



17686 - WFC3 UVIS Grism Wavelength Calibration

Cycle: 32, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> |
|------------------------------------|--|
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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) WR14 | WFC3/UVIS | 1 | 27-Aug-2024 10:00:22.0 | yes |

1 Total Orbits Used

ABSTRACT

Observations of the wavelength calibrator WR-14. The target is placed near the center of each CHIP for continuing monitoring of calibration at these locations. The target is also placed at a previously observed position on CHIP2 to compare with previous wavelength solutions. The exposure times are 0.5s for the imaging, 2.5s for the G280 exposures.

Monitoring positions (POSTARGS) are:

[0 30] - CHIP 1

[0 -49] - CHIP 2

Proposal 17686 (STScI Edit Number: 0, Created: Tuesday, August 27, 2024, 9:00:23AM Eastern Standard Time) - Overview

Additional position (POSTARGS) is:

[60 -49] - CHIP 2

OBSERVING DESCRIPTION

Calibrator is moved across the field of view and observed using F200LP, F300X, and G280

Proposal 17686 - 60 -49 AMP D and 0 -49 AMP D and 0 30 AMP B (01) - WFC3 UVIS Grism Wavelength Calibration

Tue Aug 27 14:00:23 GMT 2024

| | | | | | | |
|---|---|--|--|---|---------------|-------------------------|
| Visit | Proposal 17686, 60 -49 AMP D and 0 -49 AMP D and 0 30 AMP B (01) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 04-NOV-2024:00:00:00 AND 03-NOV-2025:00:00:00 | | | | | |
| | Diagnosics (Chip 2 UC F200LP (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 2 UC F300X (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 2 UC G280 (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 2 UC F200LP (01.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 2 UC F300X (01.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 2 UC G280 (01.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 1 UC F200LP (01.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 1 UC F300X (01.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Chip 1 UC G280 (01.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | |
| Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (3), (6), (9) | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
| | (1) | WR14 Alt Name1: HD76536 | RA: 08 54 59.1671 (133.7465296d) Dec: -47 35 32.66 (-47.59241d) Equinox: J2000 | Proper Motion RA: -4.528 mas/yr Proper Motion Dec: 5.395 mas/yr Epoch of Position: 2000 | V=8.8 | Reference Frame: SIMBAD |
| Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[WOLF RAYET - WC] | | | | | | |

Proposal 17686 - 60 -49 AMP D and 0 -49 AMP D and 0 30 AMP B (01) - WFC3 UVIS Grism Wavelength Calibration

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|-------------------------------|----------------------------|---------------|--|-----------------|---|---|-------|
| Exposures | 1 | Chip 2 UC F (1) WR14 200LP | WFC3/UVIS, ACCUM, G280-REF | F200LP | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=D | POS TARG 60,-49 | | 0.5 Secs (0.5 Secs) [==>] | [1] |
| | 2 | Chip 2 UC F (1) WR14 300X | WFC3/UVIS, ACCUM, G280-REF | F300X | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=D | POS TARG 60,-49 | | 0.5 Secs (0.5 Secs) [==>] | [1] |
| | 3 | Chip 2 UC (1) WR14 G280 | WFC3/UVIS, ACCUM, UVIS | G280 | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=D | POS TARG 60,-49 | Pattern 1, Exps 3-3 i n 60 -49 AMP D and 0 -49 AMP D and 0 30 AMP B (01) (1) | 2.5 Secs (5 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| | 4 | Chip 2 UC F (1) WR14 200LP | WFC3/UVIS, ACCUM, G280-REF | F200LP | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=D | POS TARG 0,-49 | | 0.5 Secs (0.5 Secs) [==>] | [1] |
| | 5 | Chip 2 UC F (1) WR14 300X | WFC3/UVIS, ACCUM, G280-REF | F300X | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=D | POS TARG 0,-49 | | 0.5 Secs (0.5 Secs) [==>] | [1] |
| | 6 | Chip 2 UC (1) WR14 G280 | WFC3/UVIS, ACCUM, UVIS | G280 | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=D | POS TARG 0,-49 | Pattern 1, Exps 6-6 i n 60 -49 AMP D and 0 -49 AMP D and 0 30 AMP B (01) (1) | 2.5 Secs (5 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| | 7 | Chip 1 UC F (1) WR14 200LP | WFC3/UVIS, ACCUM, G280-REF | F200LP | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=B | POS TARG 0,30 | | 0.5 Secs (0.5 Secs) [==>] | [1] |
| | 8 | Chip 1 UC F (1) WR14 300X | WFC3/UVIS, ACCUM, G280-REF | F300X | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=B | POS TARG 0,30 | | 0.5 Secs (0.5 Secs) [==>] | [1] |
| | 9 | Chip 1 UC (1) WR14 G280 | WFC3/UVIS, ACCUM, UVIS | G280 | CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=T ARGET; AMP=B | POS TARG 0,30 | Pattern 1, Exps 9-9 i n 60 -49 AMP D and 0 -49 AMP D and 0 30 AMP B (01) (1) | 2.5 Secs (5 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |

