13726 - Scattered light imaging of Fomalhaut's ice line belt to understand dynamical upheavals in planetary systems

Cycle: 22, Proposal Category: GO

(Availability Mode: AVAILABLE)

INVESTIGATORS

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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	(2) V-ALF-LYR	STIS/CCD	1	09-Sep-2014 21:21:05.0	yes
02	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:10.0	yes
03	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:15.0	yes
04	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:20.0	yes
05	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:24.0	yes
06	(2) V-ALF-LYR	STIS/CCD	1	09-Sep-2014 21:21:29.0	yes
07	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:34.0	yes
08	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:38.0	yes
09	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:43.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
10	(3) NAME-FOMALHAUT-COPY	STIS/CCD	1	09-Sep-2014 21:21:47.0	yes

10 Total Orbits Used

ABSTRACT

The dynamical history of the solar system in the first gigayear is thought to be complex and violent, with fossil evidence pointing to events such as the Late Heavy Bombardment and the formation of the Moon via a giant impact. The study of extrasolar planetary systems has also revealed tracers of vigorous dynamical evolution, such as the existence of hot Jupiters and cases of highly eccentric planet orbits. The closest planetary system with evidence of complex dynamics is Fomalhaut at 7.7 pc. Fomalhaut has two dusty debris belts - the cold belt at 140 AU imaged with HST and other facilities, and a warmer, ice-line belt at 8-12 AU which has not been resolved yet. Fomalhaut b has a highly eccentric orbit with periastron occurring a century ago at ~10 AU, and which is currently located at ~125 AU on its way to apastron at ~300 AU. Fomalhaut b may have been recently scattered outward by a more massive planet near the ice line belt, or inward by an outer planet close to the cold belt. If the dynamical upheaval occurred in the ~10 AU region, then the ice-line belt could have an asymmetric morphology. We propose a STIS imaging program optimized for detecting the ice line belt in scattered light for the first time. Concurrently, we will obtain deeper images with STIS to detect Fomalhaut b in 2015. This astrometric point is extremely valuable in constraining Fomalhaut b's orbital elements. In particular, its periastron distance and coplanarity with the belts are crucial elements in determining the likely location and mechanism for the system's dynamical upheaval.

OBSERVING DESCRIPTION

Our goal is to detect dust scattered light from Fomalhaut's ice line belt at ~10 AU radius (1.3") and detect Fomalhaut b at 13.6" projected radius.

ICE LINE BELT: For the purpose of planning the observations, we assume the ice line belt is a narrow width structure located somewhere in the range between 8 and 10 AU radius, with an inclination to the line of sight and position angle identical to that of the 140 AU belt. The maximum that the HST roll angle orientation can be changed is 30 deg. This will lead to significant self-subtraction of the belt and therefore requires a PSF reference star. We will use WEDGEB1.0 for the ice-line belt imaging.
We also use a subarray of size 230 pixels to minimize readout time overhead.

FOMALHAUT b: Within each orbit (one visit = one orbit), after WEDGEB1.0 exposures, we move to WEDGEB2.5 for deeper exposures (30 seconds) aimed at detecting Fomalhaut b. Knowledge of previous Fomalhaut STIS data allows us to orient the telescope such that Fomalhaut b will

land in an azimuthal region that is relatively clean from residual scattered light artifacts. To improve observing efficiency we use a subarray size of 700 pixels. Since the wedge midline is at Y=305, we request the available but not supported CENTERAXIS2=350, which was used in GO-12923.

ORBIT STRATEGY: Accurate PSF subtraction requires that the PSF star is observed in a consecutive orbit with the Fomalhaut observations. However, only 4-5 orbits can be scheduled in a continuous sequence. Therefore we plan on two sequences of four orbits on Fomalhaut and one orbit on the PSF reference Vega. Initially we wished to insert the PSF observation in the middle of each 4-orbit Fomalhaut sequence. However, due to scheduling constraints, the observations of the PSF star was moved to the beginning of each sequence. The problem was that the PSF star in the middle of the sequence resulted in a wasted orbit (no data taken) due to the time it takes to slew the telescope between Vega and Fomalhaut.

ORIENTs: Due to scheduling constraints, the initial absolute ORIENT for the Fomalhaut sequence was limited to ORIENT=15 degrees, and the maximum ORIENT FROM that is feasible is 26 degrees.

Visit

Proposal 13726, VEGA-PSF (01), scheduling Wed Sep 10 01:21:49 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: SEQ 01,02,03,04,05 WITHIN 5 Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-ALF-LYR	RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000	Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Parallax: 0.13023" Epoch of Position: 2000.0	V=0.03	Reference Frame: ICRS

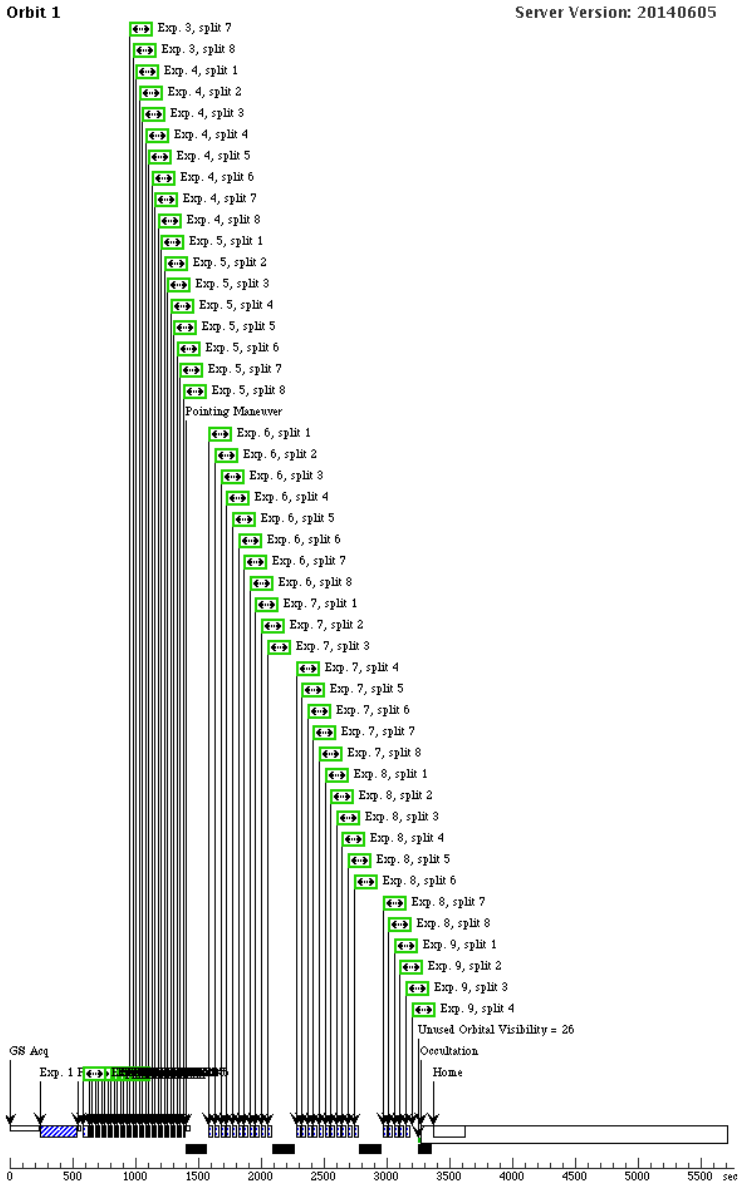
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-ALF-LYR	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		0.7 Secs (0.7 Secs)	
								[==>]	***[1]***
2		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230; CENTERAXIS2=TARGET			0.8 Secs (0.8 Secs)	
								[==>(Split 1)]	***[1]***
								[==>(Split 2)]	
								[==>(Split 3)]	
								[==>(Split 4)]	
								[==>(Split 5)]	
								[==>(Split 6)]	
								[==>(Split 7)]	
								[==>(Split 8)]	
3		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230; CENTERAXIS2=TARGET			0.8 Secs (0.8 Secs)	
								[==>(Split 1)]	***[1]***
								[==>(Split 2)]	
								[==>(Split 3)]	
								[==>(Split 4)]	
								[==>(Split 5)]	
								[==>(Split 6)]	
								[==>(Split 7)]	
								[==>(Split 8)]	
4		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230; CENTERAXIS2=TARGET			0.8 Secs (0.8 Secs)	
								[==>(Split 1)]	***[1]***
								[==>(Split 2)]	
								[==>(Split 3)]	
								[==>(Split 4)]	
								[==>(Split 5)]	
								[==>(Split 6)]	
								[==>(Split 7)]	
								[==>(Split 8)]	
5		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230; CENTERAXIS2=TARGET			0.8 Secs (0.8 Secs)	
								[==>(Split 1)]	***[1]***
								[==>(Split 2)]	
								[==>(Split 3)]	
								[==>(Split 4)]	
								[==>(Split 5)]	
								[==>(Split 6)]	
								[==>(Split 7)]	
								[==>(Split 8)]	

	6	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	80 Secs (80 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	7	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	80 Secs (80 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	8	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	80 Secs (80 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	9	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=4; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	40 Secs (40 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 02, scheduling Wed Sep 10 01:21:49 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 17D TO 17.1 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

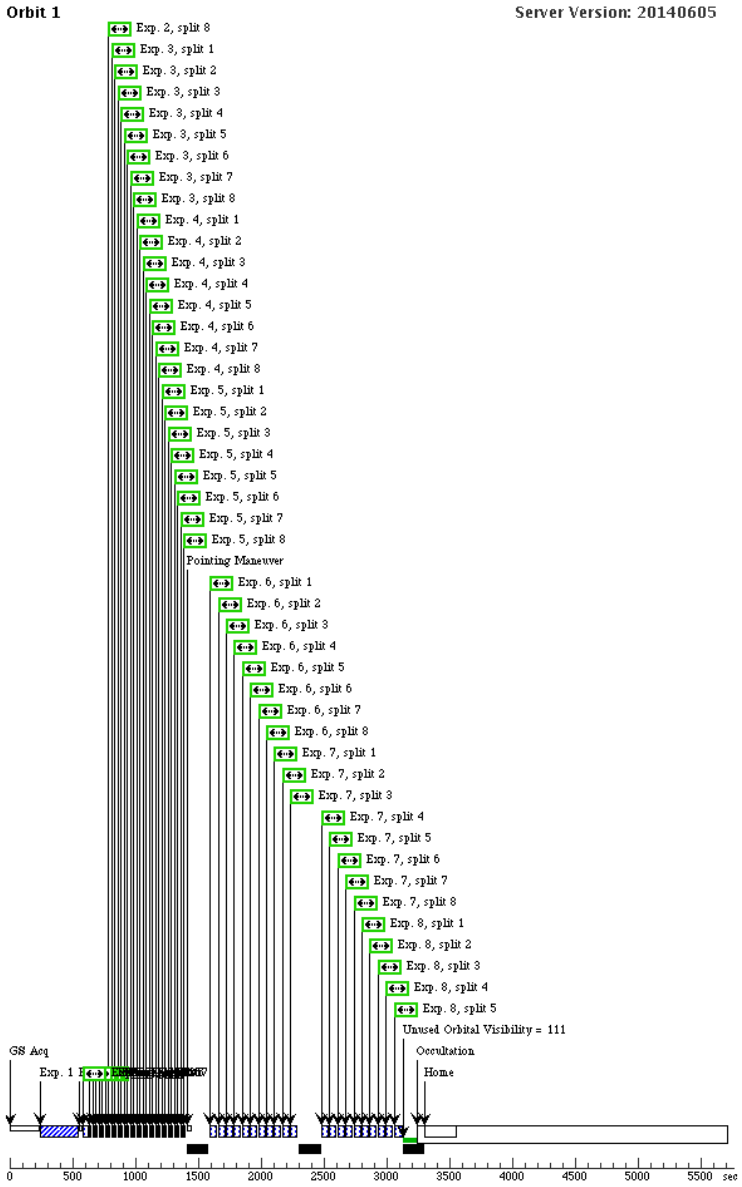
Comments: Not sure if the GSC1 Plate reference frame continues to be necessary. This was how Fomalhaut was handled in previous Cycles. This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	 ***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 03, scheduling Wed Sep 10 01:21:50 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 18.0D TO 18.0D FROM 02

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

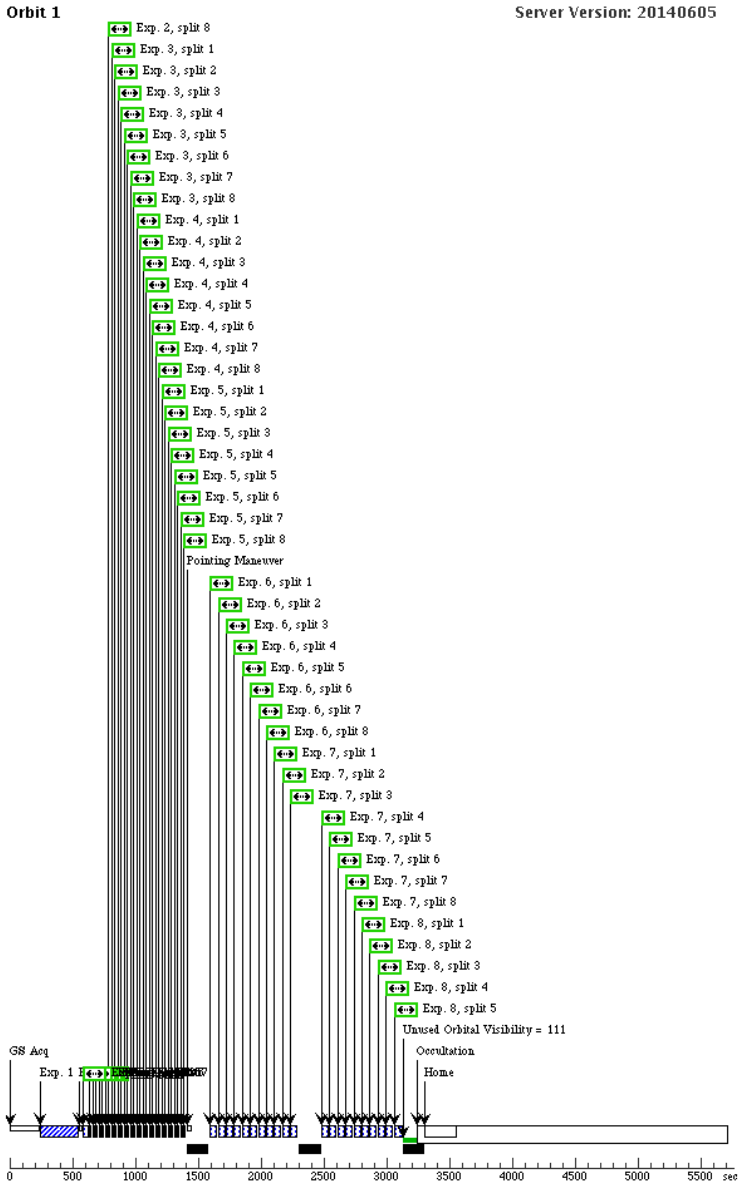
Comments: Not sure if the GSC1 Plate reference frame continues to be necessary. This was how Fomalhaut was handled in previous Cycles. This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	 ***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 04, scheduling Wed Sep 10 01:21:50 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 9.0D TO 9.0D FROM 02

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

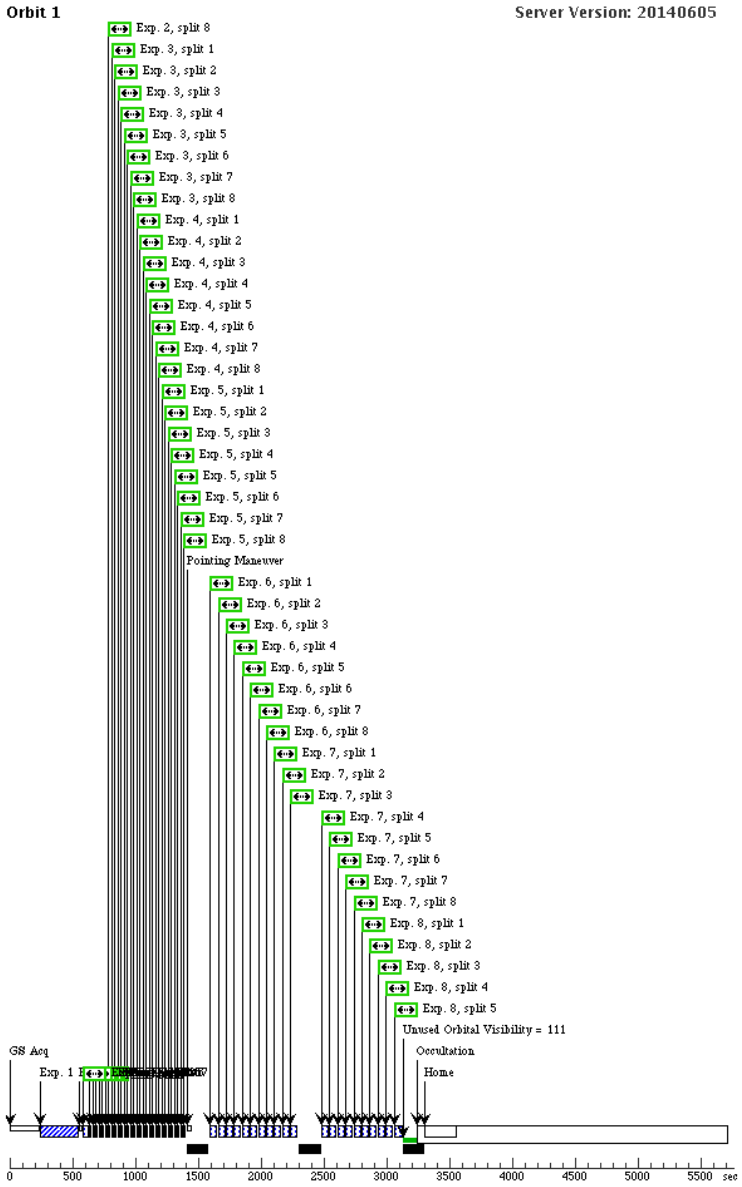
Comments: Not sure if the GSC1 Plate reference frame continues to be necessary. This was how Fomalhaut was handled in previous Cycles. This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	 ***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 05, scheduling Wed Sep 10 01:21:50 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 26.0D TO 26.0D FROM 02

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

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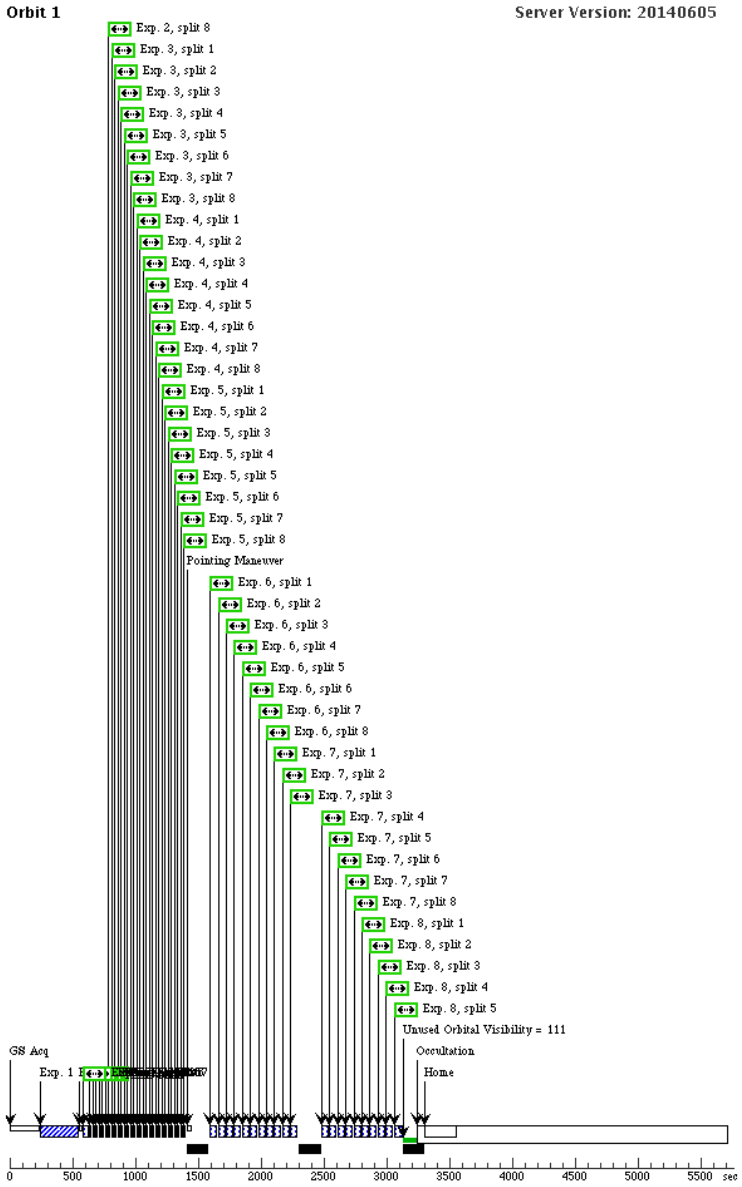
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	 ***[1]***

Orbit Structure



Visit

Proposal 13726, VEGA-PSF (06), scheduling Wed Sep 10 01:21:50 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 20D TO 30D FROM 01; AFTER_05 BY 0 D TO 1 D; SEQ 06,07,08,09,10 WITHIN 5_Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-ALF-LYR	RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000	Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Parallax: 0.13023" Epoch of Position: 2000.0	V=0.03	Reference Frame: ICRS

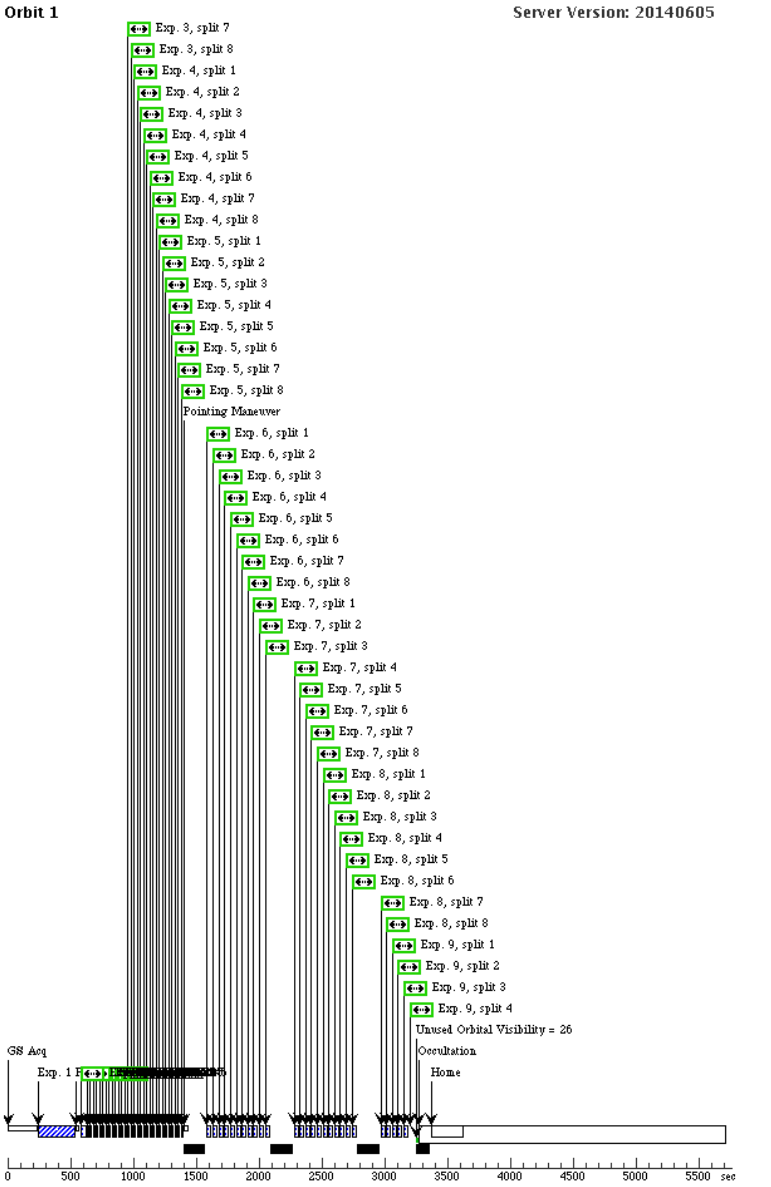
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-ALF-LYR	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		0.7 Secs (0.7 Secs) *[==>]*	 ***[1]***
2		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			0.8 Secs (0.8 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
3		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			0.8 Secs (0.8 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
4		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			0.8 Secs (0.8 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
5		(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			0.8 Secs (0.8 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***

	6	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	80 Secs (80 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	7	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	80 Secs (80 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	8	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	80 Secs (80 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	9	(2) V-ALF-LYR	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=4; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	40 Secs (40 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 07, scheduling Wed Sep 10 01:21:50 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 15D TO 15 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

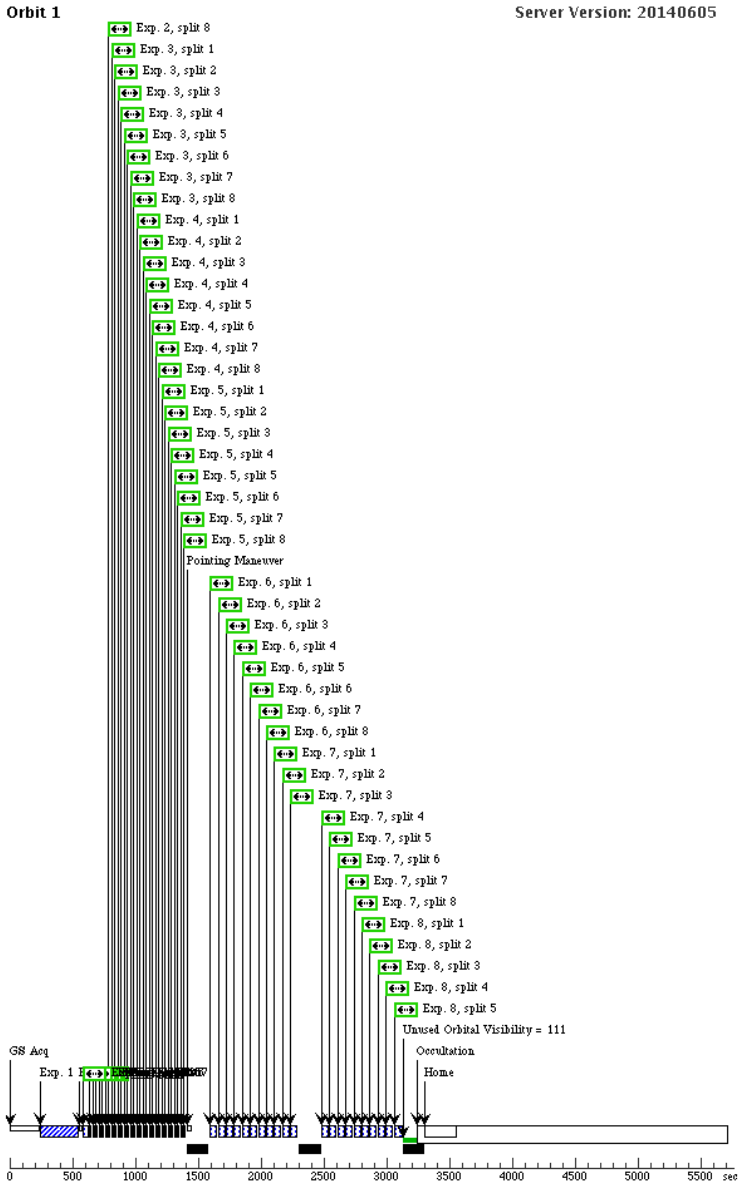
Comments: Not sure if the GSC1 Plate reference frame continues to be necessary. This was how Fomalhaut was handled in previous Cycles. This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	 ***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 08, scheduling Wed Sep 10 01:21:51 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 18.0D TO 18.0D FROM 07

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

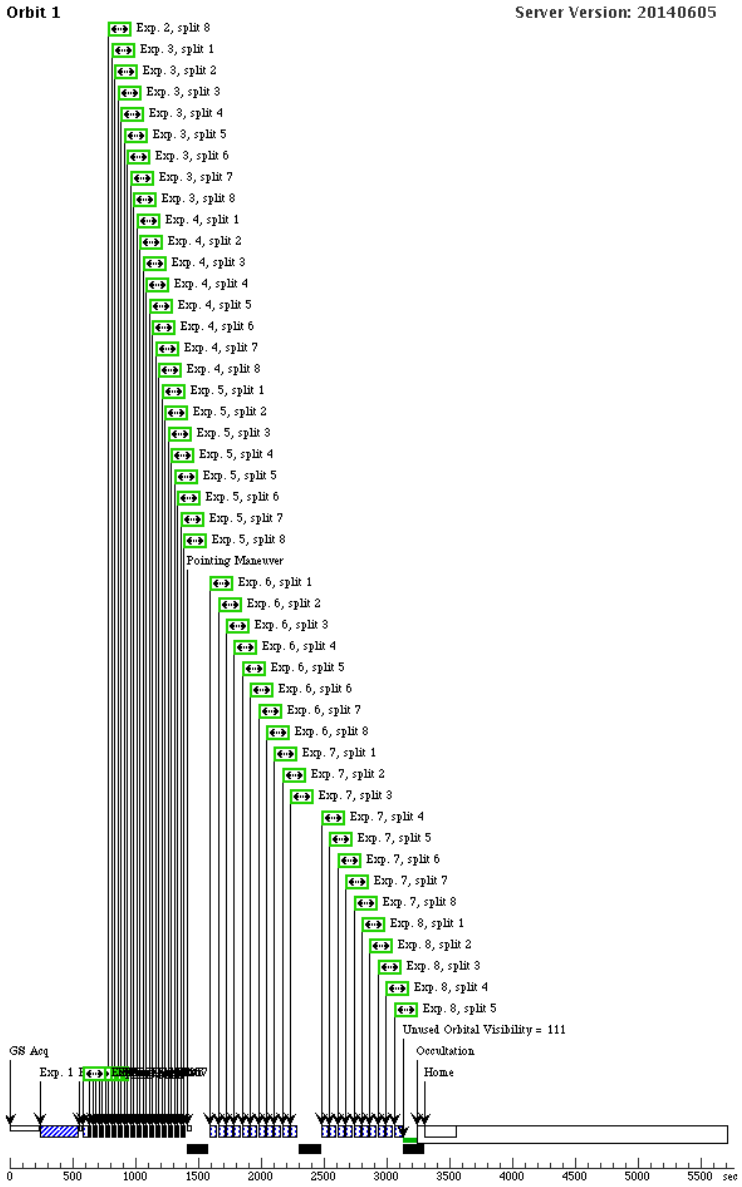
Comments: Not sure if the GSC1 Plate reference frame continues to be necessary. This was how Fomalhaut was handled in previous Cycles. This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
Comments: Please add CENTERAXIS2=305									
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
Comments: Please add CENTERAXIS2=305									
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
Comments: Please add CENTERAXIS2=305									
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
Comments: Please add CENTERAXIS2=305									

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	 ***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 09, scheduling Wed Sep 10 01:21:51 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 9.0D TO 9.0D FROM 07

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

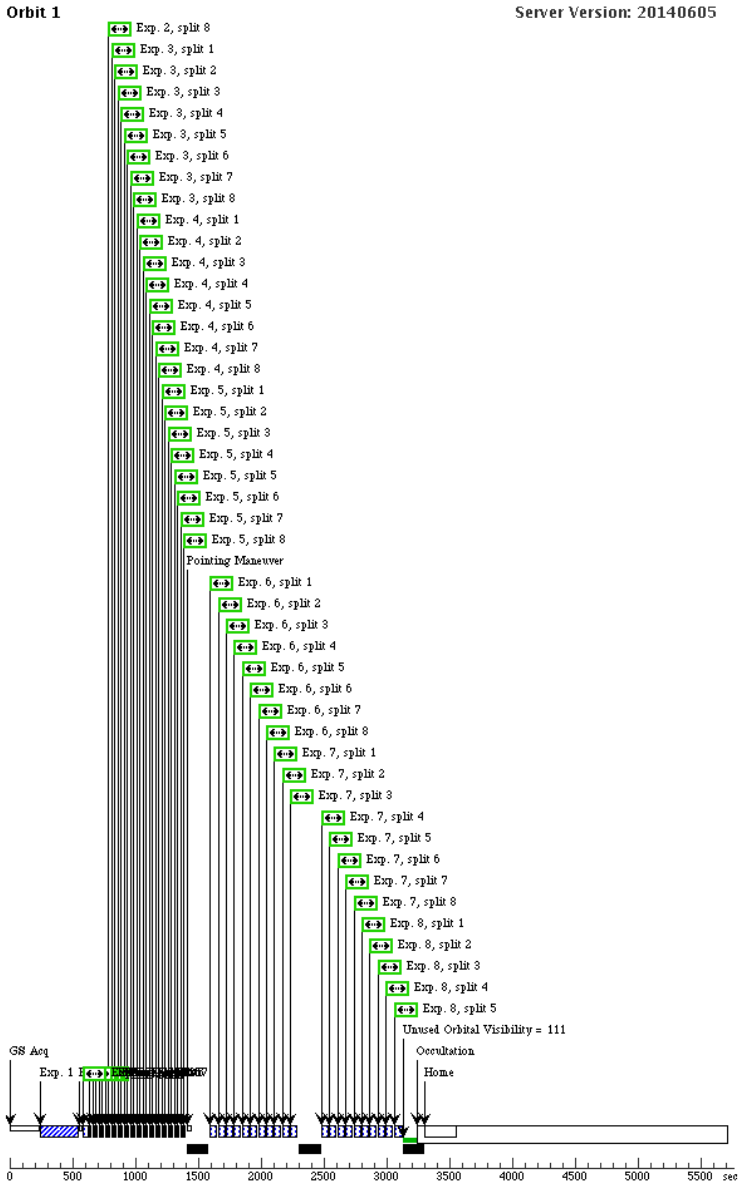
Comments: Not sure if the GSC1 Plate reference frame continues to be necessary. This was how Fomalhaut was handled in previous Cycles. This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 13726, Visit 10, scheduling Wed Sep 10 01:21:51 GMT 2014

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: ORIENT 26.0D TO 26.0D FROM 07

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	NAME-FOMALHAUT-COPY	RA: 22 57 39.0465 (344.4126938d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.32895 arcsec/yr Proper Motion Dec: -0.165 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000.0	V=1.16	Reference Frame: ICRS

Comments: Not sure if the GSC1 Plate reference frame continues to be necessary. This was how Fomalhaut was handled in previous Cycles. This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARIO SINGLE		2 Secs (2 Secs)	
								[==>]	***[1]***
2		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
3		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
4		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***
5		(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=230			1.6 Secs (1.6 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	***[1]***

	6	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	7	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=8; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	220 Secs (220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]* *[==>(Split 6)]* *[==>(Split 7)]* *[==>(Split 8)]*	 ***[1]***
	8	(3) NAME-FOMALHAUT-COPY	STIS/CCD, ACCUM, WEDGEB2.5	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=700; CENTERAXIS2=352	137.5 Secs (137.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	 ***[1]***

Orbit Structure