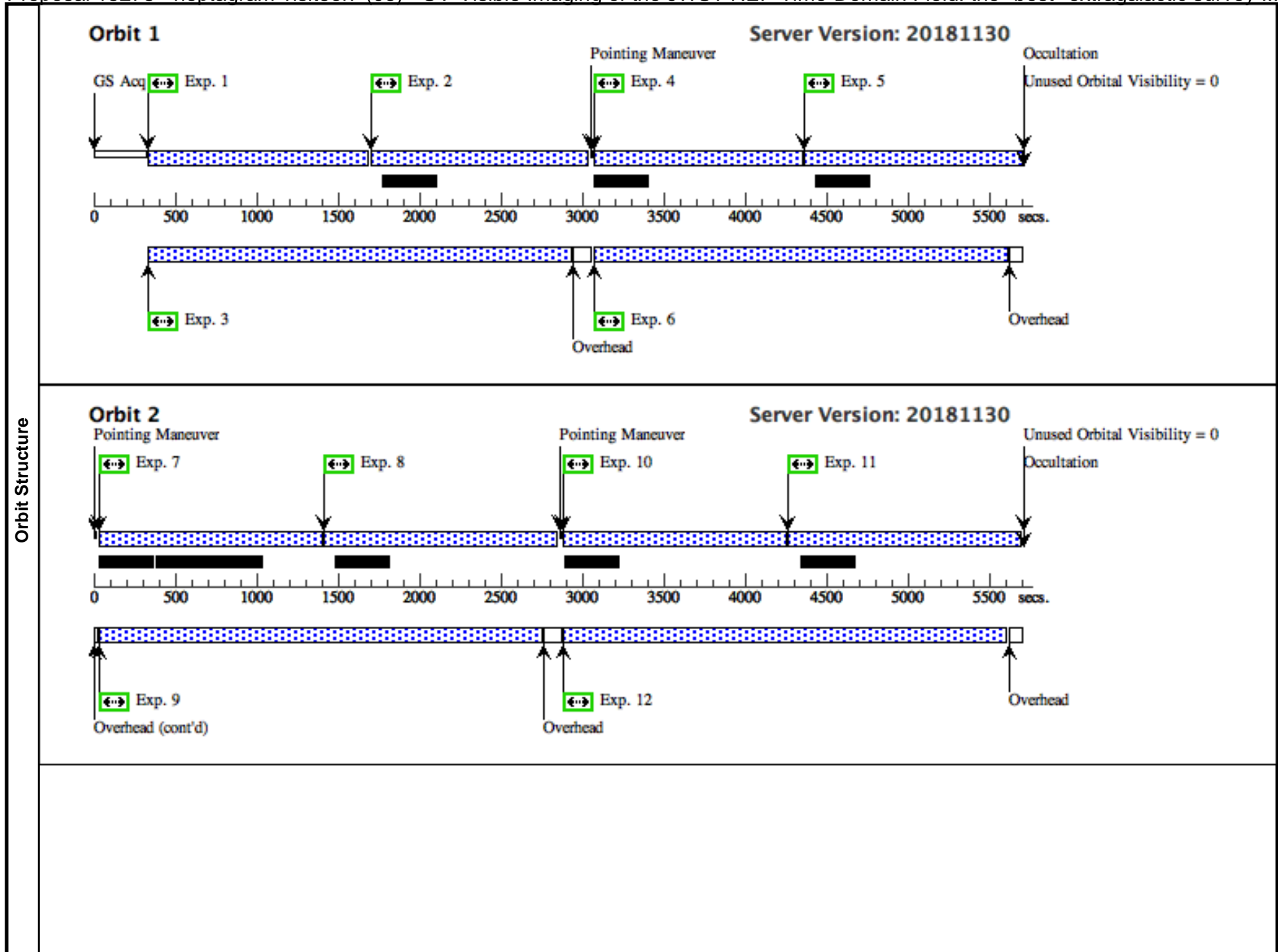
|    |                  |                          |       |  |  |                                |     |
|----|------------------|--------------------------|-------|--|--|--------------------------------|-----|
| 9  | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8  | Sequence 7-12 Non-Int in heptagram-visit6of7 (06)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit6of7 (06)     | 2722 Secs (2722 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W | POS TARG -166.70<br>689625088845,74.02<br>662717610223 | Sequence 7-12 Non-Int in heptagram-visit6of7 (06)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit6of7 (06)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W | POS TARG -166.70<br>689625088845,74.02<br>662717610223 | Sequence 7-12 Non-Int in heptagram-visit6of7 (06)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit6of7 (06)   | 1245 Secs (1245 Secs)<br>[==>] | [2] |
| 12 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8  | Sequence 7-12 Non-Int in heptagram-visit6of7 (06)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit6of7 (06)   | 2725 Secs (2725 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W | POS TARG -167.00<br>689625088845,74.32<br>662717610223 | Sequence 13-18 Non-Int in heptagram-visit6of7 (06)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit6of7 (06) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W | POS TARG -167.00<br>689625088845,74.32<br>662717610223 | Sequence 13-18 Non-Int in heptagram-visit6of7 (06)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit6of7 (06) | 1248 Secs (1248 Secs)<br>[==>] | [3] |
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=8  | Sequence 13-18 Non-Int in heptagram-visit6of7 (06)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit6of7 (06) | 2722 Secs (2722 Secs)<br>[==>] | [3] |

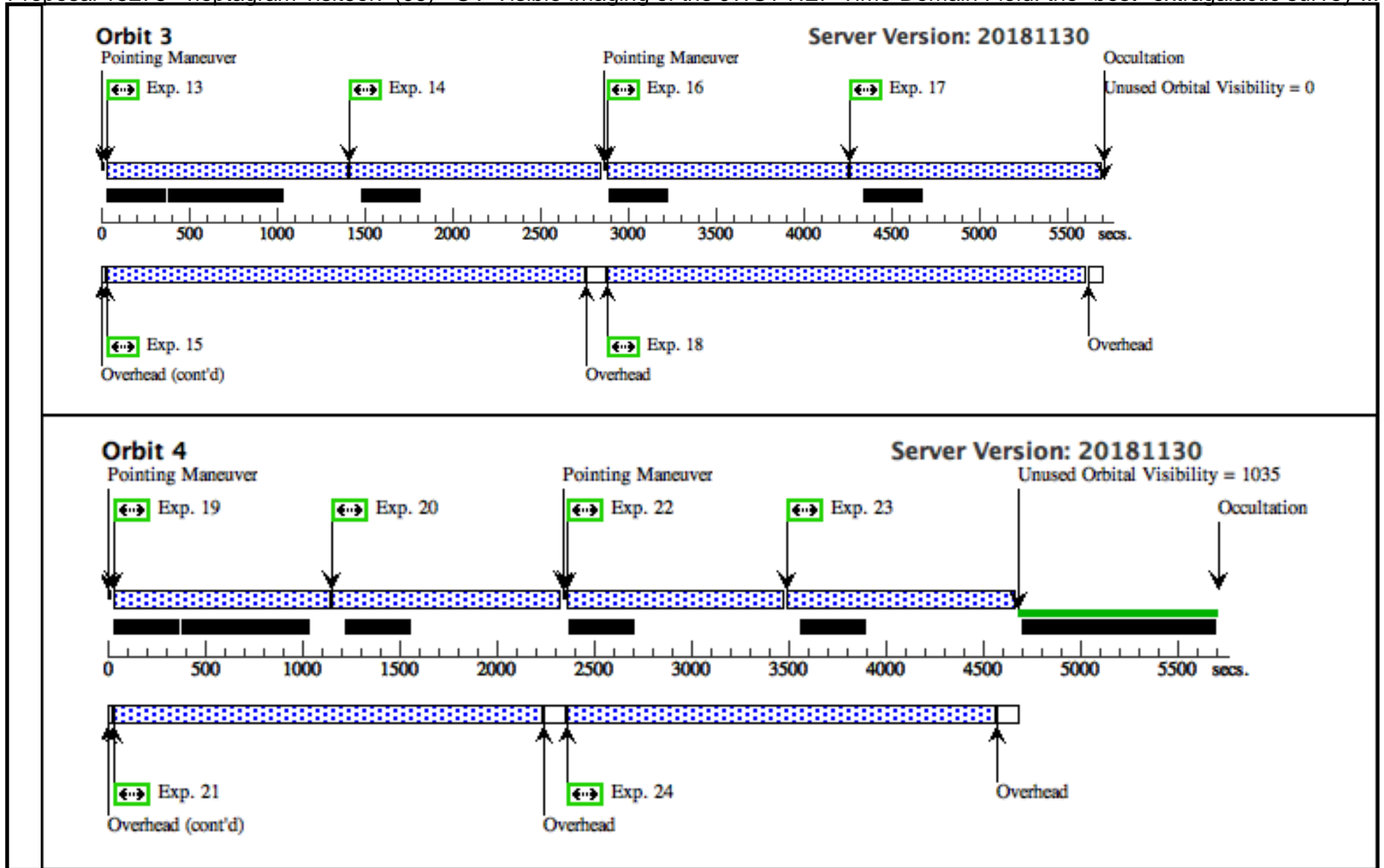
Proposal 15278 - heptagram-visit6of7 (06) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                |     |
|----|---|--|--|--------------------------------|-----|
| 16 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -166.80<br>689625088845,74.32<br>662717610223 | Sequence 13-18 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit6of7 (06) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -166.80<br>689625088845,74.32<br>662717610223 | Sequence 13-18 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit6of7 (06) | 1245 Secs (1245 Secs)<br>[==>] | [3] |
| 18 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 13-18 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit6of7 (06) | 2725 Secs (2725 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -167.00<br>689625088845,74.12<br>662717610223 | Sequence 19-24 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit6of7 (06) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -167.00<br>689625088845,74.12<br>662717610223 | Sequence 19-24 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit6of7 (06) | 988 Secs (988 Secs)<br>[==>]   | [4] |
| 21 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 19-24 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit6of7 (06) | 2201 Secs (2201 Secs)<br>[==>] | [4] |
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -166.80<br>689625088845,74.12<br>662717610223 | Sequence 19-24 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit6of7 (06) | 988 Secs (988 Secs)<br>[==>]   | [4] |

Proposal 15278 - heptagram-visit6of7 (06) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                    |     |
|----|---|--|--|------------------------------------|-----|
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -166.80<br>689625088845,74.12<br>662717610223 | Sequence 19-24 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit6of7 (06) | 988 Secs (988 Secs)<br><br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=8        |  | Sequence 19-24 Non-Int in heptagram-visit6of7 (06)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit6of7 (06) | 2201 Secs (2201 Secs)<br><br>[==>] | [4] |





Proposal 15278 - heptagram-visit7of7 (07) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| <b>Visit</b>  | <p><b>Proposal 15278, heptagram-visit7of7 (07), completed</b> <span style="float: right;">Tue Jan 08 17:02:05 GMT 2019</span></p> <p><b>Diagnostic Status: Error</b></p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 110D TO 110 D; BETWEEN 2018.237:07:19:53 AND 2018.237:07:25:53; BETWEEN 2018.238:07:10:15 AND 2018.238:07:16:15; BETWEEN 2018.239:05:25:13 AND 2018.239:05:31:13; BETWEEN 2018.240:05:15:31 AND 2018.240:05:21:31; BETWEEN 2018.241:05:05:48 AND 2018.241:05:11:48; VISIBILITY INTERVAL 5715 S</p> |   |                           |                          |                       |               |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |
|---|---|---|---------------------------|--------------------------|-----------------------|---------------|---|------|--------------------|--------------------------|--------|---------------|-----|--------------|----------------------------------|---------------------------|--------------|-----------------------|--|-----------------|-------------------------------|--|--|--|--|--|----------------|--|--|
|   | <b>Diagnostics</b>  | <p>(heptagram-visit7of7 (07)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(heptagram-visit7of7 (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> |                           |                          |                       |               |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |
| <b>Fixed Targets</b>  |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 25%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 10%;">Fluxes</th> <th style="width: 20%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF</td> <td>RA: 17 22 47.8960 (260.6995667d)</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: WTDF</td> <td>Dec: +65 49 21.54 (65.82265d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>   |                           |                          |                       |               | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | JWST-NEP-TDF | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |  | Alt Name1: WTDF | Dec: +65 49 21.54 (65.82265d) |  |  |  |  |  | Equinox: J2000 |  |  |
|   | #   | Name  | Target Coordinates        | Targ. Coord. Corrections | Fluxes                | Miscellaneous |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |
| (1)   | JWST-NEP-TDF  | RA: 17 22 47.8960 (260.6995667d)  | Epoch of Position: 2000.0 | V=27.0+/-1.0             | Reference Frame: ICRS |               |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |
|   | Alt Name1: WTDF   | Dec: +65 49 21.54 (65.82265d)   |                           |                          |                       |               |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |
|   |   | Equinox: J2000  |                           |                          |                       |               |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |
| <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED</p> <p>Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |   |   |                           |                          |                       |               |   |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |

Proposal 15278 - heptagram-visit7of7 (07) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.  | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|--|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -152.79<br>658566580812,84.17<br>297622999516 | Sequence 1-6 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit7of7 (07)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -152.79<br>658566580812,84.17<br>297622999516 | Sequence 1-6 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit7of7 (07)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=6      |  | Sequence 1-6 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in heptagram-visit7of7 (07)   | 2571 Secs (2571 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -152.59<br>658566580812,84.17<br>297622999516 | Sequence 1-6 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit7of7 (07)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -152.59<br>658566580812,84.17<br>297622999516 | Sequence 1-6 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit7of7 (07)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=6      |  | Sequence 1-6 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in heptagram-visit7of7 (07)   | 2512 Secs (2512 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -152.79<br>658566580812,83.97<br>297622999516 | Sequence 7-12 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit7of7 (07) | 1244 Secs (1244 Secs)<br>[==>]  | [2]   |
|           | 8     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -152.79<br>658566580812,83.97<br>297622999516 | Sequence 7-12 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit7of7 (07) | 1244 Secs (1244 Secs)<br>[==>]  | [2]   |

Proposal 15278 - heptagram-visit7of7 (07) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

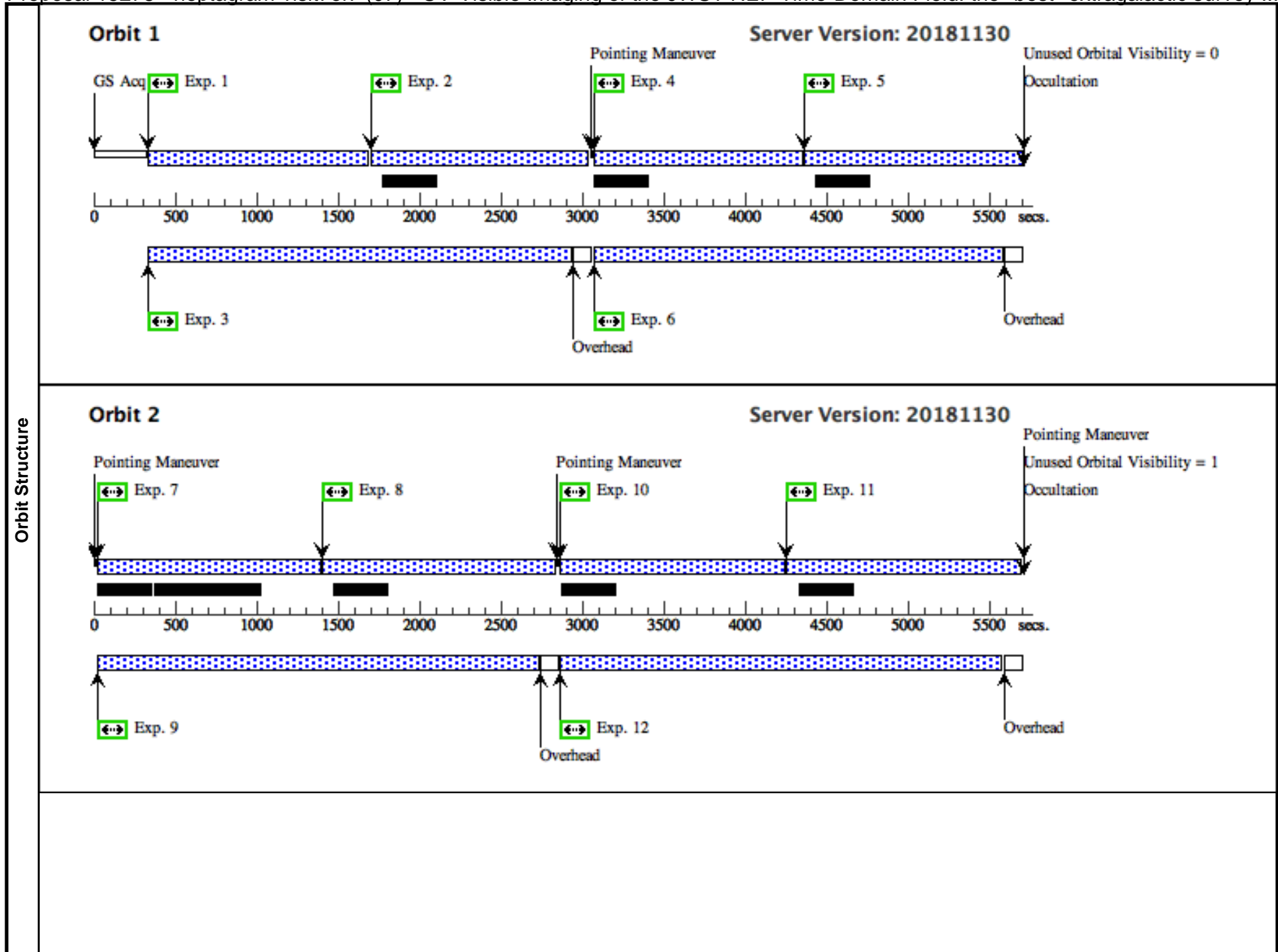
|    |                  |                          |       |         |  |  |                                |     |
|----|------------------|--------------------------|-------|---------|--|--|--------------------------------|-----|
| 9  | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |  | Sequence 7-12 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in heptagram-visit7of7 (07)     | 2714 Secs (2714 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -152.59 658566580812,83.97 297622999516 | Sequence 7-12 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit7of7 (07)   | 1254 Secs (1254 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -152.59 658566580812,83.97 297622999516 | Sequence 7-12 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit7of7 (07)   | 1254 Secs (1254 Secs)<br>[==>] | [2] |
| 12 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |  | Sequence 7-12 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in heptagram-visit7of7 (07)   | 2715 Secs (2715 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG -152.89 658566580812,84.27 297622999516 | Sequence 13-18 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit7of7 (07) | 1244 Secs (1244 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG -152.89 658566580812,84.27 297622999516 | Sequence 13-18 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit7of7 (07) | 1244 Secs (1244 Secs)<br>[==>] | [3] |
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |  | Sequence 13-18 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in heptagram-visit7of7 (07) | 2714 Secs (2714 Secs)<br>[==>] | [3] |

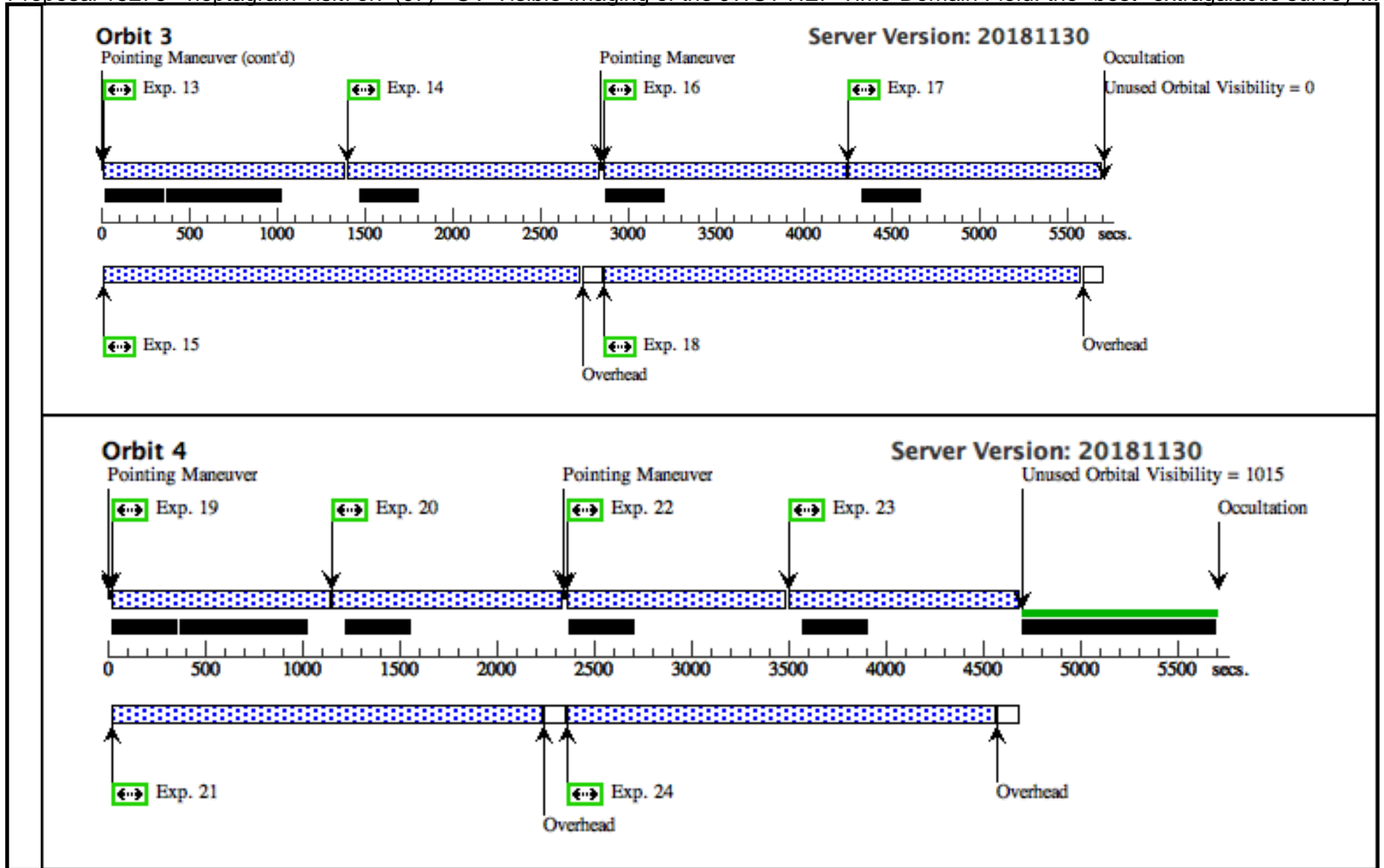
Proposal 15278 - heptagram-visit7of7 (07) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                |     |
|----|---|--|--|--------------------------------|-----|
| 16 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -152.69<br>658566580812,84.27<br>297622999516 | Sequence 13-18 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit7of7 (07) | 1255 Secs (1255 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -152.69<br>658566580812,84.27<br>297622999516 | Sequence 13-18 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit7of7 (07) | 1255 Secs (1255 Secs)<br>[==>] | [3] |
| 18 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |  | Sequence 13-18 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in heptagram-visit7of7 (07) | 2716 Secs (2716 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -152.89<br>658566580812,84.07<br>297622999516 | Sequence 19-24 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit7of7 (07) | 993 Secs (993 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -152.89<br>658566580812,84.07<br>297622999516 | Sequence 19-24 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit7of7 (07) | 993 Secs (993 Secs)<br>[==>]   | [4] |
| 21 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |  | Sequence 19-24 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in heptagram-visit7of7 (07) | 2212 Secs (2212 Secs)<br>[==>] | [4] |
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -152.69<br>658566580812,84.07<br>297622999516 | Sequence 19-24 Non-Int in heptagram-visit7of7 (07)<br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit7of7 (07) | 998 Secs (998 Secs)<br>[==>]   | [4] |

Proposal 15278 - heptagram-visit7of7 (07) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic survey ...

|    |   |  |  |                                    |     |
|----|---|--|--|------------------------------------|-----|
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -152.69<br>658566580812,84.07<br>297622999516 | Sequence 19-24 Non-Int in heptagram-visit7of7 (07)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit7of7 (07) | 998 Secs (998 Secs)<br><br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |  | Sequence 19-24 Non-Int in heptagram-visit7of7 (07)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in heptagram-visit7of7 (07) | 2202 Secs (2202 Secs)<br><br>[==>] | [4] |





Proposal 15278 - fieldcenter-acs-visit1of1 (08) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic sur...

| <b>Visit</b>  | <b>Proposal 15278, fieldcenter-acs-visit1of1 (08), completed</b> <span style="float: right;">Tue Jan 08 17:02:05 GMT 2019</span><br><b>Diagnostic Status: Error</b><br>Scientific Instruments: WFC3/UVIS, ACS/WFC<br>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 115D TO 115 D; BETWEEN 2018.236:07:29:29 AND 2018.236:07:35:29; VISIBILITY INTERVAL 5715 S   |                                  |                           |                          |                          |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
|---|--|----------------------------------|---------------------------|--------------------------|--------------------------|---------------|---------------|-----|--------------|----------------------------------|---------------------------|--------------|-----------------------|--|-----------------|-------------------------------|--|--|--|--|--|----------------|--|--|--|--|--|--|--|
|   | (fieldcenter-acs-visit1of1 (08)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.<br>(fieldcenter-acs-visit1of1 (08)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE   |                                  |                           |                          |                          |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
| <b>Diagnosics</b>   |  |                                  |                           |                          |                          |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
|   |  |                                  |                           |                          |                          |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
| <b>Fixed Targets</b>  | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF</td> <td>RA: 17 22 47.8960 (260.6995667d)</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: WTDF</td> <td>Dec: +65 49 21.54 (65.82265d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | #                                | Name                      | Target Coordinates       | Targ. Coord. Corrections | Fluxes        | Miscellaneous | (1) | JWST-NEP-TDF | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |  | Alt Name1: WTDF | Dec: +65 49 21.54 (65.82265d) |  |  |  |  |  | Equinox: J2000 |  |  |  |  |  |  |  |
|   | #  | Name                             | Target Coordinates        | Targ. Coord. Corrections | Fluxes                   | Miscellaneous |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
| (1)   | JWST-NEP-TDF   | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0             | Reference Frame: ICRS    |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
|   | Alt Name1: WTDF  | Dec: +65 49 21.54 (65.82265d)    |                           |                          |                          |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
|   |  | Equinox: J2000                   |                           |                          |                          |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |
| <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED<br/>                 Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |  |                                  |                           |                          |                          |               |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |  |  |  |  |

Proposal 15278 - fieldcenter-acsv1of1 (08) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic sur...

| #         | Label | Target           | Config,Mode,Aperture     | Spectral Els. | Opt. Params. | Special Reqs.      | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|--------------------------|---------------|--------------|--------------------|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG -0.1,-0.1 | Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 2     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG -0.1,-0.1 | Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)   | 1148 Secs (1148 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=6      |                    | Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)   | 2571 Secs (2571 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W         |              | POS TARG 0.1,-0.1  | Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 5     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG 0.1,-0.1  | Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)   | 1153 Secs (1153 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W         | FLASH=6      |                    | Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in fieldcenter-acsv1of1 (08)   | 2512 Secs (2512 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W         |              | POS TARG 0.1,0.1   | Sequence 7-12 Non-Int in fieldcenter-acsv1of1 (08)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in fieldcenter-acsv1of1 (08) | 1244 Secs (1244 Secs)<br>[==>]  | [2]   |

Proposal 15278 - fieldcenter-acs-visit1of1 (08) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic sur...

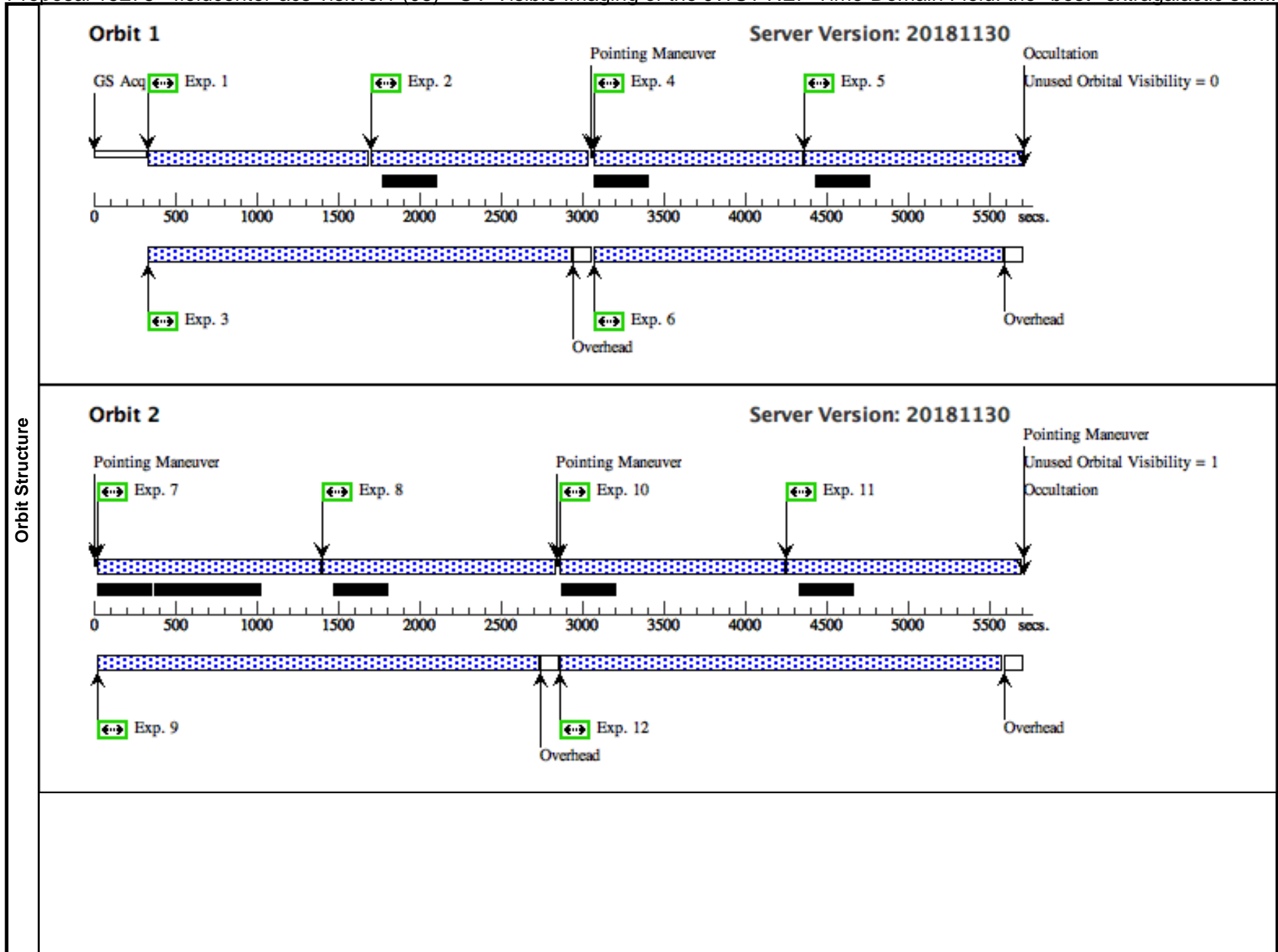
|    |   |                      |  |                                |     |
|----|---|----------------------|--|--------------------------------|-----|
| 8  | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG 0.1,0.1     | Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)     | 1244 Secs (1244 Secs)<br>[==>] | [2] |
| 9  | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |                      | Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)     | 2714 Secs (2714 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -0.1,0.1    | Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)   | 1254 Secs (1254 Secs)<br>[==>] | [2] |
| 11 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -0.1,0.1    | Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)   | 1254 Secs (1254 Secs)<br>[==>] | [2] |
| 12 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |                      | Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in fieldcenter-acs-visit1of1 (08)   | 2715 Secs (2715 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -0.02,-0.02 | Sequence 13-18 Non-Int in fieldcenter-acs-visit1of1 (08)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in fieldcenter-acs-visit1of1 (08) | 1244 Secs (1244 Secs)<br>[==>] | [3] |
| 14 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -0.02,-0.02 | Sequence 13-18 Non-Int in fieldcenter-acs-visit1of1 (08)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in fieldcenter-acs-visit1of1 (08) | 1244 Secs (1244 Secs)<br>[==>] | [3] |

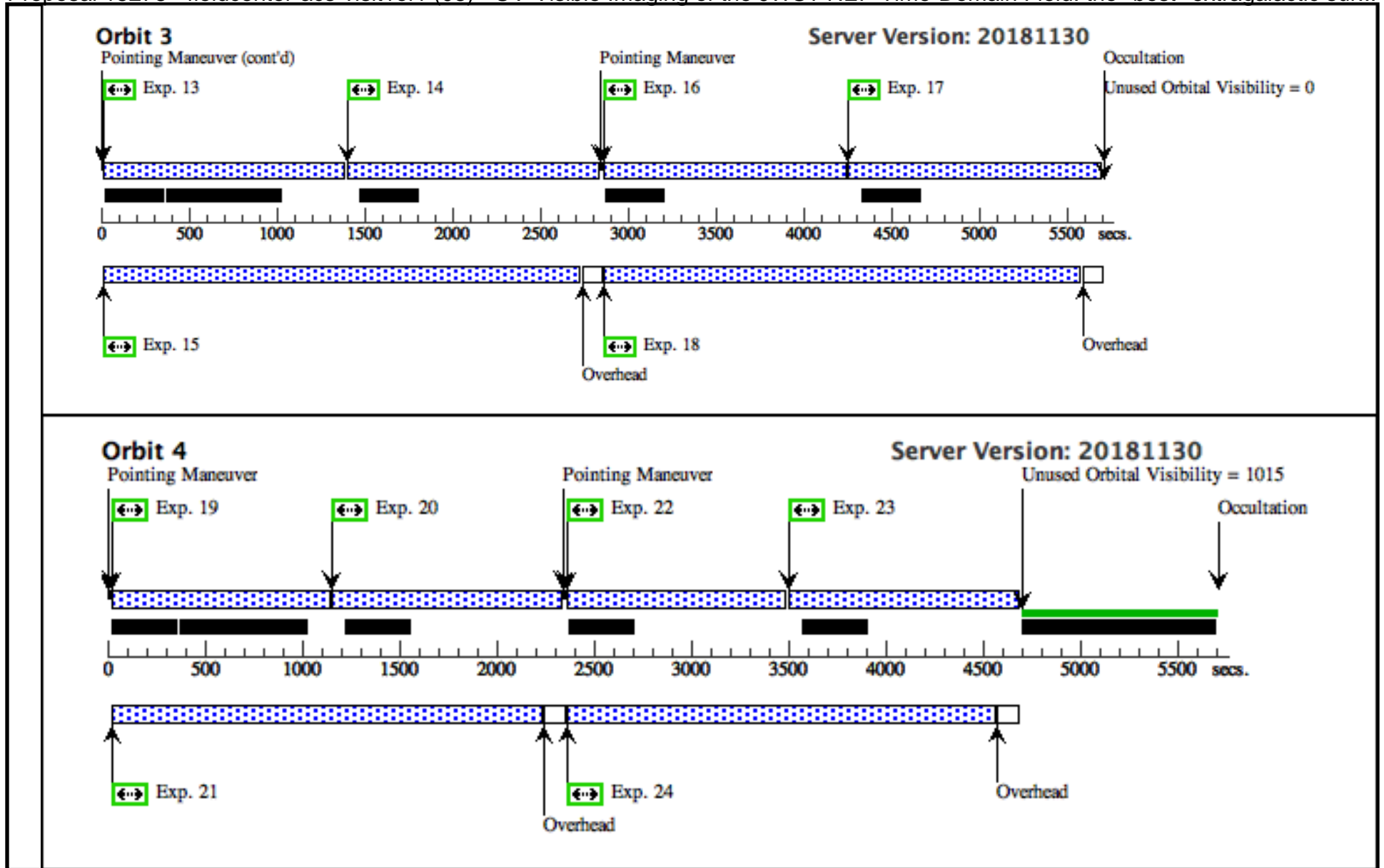
Proposal 15278 - fieldcenter-acsvisit1of1 (08) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic sur...

|    |                  |                          |       |         |                     |  |                                |     |
|----|------------------|--------------------------|-------|---------|---------------------|--|--------------------------------|-----|
| 15 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |                     | Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08) | 2714 Secs (2714 Secs)<br>[==>] | [3] |
| 16 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG 0.18,-0.02 | Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08) | 1255 Secs (1255 Secs)<br>[==>] | [3] |
| 17 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG 0.18,-0.02 | Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08) | 1255 Secs (1255 Secs)<br>[==>] | [3] |
| 18 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |                     | Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in fieldcenter-acsvisit1of1 (08) | 2716 Secs (2716 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F435W |         | POS TARG 0.18,0.18  | Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08) | 993 Secs (993 Secs)<br>[==>]   | [4] |
| 20 | (1) JWST-NEP-TDF | ACS/WFC, ACCUM, WFCENTER | F606W |         | POS TARG 0.18,0.18  | Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08) | 993 Secs (993 Secs)<br>[==>]   | [4] |
| 21 | ANY              | WFC3/UVIS, ACCUM, UVIS   | F275W | FLASH=6 |                     | Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08) | 2212 Secs (2212 Secs)<br>[==>] | [4] |

Proposal 15278 - fieldcenter-acsvisit1of1 (08) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic sur...

|    |   |                     |  |                                |     |
|----|---|---------------------|--|--------------------------------|-----|
| 22 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F606W | POS TARG -0.02,0.18 | Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08) | 998 Secs (998 Secs)<br>[==>]   | [4] |
| 23 | (1) JWST-NEP-TDF ACS/WFC, ACCUM, WFCENTER F435W | POS TARG -0.02,0.18 | Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08) | 998 Secs (998 Secs)<br>[==>]   | [4] |
| 24 | ANY WFC3/UVIS, ACCUM, UVIS F275W FLASH=6        |                     | Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08)<br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in fieldcenter-acsvisit1of1 (08) | 2202 Secs (2202 Secs)<br>[==>] | [4] |





Proposal 15278 - fieldcenter-wfc3-visit1of1 (09) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic su...

| <b>Visit</b>  | <b>Proposal 15278, fieldcenter-wfc3-visit1of1 (09), implementation</b> <span style="float: right;">Tue Jan 08 17:02:05 GMT 2019</span><br><b>Diagnostic Status: Error</b><br>Scientific Instruments: WFC3/UVIS, ACS/WFC<br>Special Requirements: BRIGHT EARTH AVOID 13.5D; ORIENT 295D TO 295 D; BETWEEN 2019.037:20:49:31 AND 2019.037:20:55:31; BETWEEN 2019.038:19:03:24 AND 2019.038:19:09:24; BETWEEN 2019.039:18:54:38 AND 2019.039:19:00:38; BETWEEN 2019.040:18:44:49 AND 2019.040:18:50:49; BETWEEN 2019.041:18:35:00 AND 2019.041:18:41:00; BETWEEN 2019.042:18:25:11 AND 2019.042:18:31:11; VISIBILITY INTERVAL 5715 S |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|---|---|----------------------------------|---------------------------|--------------------------|-----------------------|---------------|------|--------------------|--------------------------|--------|---------------|-----|--------------|----------------------------------|---------------------------|--------------|-----------------------|--|-----------------|-------------------------------|--|--|--|--|--|----------------|--|--|--|
|   | <b>Diagnosics</b><br>(fieldcenter-wfc3-visit1of1 (09)) Error (Form): The specified Bright Earth Avoidance angle is outside the permitted range.<br>(fieldcenter-wfc3-visit1of1 (09)) Warning (Orbit Planner): NO VISIBILITY TABLE CORRESPONDING TO BRIGHT EARTH AVOIDANCE ANGLE   |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| <b>Fixed Targets</b>  | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JWST-NEP-TDF</td> <td>RA: 17 22 47.8960 (260.6995667d)</td> <td>Epoch of Position: 2000.0</td> <td>V=27.0+/-1.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: WTDF</td> <td>Dec: +65 49 21.54 (65.82265d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>                                    |                                  |                           |                          |                       | #             | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | JWST-NEP-TDF | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0 | Reference Frame: ICRS |  | Alt Name1: WTDF | Dec: +65 49 21.54 (65.82265d) |  |  |  |  |  | Equinox: J2000 |  |  |  |
|   | #   | Name                             | Target Coordinates        | Targ. Coord. Corrections | Fluxes                | Miscellaneous |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| (1)   | JWST-NEP-TDF  | RA: 17 22 47.8960 (260.6995667d) | Epoch of Position: 2000.0 | V=27.0+/-1.0             | Reference Frame: ICRS |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|   | Alt Name1: WTDF   | Dec: +65 49 21.54 (65.82265d)    |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
|   |   | Equinox: J2000                   |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |
| <p><i>Comments: The target field is the central ~5' radius portion of the JWST North Ecliptic Pole (NEP) Time-Domain Field (TDF), for which allocated JWST GTO observations will provide both NIRCcam imaging and NIRISS slitless spectroscopy. This field was defined to be the cleanest &gt;10'x10' area in JWST's northern Continuous Viewing Zone (CVZ), where JWST will conduct a deep extragalactic time-domain survey, with added utility for extreme outer solar system and near-Galactic time-domain science. The JWST-NEP-TDF (or WTDF) is being developed as a *community field*. This HST program will provide contiguous 3-filter coverage in the UV-visible. The specified target coordinates (17:22:47.896, +65:49:21.54) are offset 90" W and ~14"S from the nominal JWST-NEP-TDF field center (17:23:02.55, +65:49:36.0) in Phase I following a detailed evaluation of suitable HST guide stars in the GSCv2.3. The JWST and Chandra field centers will be shifted to match that of HST.</i></p> <p>Category=UNIDENTIFIED<br/>                 Description=[HIGH LATITUDE FIELD, INFRARED EMITTER, OPTICAL EMITTER, ULTRAVIOLET EMITTER]</p> |   |                                  |                           |                          |                       |               |      |                    |                          |        |               |     |              |                                  |                           |              |                       |  |                 |                               |  |  |  |  |  |                |  |  |  |

Proposal 15278 - fieldcenter-wfc3-visit1of1 (09) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic su...

| #         | Label | Target           | Config,Mode,Aperture          | Spectral Els. | Opt. Params. | Special Reqs.      | Groups   | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------|-------------------------------|---------------|--------------|--------------------|--|---------------------------------|-------|
| Exposures | 1     | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM, UVIS-CENTER | F275W         | FLASH=6      | POS TARG -0.1,-0.1 | Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 2532 Secs (2532 Secs)<br>[==>]  | [1]   |
|           | 2     | ANY              | ACS/WFC, ACCUM, WFCENTER      | F435W         |              |                    | Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 1138 Secs (1138 Secs)<br>[==>]  | [1]   |
|           | 3     | ANY              | ACS/WFC, ACCUM, WFCENTER      | F606W         |              |                    | Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 1-3 in Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 1138 Secs (1138 Secs)<br>[==>]  | [1]   |
|           | 4     | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM, UVIS-CENTER | F275W         | FLASH=6      | POS TARG 0.1,-0.1  | Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 2532 Secs (2532 Secs)<br>[==>]  | [1]   |
|           | 5     | ANY              | ACS/WFC, ACCUM, WFCENTER      | F606W         |              |                    | Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 1163 Secs (1163 Secs)<br>[==>]  | [1]   |
|           | 6     | ANY              | ACS/WFC, ACCUM, WFCENTER      | F435W         |              |                    | Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 4-6 in Sequence 1-6 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 1163 Secs (1163 Secs)<br>[==>]  | [1]   |
|           | 7     | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM, UVIS-CENTER | F275W         | FLASH=6      | POS TARG 0.1,0.1   | Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 2705 Secs (2705 Secs)<br>[==>]  | [2]   |

Proposal 15278 - fieldcenter-wfc3-visit1of1 (09) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic su...

|    |                  |                               |       |         |                        |  |                                |     |
|----|------------------|-------------------------------|-------|---------|------------------------|--|--------------------------------|-----|
| 8  | ANY              | ACS/WFC, ACCUM, WFCENTER      | F435W |         |                        | Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)     | 1249 Secs (1249 Secs)<br>[==>] | [2] |
| 9  | ANY              | ACS/WFC, ACCUM, WFCENTER      | F606W |         |                        | Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 7-9 in Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)     | 1249 Secs (1249 Secs)<br>[==>] | [2] |
| 10 | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM, UVIS-CENTER | F275W | FLASH=6 | POS TARG -0.1,0.1      | Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 2705 Secs (2705 Secs)<br>[==>] | [2] |
| 11 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F606W |         |                        | Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 1250 Secs (1250 Secs)<br>[==>] | [2] |
| 12 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F435W |         |                        | Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 10-12 in Sequence 7-12 Non-Int in fieldcenter-wfc3-visit1of1 (09)   | 1249 Secs (1249 Secs)<br>[==>] | [2] |
| 13 | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM, UVIS-CENTER | F275W | FLASH=6 | POS TARG -0.025,-0.025 | Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 2705 Secs (2705 Secs)<br>[==>] | [3] |
| 14 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F435W |         |                        | Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 1249 Secs (1249 Secs)<br>[==>] | [3] |

Proposal 15278 - fieldcenter-wfc3-visit1of1 (09) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic su...

|    |                  |                               |       |         |                       |  |                                |     |
|----|------------------|-------------------------------|-------|---------|-----------------------|--|--------------------------------|-----|
| 15 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F606W |         |                       | Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 13-15 in Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 1249 Secs (1249 Secs)<br>[==>] | [3] |
| 16 | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM, UVIS-CENTER | F275W | FLASH=6 | POS TARG 0.125,-0.025 | Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 2705 Secs (2705 Secs)<br>[==>] | [3] |
| 17 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F606W |         |                       | Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 1250 Secs (1250 Secs)<br>[==>] | [3] |
| 18 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F435W |         |                       | Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 16-18 in Sequence 13-18 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 1249 Secs (1249 Secs)<br>[==>] | [3] |
| 19 | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM, UVIS-CENTER | F275W | FLASH=6 | POS TARG 0.175,0.175  | Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 2208 Secs (2208 Secs)<br>[==>] | [4] |
| 20 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F435W |         |                       | Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 987 Secs (987 Secs)<br>[==>]   | [4] |
| 21 | ANY              | ACS/WFC, ACCUM, WFCENTER      | F606W |         |                       | Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br>Prime + Parallel Group 19-21 in Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 987 Secs (987 Secs)<br>[==>]   | [4] |

Proposal 15278 - fieldcenter-wfc3-visit1of1 (09) - UV-Visible Imaging of the JWST NEP Time-Domain Field: the \*best\* extragalactic su...

|    |                  |                                  |       |         |                           |  |                                    |     |
|----|------------------|----------------------------------|-------|---------|---------------------------|--|------------------------------------|-----|
| 22 | (1) JWST-NEP-TDF | WFC3/UVIS, ACCUM,<br>UVIS-CENTER | F275W | FLASH=6 | POS TARG -0.025,0<br>.175 | Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 2206 Secs (2206 Secs)<br><br>[==>] | [4] |
| 23 | ANY              | ACS/WFC, ACCUM, WFCENTER         | F606W |         |                           | Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 1000 Secs (1000 Secs)<br><br>[==>] | [4] |
| 24 | ANY              | ACS/WFC, ACCUM, WFCENTER         | F435W |         |                           | Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09)<br><br>Prime + Parallel Group 22-24 in Sequence 19-24 Non-Int in fieldcenter-wfc3-visit1of1 (09) | 1000 Secs (1000 Secs)<br><br>[==>] | [4] |

