17966 - WFC3 UVIS Grism Wavelength Calibration

Cycle: 33, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

Name	*Institution*
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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) WR14	WFC3/UVIS	1	06-Aug-2025 10:00:15.0	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

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.

Visit

Proposal 17966, 60 -49 AMP D and 0 -49 AMP D and 0 30 AMP B (01) Wed Aug 06 14:00:15 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 04-NOV-2025:00:00:00 AND 03-NOV-2026:00:00:00

Diagnostics

(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	RA: 08 54 59.1671 (133.7465296d)	Proper Motion RA: -4.528 mas/yr	V=8.8	Reference Frame: SIMBAD
	Alt Name1: HD76536	Dec: -47 35 32.66 (-47.59241d)	Proper Motion Dec: 5.395 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[WOLF RAYET - WC]

Exposures

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

Orbit Structure