14026 - WFC3 UVIS Grisms flux and trace calibration stability

Cycle: 22, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
Dr. Gabriel Brammer (PI) (ESA Member) (Contact)	**Space Telescope Science Institute - ESA**	**brammer@stsci.edu**
Dr. Norbert Pirzkal (CoI)	Space Telescope Science Institute	npirzkal@stsci.edu

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) GD-71	WFC3/UVIS	1	03-Oct-2014 21:26:25.0	yes
02	(1) GD-71	WFC3/UVIS	1	03-Oct-2014 21:26:29.0	yes

2 Total Orbits Used

ABSTRACT

Flux calibration of the UVIS CHIP1 and CHIP2 using GD-71 as a calibrator. This program monitors the stability of the calibrations determined from previous cycles (13577 in Cycle 21).

OBSERVING DESCRIPTION

Three (3) positions on each CHIP will repeat (critical as they show +1 and -1 orders) previously observed position and verify the stability of this mode.

Visit

Proposal 14026, Visit 01 Sat Oct 04 01:26:31 GMT 2014

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: (none)

Diagnostics

(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR

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Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(3), (6), (9)

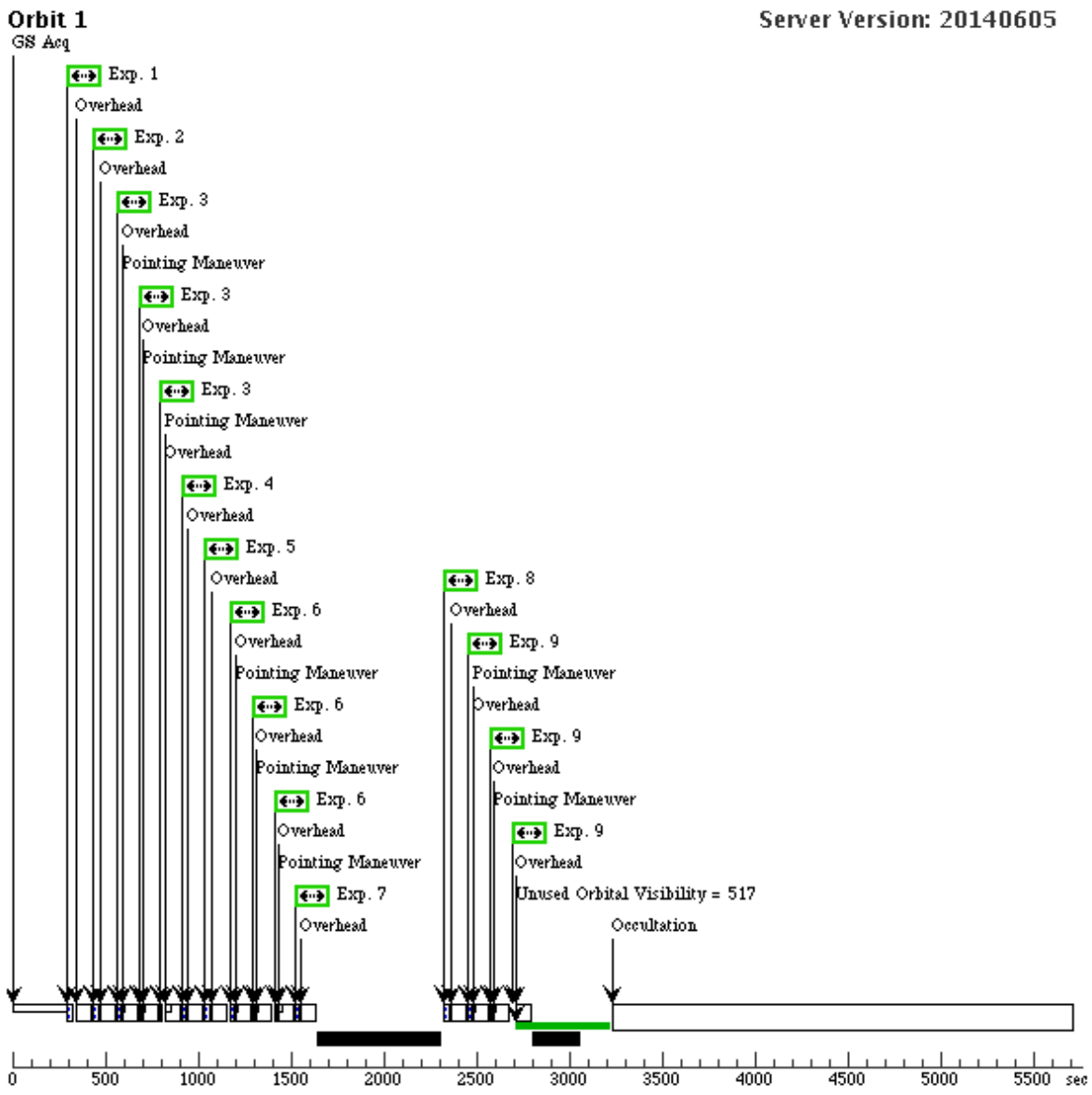
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	GD-71	RA: 05 52 27.6300 (88.1151250d) Dec: +15 53 13.37 (15.88705d) Equinox: J2000		V=13.06	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Chip 1 UC F 200LP	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F200LP	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,45.0		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
2	Chip 1 UC F 300X	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F300X	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,45.0		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
3	Chip 1 UC G280	(1) GD-71	WFC3/UVIS, ACCUM, UVIS	G280	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,45.0	Pattern 1, Exps 3-3 in Visit 01 (1)	10 Secs (30 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[1]***
4	Chip 1 C F200LP	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F200LP	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,5.0		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
5	Chip 1 C F300X	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F300X	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,5		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
6	Chip 1 C G280	(1) GD-71	WFC3/UVIS, ACCUM, UVIS	G280	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,5	Pattern 1, Exps 6-6 in Visit 01 (1)	10 Secs (30 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[1]***
7	Chip 1 LC F 200LP	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F200LP	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,30		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
8	Chip 1 LC F 300X	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F300X	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,30		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
9	Chip 1 LC G280	(1) GD-71	WFC3/UVIS, ACCUM, UVIS	G280	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=B	POS TARG 0.0,30	Pattern 1, Exps 9-9 in Visit 01 (1)	10 Secs (30 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[1]***

Orbit Structure



Proposal 14026 - Visit 02 - WFC3 UVIS Grisms flux and trace calibration stability

Visit

Proposal 14026, Visit 02 — Sat Oct 04 01:26:32 GMT 2014

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: (none)

Diagnostics

(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR
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Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	GD-71	RA: 05 52 27.6300 (88.1151250d) Dec: +15 53 13.37 (15.88705d) Equinox: J2000		V=13.06	Reference Frame: ICRS

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) GD-71	WFC3/UVIS, ACCUM, G280-REF	F200LP	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-25.0		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
2	Chip 2 UC F 300X	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F300X	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-25.0		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
3	Chip 1 UC G280	(1) GD-71	WFC3/UVIS, ACCUM, UVIS	G280	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-25.0	Pattern 1, Exps 3-3 in Visit 02 (1)	10 Secs (30 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[1]***
4	Chip 2 C F200LP	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F200LP	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-80		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
5	Chip 2 C F300X	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F300X	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-80		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
6	Chip 1 C G280	(1) GD-71	WFC3/UVIS, ACCUM, UVIS	G280	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-80	Pattern 1, Exps 6-6 in Visit 02 (1)	10 Secs (30 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[1]***
7	Chip 2 LC F 200LP	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F200LP	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-50		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
8	Chip 2 LC F 300X	(1) GD-71	WFC3/UVIS, ACCUM, G280-REF	F300X	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-50		0.5 Secs (0.5 Secs) *[==>]*	***[1]***
9	Chip 1 LC G280	(1) GD-71	WFC3/UVIS, ACCUM, UVIS	G280	CR-SPLIT=NO; SIZEAXIS2=768; CENTERAXIS2=TARGET; AMP=D	POS TARG 0.0,-50	Pattern 1, Exps 9-9 in Visit 02 (1)	10 Secs (30 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[1]***

Orbit Structure