15905 - Resolving the Asteroid-belt of the Fomalhaut planetary system

Cycle: 27, Proposal Category: GO

(Availability Mode: SUPPORTED)

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	(1) FOMALHAUT	STIS/CCD	1	06-Aug-2021 12:01:04.0	yes
02	(1) FOMALHAUT	STIS/CCD	1	06-Aug-2021 12:01:12.0	yes
03	(3) FOMALHAUT-PSF2	STIS/CCD	1	06-Aug-2021 12:01:18.0	yes
04	(1) FOMALHAUT	STIS/CCD	1	06-Aug-2021 12:01:24.0	yes
05	(1) FOMALHAUT	STIS/CCD	1	06-Aug-2021 12:01:31.0	yes
06	(1) FOMALHAUT	STIS/CCD	1	06-Aug-2021 12:01:36.0	yes
07	(3) FOMALHAUT-PSF2	STIS/CCD	1	06-Aug-2021 12:01:42.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
08	(1) FOMALHAUT	STIS/CCD	1	06-Aug-2021 12:01:48.0	yes
55	(4) FOMALHAUT2	STIS/CCD	1	06-Aug-2021 12:01:55.0	yes
56	(4) FOMALHAUT2	STIS/CCD	1	06-Aug-2021 12:02:00.0	yes
57	(3) FOMALHAUT-PSF2	STIS/CCD	1	06-Aug-2021 12:02:06.0	yes
58	(4) FOMALHAUT2	STIS/CCD	1	06-Aug-2021 12:02:12.0	yes

12 Total Orbits Used

ABSTRACT

As we celebrate the discovery of thousands of exoplanets, we need to reflect on virtually all of them lying in planetary systems vastly different than our own. The initial architectures of planetary systems must reflect laws of physics and chemistry, such as the influence of H2O and CO ice lines. How do similar beginnings evolve into dissimilar ends? Answers demand a detailed understanding of all the constituents of planetary systems, of which debris disks are the most readily studied. The most favorable opportunity lies with Fomalhaut. Not only is it the second-closest bright debris disk system (tied with Vega), but the level of observable details is aided by the high luminosity of the star, resulting in disk features lying 4 times further out than they would around a solar-type star at the equivalent stellar insolation. HST imaging, space IR missions, and groundbased radio observations have resolved the outer Kuiper-belt-analog of the system exquisitely well. However, evolution in these outer orbits proceeds slowly. We must bore in on the regions inside the snow line to further study planetary system evolution. Due to the technical challenges, there are no resolved images of these inner regions around any stars (other than the Sun). We propose to spatially resolve this domain of the Fomalhaut system, one of only three where this is possible with current technology. We will: (1) test whether there is an Asteroid-analog belt near Fomalhaut's H2O iceline; (2) search for the influence of unseen planets; and (3) constrain grain properties, providing new inputs to debris disk theory.

OBSERVING DESCRIPTION

Overview

==========

We will observe Fomalhaut and its PSF calibrator theta Peg with our STIS coronagraphic program. The program uses 8 orbits, of which 6 will be used to take data of our target and 2 to observe the calibrator.

Our PSF calibrator, theta Peg, has been used in a single program (GO10390) as a calibrator for Fomalhaut. It is a single star, without IR thermal excess, and spatially relatively close to the star in the sky (~ 37 deg), although not ideally close. It is the closest best matching non-binary star however. Most importantly, the Delta(B-V) between the two stars is only around 0.02 mag.

To minimize thermal slew at the beginning of our observing sequences (V1 and V5), we request our PC to schedule our observing sequences following an observing program relatively close in the sky (within 30 deg), ideally further minimized.

Exposure details
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Guide Star Acq: We require pointing and roll control with 2-FGS guiding. Single-FGS guiding does not offer sufficient target position stability for coronagraphy.

Each visit (after its Guide Star acquisition) begins with a mode-2 target acquisition and is followed by a sequence of exposures (by CR-SPLIT) at the WedgeA0.6 position.

Target Acquisitions: We expose our TA images to a SNR of well over 100 using the STIS ETC. We also use the F25ND3 filtered images to photometrically obtain target:PSF template brightness ratios in the broad STIS passband. For this reason, we will use ND5 for the PSF calibrator as well, even though we could save ~ 10 s by using ND3. The STIS Target Acquisition ETC was used to determine the eposure times for all acquisition images. Further calculations are given in the exposure comments.

Exposure times: The exposure times are designed to reach ~65% of full-well depth (20,000 cts) with the minimal 0.1 s exposure time. The next increment of 0.2 s would result in saturation.
The exposure times are based on prior observations of another early-type star, Beta Pic at WA0.6 (GO 12551), reaching a well depth of 19,000 cts in 1.2 s. Beta Pic is 12.02x brighter in V-band, therefore the 0.1 s exposure should be ideal for Fomalhaut. Theta Peg is 9x fainter than Fomalhaut, therefore we will take 1.1 s exposures of it, reaching a well depth of ~ 23,000 cts (~ 75%). We could go to 1.2 s exposures, but we would decrease our visibilit window and a more streched out exposure will not improve our reductions as Fomalhaut will be exposed to the same count level.

The orbits are filled completely. We integrate 19x5 CR-SPLIT images for Fomalhaut and 18x5 CR-SPLIT positions for theta Peg. The data are read-out at SIZEAXIS=135 to reduce readout time and increase efficiency, since we are interested in the inner regions.

Visits, links, and interlinked PSF observations
==========

Fomalhaut and its matched PSF star is observed in two "sets" of four single-orbit visits (V1-V4 and V5-V8). Three visits are used to observe the science target in each set (V1, V2, and V4 [for the second set V5, V6, V8]), and one (each) the PSF star [V3 and V7]. These four visits within each set must be executed in sequential, contiguous orbits (i.e., back to back with no interruptions except Earth occultation).

The three science target visits in each set are at different RELATIVE orientation of *NOMINALLY* -30, 0, and +30 degrees from nominal roll, with the second science target observation at nominal roll. The 3rd orbit (visit) in each 4-visit set is of the PSF template star paired with the science target. The PSF template is relatively close in the sky to the science target (37 degrees). As a result we, anticipate that with scheduling of the second science orbit at nominal roll, the PSF calibration star will also be at or close to its nominal roll and usually these two orbits will have nearly the same celestial orientation angle.

The first "repeated" orbit (V5) should be scheduled at either a +90 deg or -90 deg relative orientation from the first (V1).
APT does not have the capability to specify allowable multiple (in this case two) relative orientations. Therefore, we advise our PC that although the parity of the first orbit in the second set's (V5) relative orientation was found schedulable by APT, if for some reason it turns out not to be, our PC may freely change the sign of this relative offset range from positive to negative (or vice versa). In doing so the signs on the relative orientations (and ranges if any) on the Visit V6 and V8 Orient Froms must also be changed in concert. Either positive or negative Orients From of appx |90| are acceptable on Visit V5, with corresponding sign changes on Visits V6 and V8.

-------- Realtime Justification --------

We have no real-time requirments.

------ Calibration Justification -------

We ask for no SPECIAL calibrations for this proposal (and called none out in Phase 1). We did not because we ASSUME that STScI will acquire GAIN=4 (supported mode) bias, DARK, and flat-field frames (and derived hot/bad pixel maps) as part of their Cycle 27 calibration plan in support of approved Cycle 27 science programs. If this is NOT the case then we must obtain GAIN=4 calibration reference bias/dark data as part of our program using NON-POINTED (internal) orbits only.

--------- Additional Comments ----------

None

Visit

Proposal 15905, V1-Fomalhaut (01), completed Fri Aug 06 16:02:14 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 84.0D TO 92.71 D

Comments: We request Visit 1 and 5 to follow an observation that is less than 40 degrees away in coordinates (and minimized as much as possible) to decrease the effects of thermal slew. Our observations are high fidelity observations, resolving scattered light coronagraphically within the core of the PSF and therefore any thermal slew will greatly impact our data.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	FOMALHAUT Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000 Plate Id: 06EI	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: GSC1

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

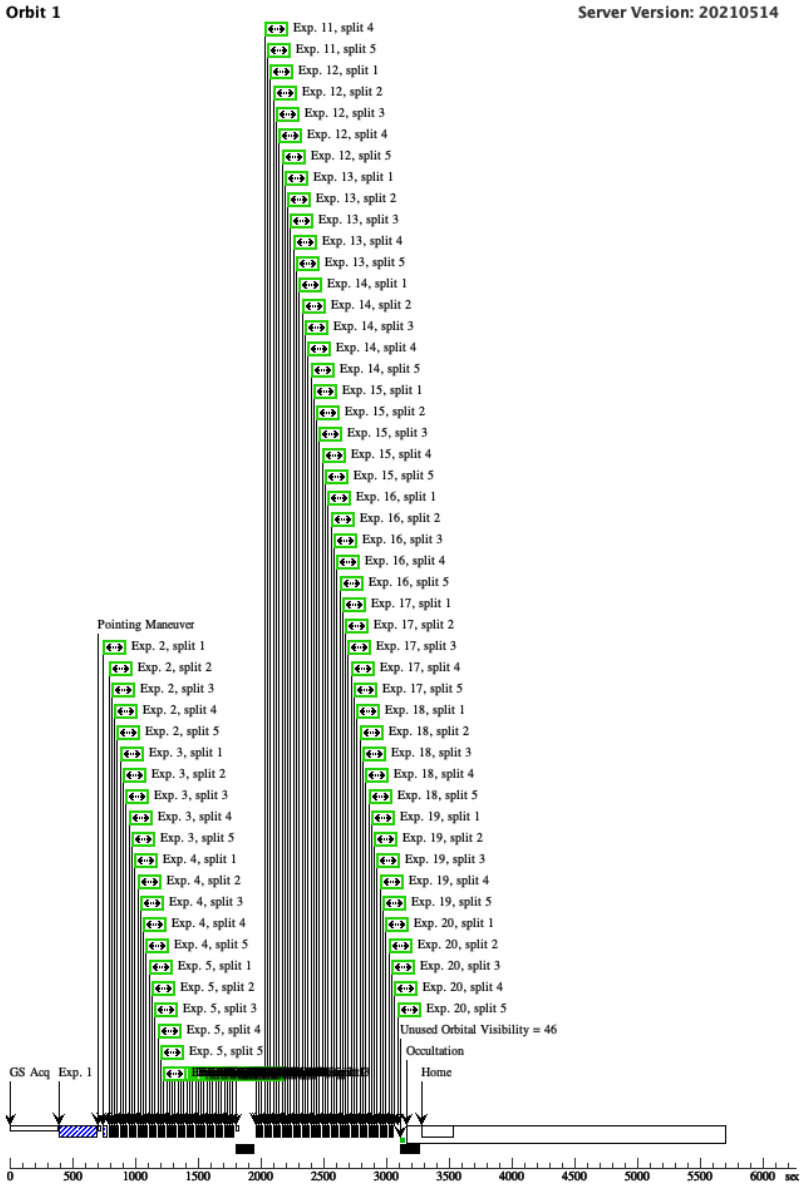
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_V1_ACQ (STIS.ta.1364002)	(1) FOMALHAUT	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BE		2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_V1_EXP1	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_V1_EXP2	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_V1_EXP3	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_V1_EXP4	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_V1_EXP5	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_V1_EXP6	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

8	Fomalhaut_ V1_EXP7	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
9	Fomalhaut_ V1_EXP8	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
10	Fomalhaut_ V1_EXP9	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
11	Fomalhaut_ V1_EXP10	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
12	Fomalhaut_ V1_EXP11	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
13	Fomalhaut_ V1_EXP12	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
14	Fomalhaut_ V1_EXP13	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***

	15	Fomalhaut_ V1_EXP14	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V1_EXP15	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V1_EXP16	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V1_EXP17	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V1_EXP18	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	20	Fomalhaut_ V1_EXP19	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V2-Fomalhaut (02), completed Fri Aug 06 16:02:15 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 69.4D TO 69.6 D; AFTER 01 BY 0.5 Orbits TO 1.2 Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	FOMALHAUT Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000 Plate Id: 06EI	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: GSC1

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

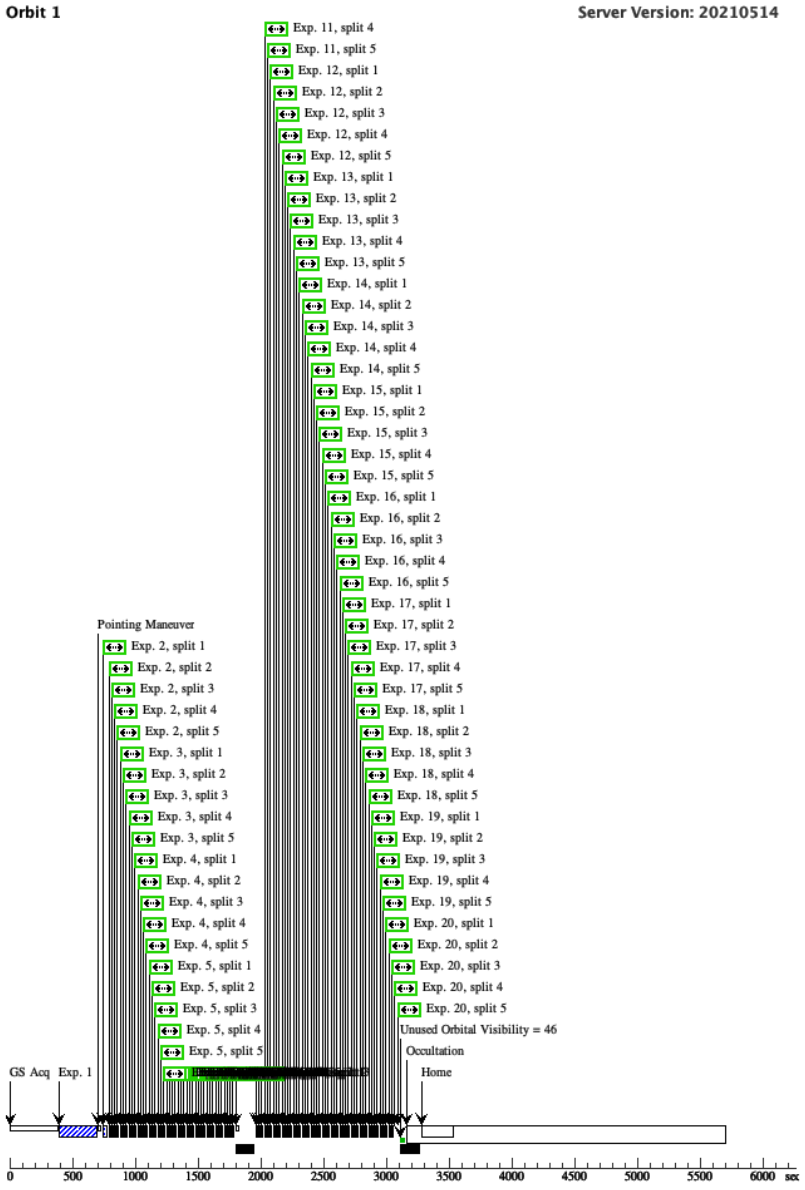
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_V2_ACQ (STIS.ta.1364002)	(1) FOMALHAUT	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BE		2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_V2_EXP1	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_V2_EXP2	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_V2_EXP3	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_V2_EXP4	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_V2_EXP5	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_V2_EXP6	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

8	Fomalhaut_ V2_EXP7	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
9	Fomalhaut_ V2_EXP8	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
10	Fomalhaut_ V2_EXP9	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
11	Fomalhaut_ V2_EXP10	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
12	Fomalhaut_ V2_EXP11	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
13	Fomalhaut_ V2_EXP12	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
14	Fomalhaut_ V2_EXP13	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***

	15	Fomalhaut_ V2_EXP14	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V2_EXP15	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V2_EXP16	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V2_EXP17	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V2_EXP18	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	20	Fomalhaut_ V2_EXP19	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V3-Fomalhaut-PSF (03), completed Fri Aug 06 16:02:15 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER_02 BY 0.5_Orbits TO 1.2_Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	FOMALHAUT-PSF2	RA: 22 10 12.2647 (332.5511029d)	Proper Motion RA: 0.017713267 sec of time/yr	V=3.55	Reference Frame: ICRS
	Alt Name1: THETA-PEG	Dec: +06 11 52.68 (6.19797d)	Proper Motion Dec: 0.010407 arcsec/yr	Bmag: 3.62	
	Alt Name2: HD210418	Equinox: J2000	Parallax: 0.0367678"		
			Epoch of Position: 2015.5		

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

GAIA DR2 #: 2720428303852169216
Category=CALIBRATION
Description=[POINT SPREAD FUNCTION]
Extended=NO

Exposures

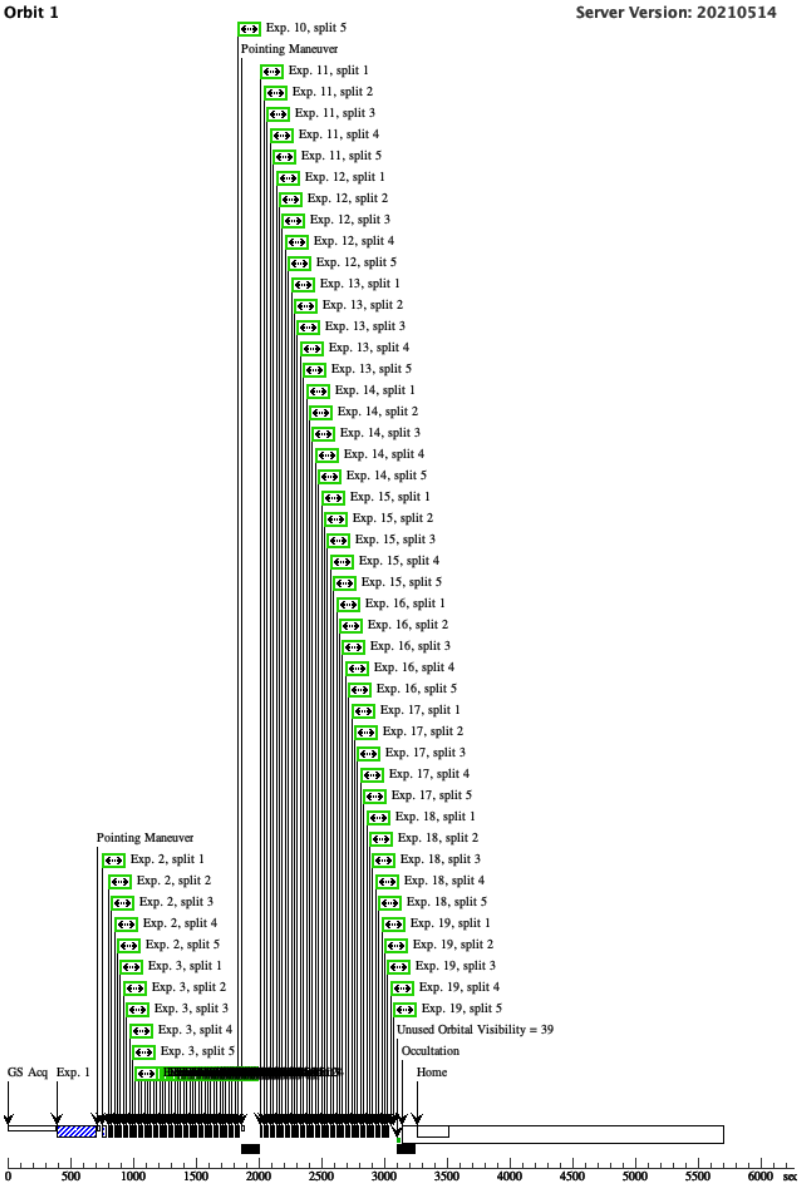
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut-PSF-ACQ (STIS.ta.1368326)	(3) FOMALHAUT-PSF2	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BE		5 Secs (5 Secs) *[==>]*	*[1]*
	Comments: ETC gives 0.3 seconds for saturation and 0.012 s to reach S/N=100 with ND3 (STIS.ta.1368323) and 68 second for saturation and 2.5 s to reach S/N=100 with ND5 (STIS.ta.1368326).								
2	Fomalhaut-PSF-G1-EXP 1	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
3	Fomalhaut-PSF-G1-EXP 2	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
4	Fomalhaut-PSF-G1-EXP 3	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
5	Fomalhaut-PSF-G1-EXP 4	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
6	Fomalhaut-PSF-G1-EXP 5	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								

7	Fomalhaut-P SF-G1-EXP 6 SF2	(3) FOMALHAUT-P STIS/CCD, ACCUM, WEDGEA0.6 MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4		6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes						
8	Fomalhaut-P SF-G1-EXP 7 SF2	(3) FOMALHAUT-P STIS/CCD, ACCUM, WEDGEA0.6 MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4		6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes						
9	Fomalhaut-P SF-G1-EXP 8 SF2	(3) FOMALHAUT-P STIS/CCD, ACCUM, WEDGEA0.6 MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4		6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes						
10	Fomalhaut-P SF-G1-EXP 9 SF2	(3) FOMALHAUT-P STIS/CCD, ACCUM, WEDGEA0.6 MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4		6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes						
11	Fomalhaut-P SF-G1-EXP 10 SF2	(3) FOMALHAUT-P STIS/CCD, ACCUM, WEDGEB1.0 MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes						
12	Fomalhaut-P SF-G1-EXP 11 SF2	(3) FOMALHAUT-P STIS/CCD, ACCUM, WEDGEB1.0 MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes						

13	Fomalhaut-P SF-G1-EXP 12	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
14	Fomalhaut-P SF-G1-EXP 13	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
15	Fomalhaut-P SF-G1-EXP 14	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
16	Fomalhaut-P SF-G1-EXP 15	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
17	Fomalhaut-P SF-G1-EXP 16	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
18	Fomalhaut-P SF-G1-EXP 17	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								

	19	Fomalhaut-P SF-G1-EXP 18	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4 POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							

Orbit Structure



Visit

Proposal 15905, V4-Fomalhaut (04), completed Fri Aug 06 16:02:15 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 55.47D TO 55.55 D; AFTER 03 BY 0.5 Orbits TO 1.2 Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	FOMALHAUT Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000 Plate Id: 06EI	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: GSC1

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

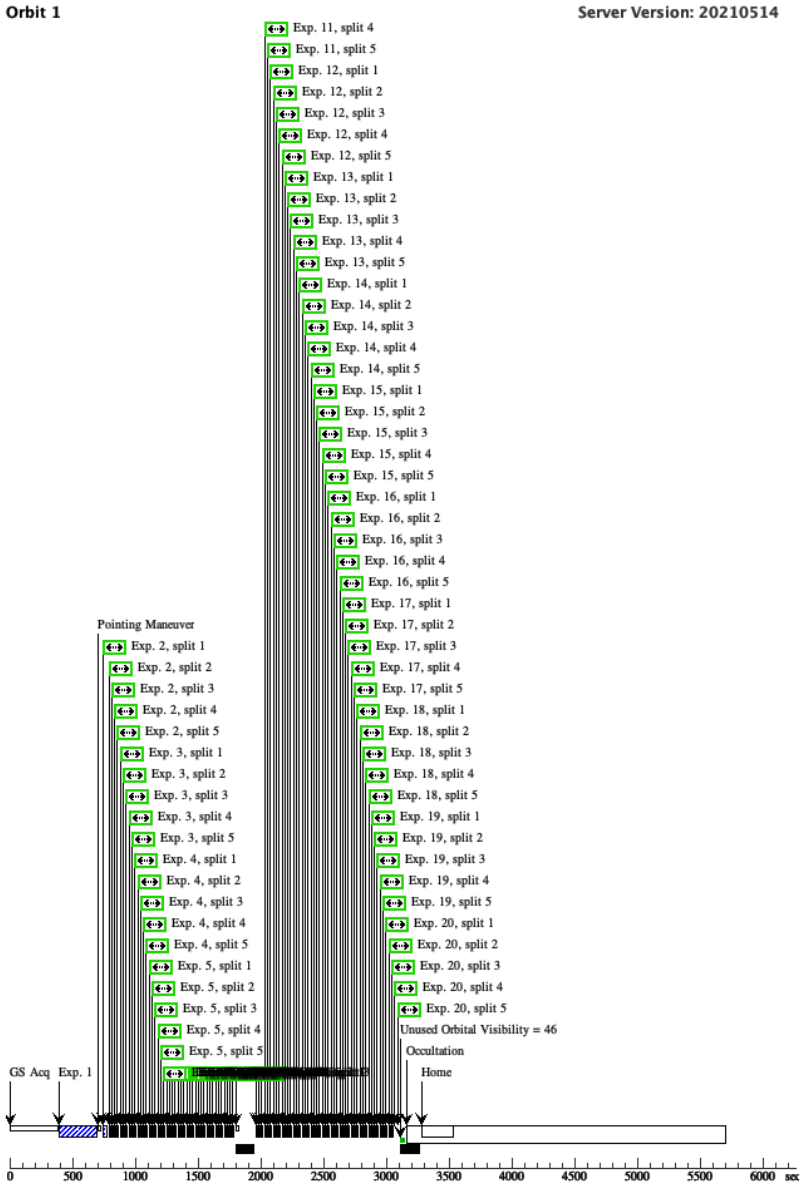
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_ V4_ACQ (STIS.ta.1364002)	(1) FOMALHAUT	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BE		2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_ V4_EXP1	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_ V4_EXP2	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_ V4_EXP3	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_ V4_EXP4	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_ V4_EXP5	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_ V4_EXP6	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	8	Fomalhaut_ V4_EXP7	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	9	Fomalhaut_ V4_EXP8	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	10	Fomalhaut_ V4_EXP9	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	11	Fomalhaut_ V4_EXP10	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	12	Fomalhaut_ V4_EXP11	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	13	Fomalhaut_ V4_EXP12	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	14	Fomalhaut_ V4_EXP13	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	15	Fomalhaut_ V4_EXP14	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V4_EXP15	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V4_EXP16	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V4_EXP17	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V4_EXP18	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	20	Fomalhaut_ V4_EXP19	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V5-Fomalhaut (05), failed Fri Aug 06 16:02:15 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 321.3D TO 321.33 D

Comments: We request Visit 1 and 5 to follow an observation that is less than 40 degrees away in coordinates (and minimized as much as possible) to decrease the effects of thermal slew. Our observations are high fidelity observations, resolving scattered light coronagraphically within the core of the PSF and therefore any thermal slew will greatly impact our data.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	FOMALHAUT Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000 Plate Id: 06EI	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: GSC1

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

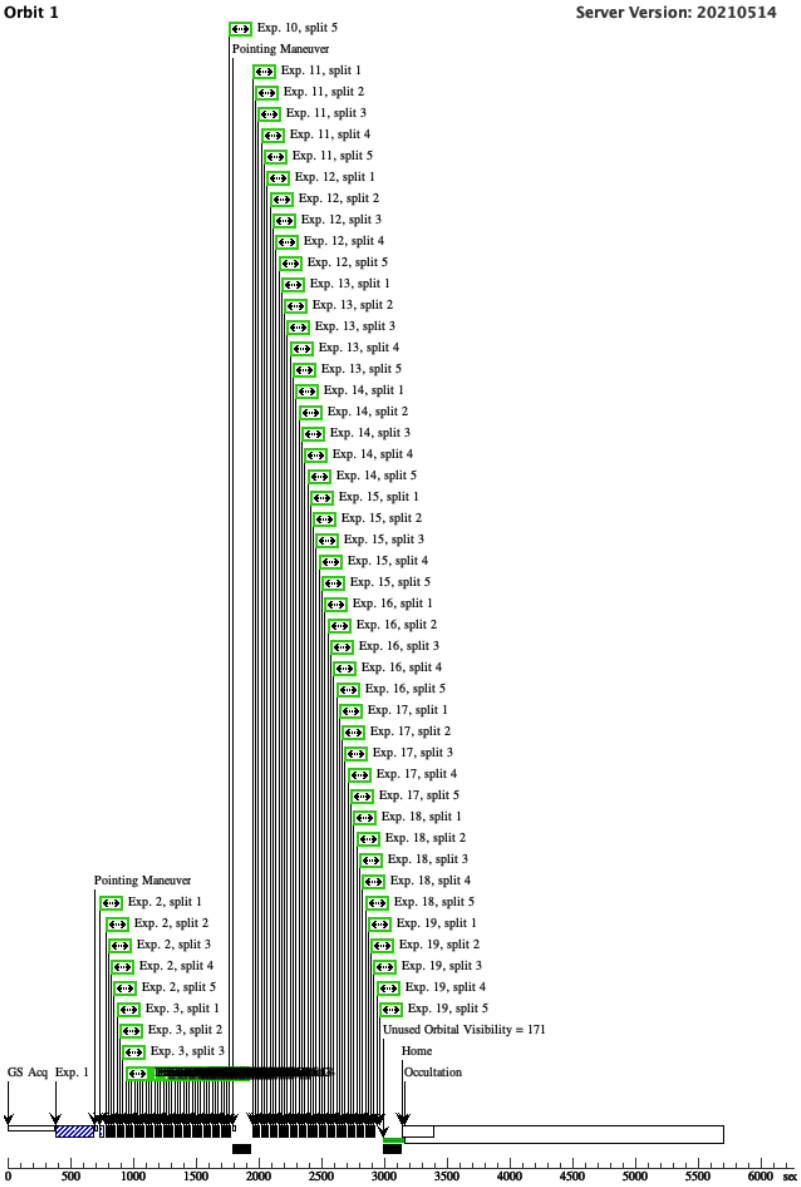
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_V5_ACQ (STIS.ta.1364002)	(1) FOMALHAUT	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BN3		2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_V5_EXP1	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_V5_EXP2	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_V5_EXP3	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_V5_EXP4	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_V5_EXP5	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_V5_EXP6	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	8	Fomalhaut_ V5_EXP7	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	9	Fomalhaut_ V5_EXP8	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	10	Fomalhaut_ V5_EXP9	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	11	Fomalhaut_ V5_EXP10	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	12	Fomalhaut_ V5_EXP11	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	13	Fomalhaut_ V5_EXP12	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	14	Fomalhaut_ V5_EXP13	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	15	Fomalhaut_ V5_EXP14	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V5_EXP15	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V5_EXP16	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V5_EXP17	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V5_EXP18	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V6-Fomalhaut (06), failed Fri Aug 06 16:02:15 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 318.15D TO 318.25 D; AFTER 05 BY 0.5 Orbits TO 1.2 Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	FOMALHAUT Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000 Plate Id: 06EI	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: GSC1

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

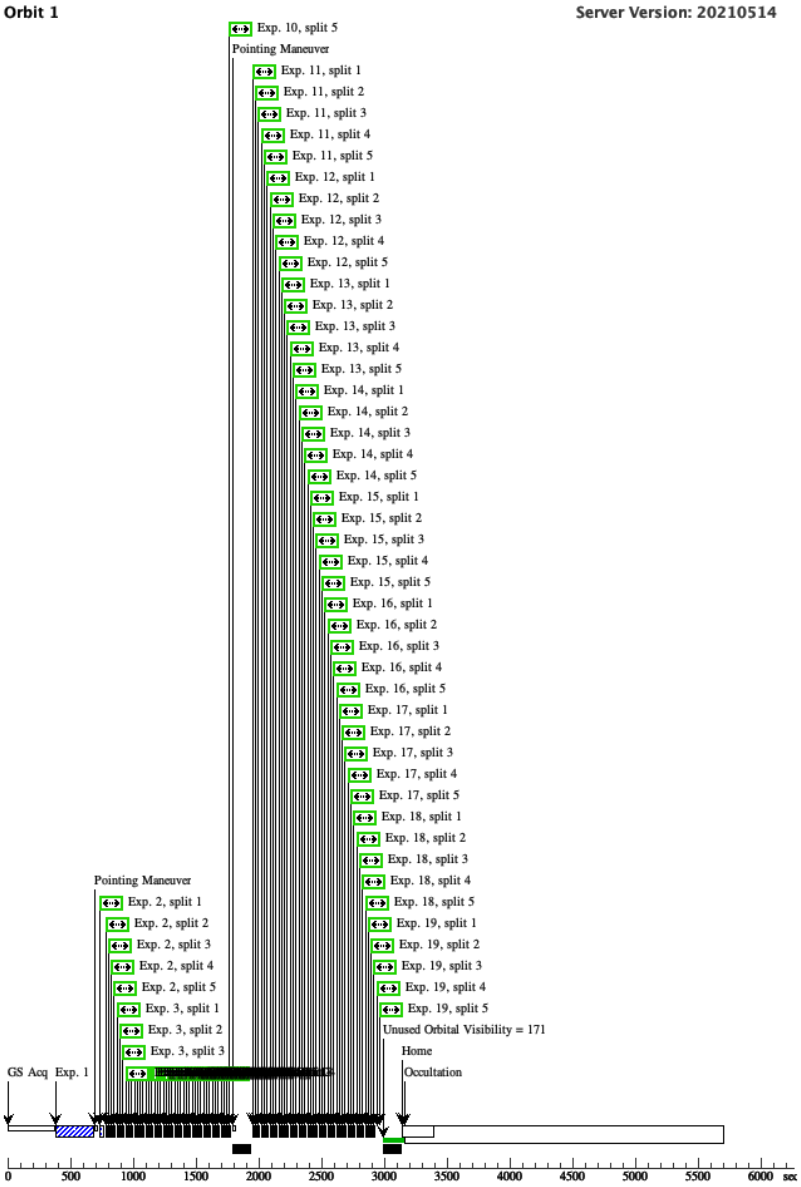
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_ V6_ACQ (STIS.ta.1364002)	(1) FOMALHAUT	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BN3		2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_ V6_EXP1	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_ V6_EXP2	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_ V6_EXP3	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_ V6_EXP4	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_ V6_EXP5	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_ V6_EXP6	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	8	Fomalhaut_ V6_EXP7	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	9	Fomalhaut_ V6_EXP8	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	10	Fomalhaut_ V6_EXP9	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	11	Fomalhaut_ V6_EXP10	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	12	Fomalhaut_ V6_EXP11	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	13	Fomalhaut_ V6_EXP12	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	14	Fomalhaut_ V6_EXP13	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	15	Fomalhaut_ V6_EXP14	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V6_EXP15	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V6_EXP16	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V6_EXP17	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V6_EXP18	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V7-Fomalhaut-PSF (07), failed Fri Aug 06 16:02:15 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER_06 BY 0.5_Orbits TO 1.2_Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	FOMALHAUT-PSF2	RA: 22 10 12.2647 (332.5511029d)	Proper Motion RA: 0.017713267 sec of time/yr	V=3.55	Reference Frame: ICRS
	Alt Name1: THETA-PEG	Dec: +06 11 52.68 (6.19797d)	Proper Motion Dec: 0.010407 arcsec/yr	Bmag: 3.62	
	Alt Name2: HD210418	Equinox: J2000	Parallax: 0.0367678"		
			Epoch of Position: 2015.5		

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

GAIA DR2 #: 2720428303852169216
Category=CALIBRATION
Description=[POINT SPREAD FUNCTION]
Extended=NO

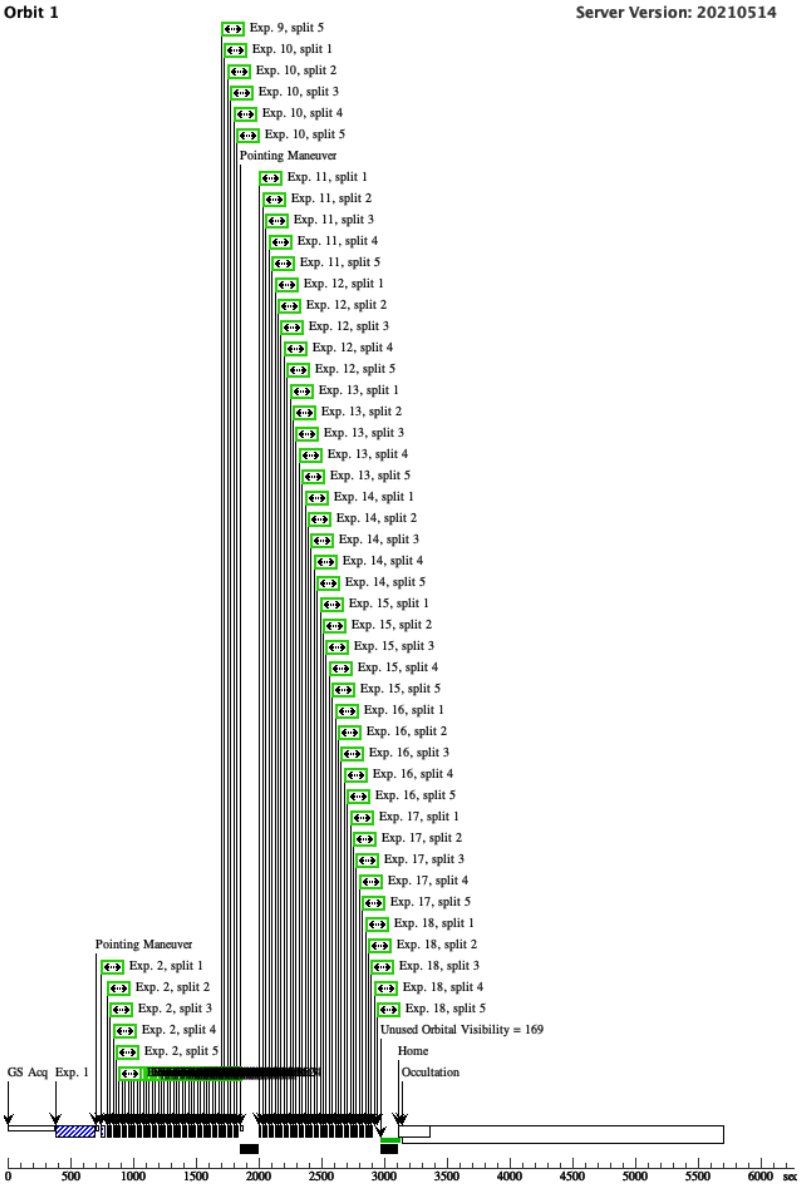
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut-PSF-ACQ (STIS.ta.1368326)	(3) FOMALHAUT-PSF2	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BN3		5 Secs (5 Secs) *[==>]*	*[1]*
	Comments: ETC gives 0.3 seconds for saturation and 0.012 s to reach S/N=100 with ND3 (STIS.ta.1368323) and 68 second for saturation and 2.5 s to reach S/N=100 with ND5 (STIS.ta.1368326).								
2	Fomalhaut-PSF-G2-EXP1	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
3	Fomalhaut-PSF-G2-EXP2	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
4	Fomalhaut-PSF-G2-EXP3	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
5	Fomalhaut-PSF-G2-EXP4	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
6	Fomalhaut-PSF-G2-EXP5	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	*[1]*
	Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								

7	Fomalhaut-P SF-G2-EXP 6	(3) FOMALHAUT-P	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
8	Fomalhaut-P SF-G2-EXP 7	(3) FOMALHAUT-P	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
9	Fomalhaut-P SF-G2-EXP 8	(3) FOMALHAUT-P	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
10	Fomalhaut-P SF-G2-EXP 9	(3) FOMALHAUT-P	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
11	Fomalhaut-P SF-G2-EXP 10	(3) FOMALHAUT-P	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0 6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
12	Fomalhaut-P SF-G2-EXP 11	(3) FOMALHAUT-P	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0 6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							

13	Fomalhaut-P SF-G2-EXP 12	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
14	Fomalhaut-P SF-G2-EXP 13	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
15	Fomalhaut-P SF-G2-EXP 14	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
16	Fomalhaut-P SF-G2-EXP 15	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
17	Fomalhaut-P SF-G2-EXP 16	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
18	Fomalhaut-P SF-G2-EXP 17	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								

Orbit Structure



Visit

Proposal 15905, V8-Fomalhaut (08), failed Fri Aug 06 16:02:16 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 301.56D TO 301.58 D; AFTER 07 BY 0.5 Orbits TO 1.2 Orbits

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	FOMALHAUT Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000 Plate Id: 06EI	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: GSC1

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

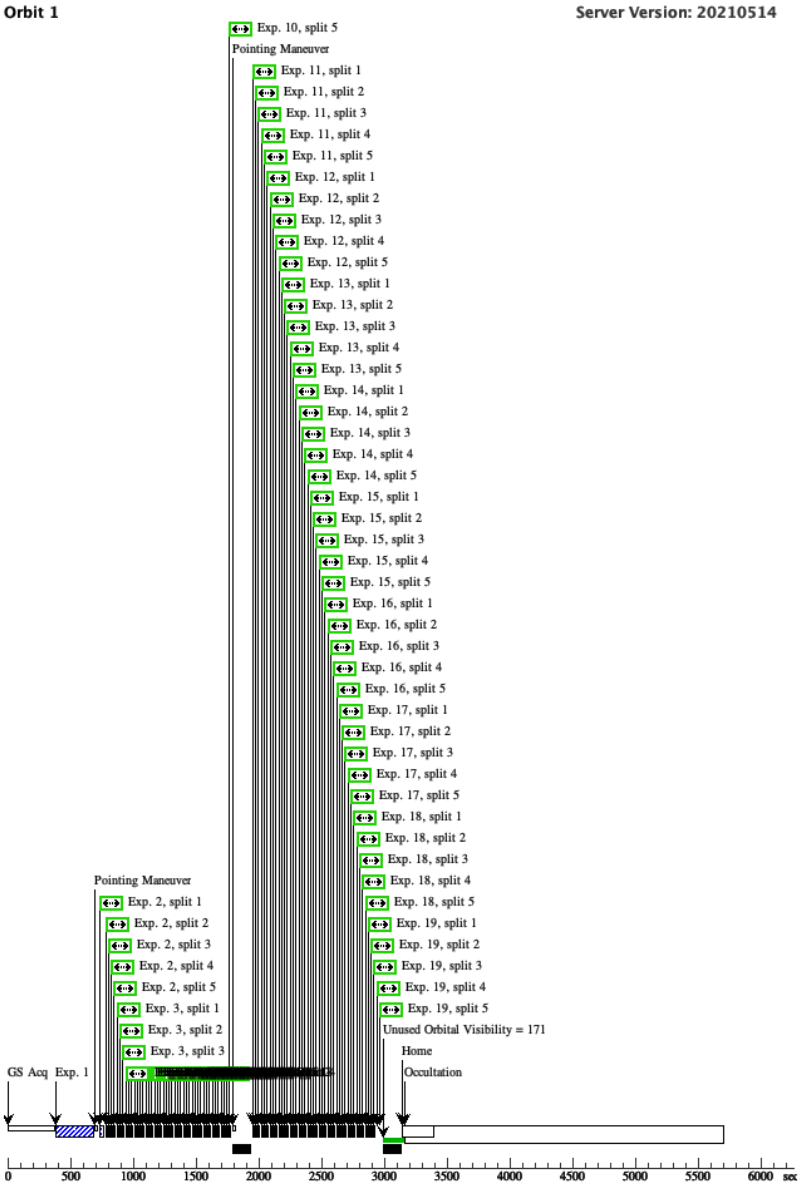
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_ V8_ACQ (STIS.ta.1364002)	(1) FOMALHAUT	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1BN3		2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_ V8_EXP1	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_ V8_EXP2	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_ V8_EXP3	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_ V8_EXP4	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_ V8_EXP5	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_ V8_EXP6	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

8	Fomalhaut_ V8_EXP7	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
9	Fomalhaut_ V8_EXP8	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
10	Fomalhaut_ V8_EXP9	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
11	Fomalhaut_ V8_EXP10	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
12	Fomalhaut_ V8_EXP11	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
13	Fomalhaut_ V8_EXP12	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***
14	Fomalhaut_ V8_EXP13	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*		***[1]***

	15	Fomalhaut_ V8_EXP14	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V8_EXP15	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V8_EXP16	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V8_EXP17	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V8_EXP18	(1) FOMALHAUT	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V5-Fomalhaut (55), implementation Fri Aug 06 16:02:16 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 321.25D TO 321.35 D

Comments: We request Visit 1 and 5 to follow an observation that is less than 40 degrees away in coordinates (and minimized as much as possible) to decrease the effects of thermal slew. Our observations are high fidelity observations, resolving scattered light coronagraphically within the core of the PSF and therefore any thermal slew will greatly impact our data.

This is a HOPR repeat of visit 05

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	FOMALHAUT2 Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

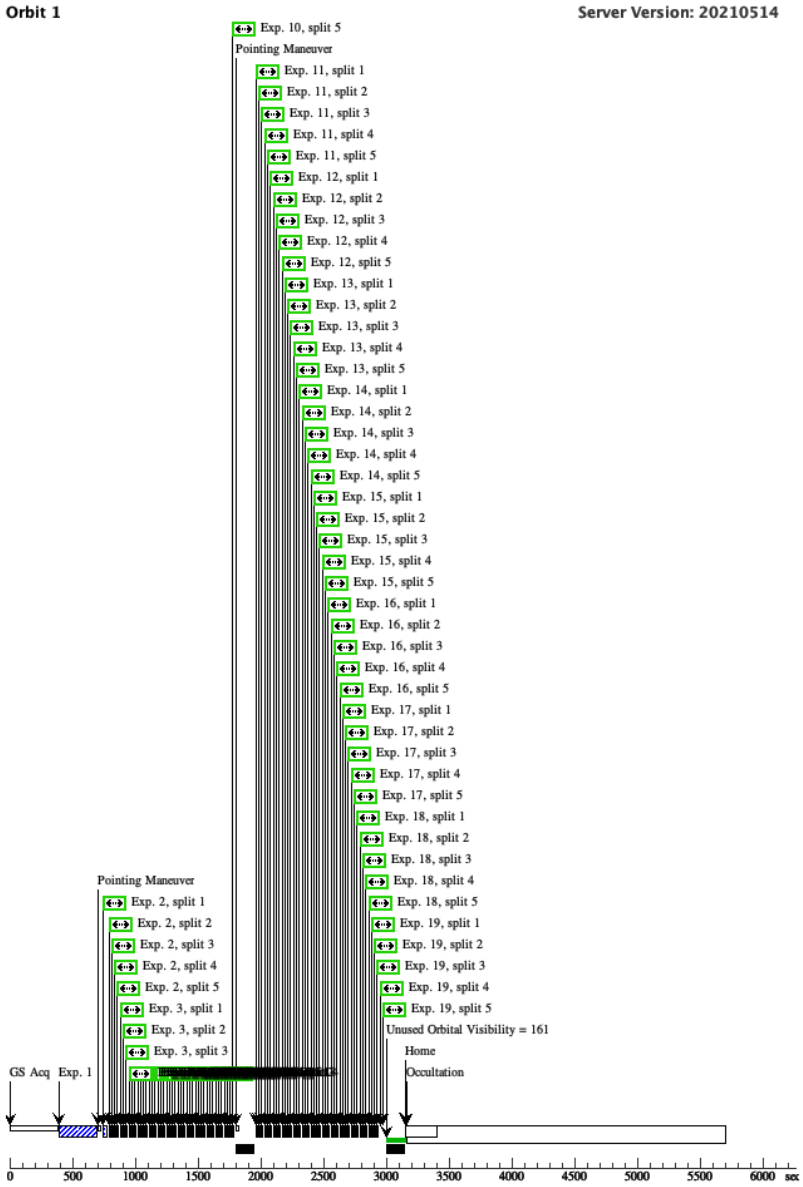
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_ V5_ACQ (STIS.ta.1364002)	(4) FOMALHAUT2	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT			2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_ V5_EXP1	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_ V5_EXP2	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_ V5_EXP3	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_ V5_EXP4	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_ V5_EXP5	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_ V5_EXP6	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	8	Fomalhaut_ V5_EXP7	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	9	Fomalhaut_ V5_EXP8	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	10	Fomalhaut_ V5_EXP9	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	11	Fomalhaut_ V5_EXP10	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	12	Fomalhaut_ V5_EXP11	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	13	Fomalhaut_ V5_EXP12	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	14	Fomalhaut_ V5_EXP13	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	15	Fomalhaut_ V5_EXP14	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V5_EXP15	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V5_EXP16	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V5_EXP17	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V5_EXP18	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V6-Fomalhaut (56), implementation Fri Aug 06 16:02:16 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 318.35D TO 318.45 D; AFTER 55 BY 0.5 Orbits TO 1.2 Orbits

Comments: This is a HOPR repeat of visit 56

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	FOMALHAUT2 Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

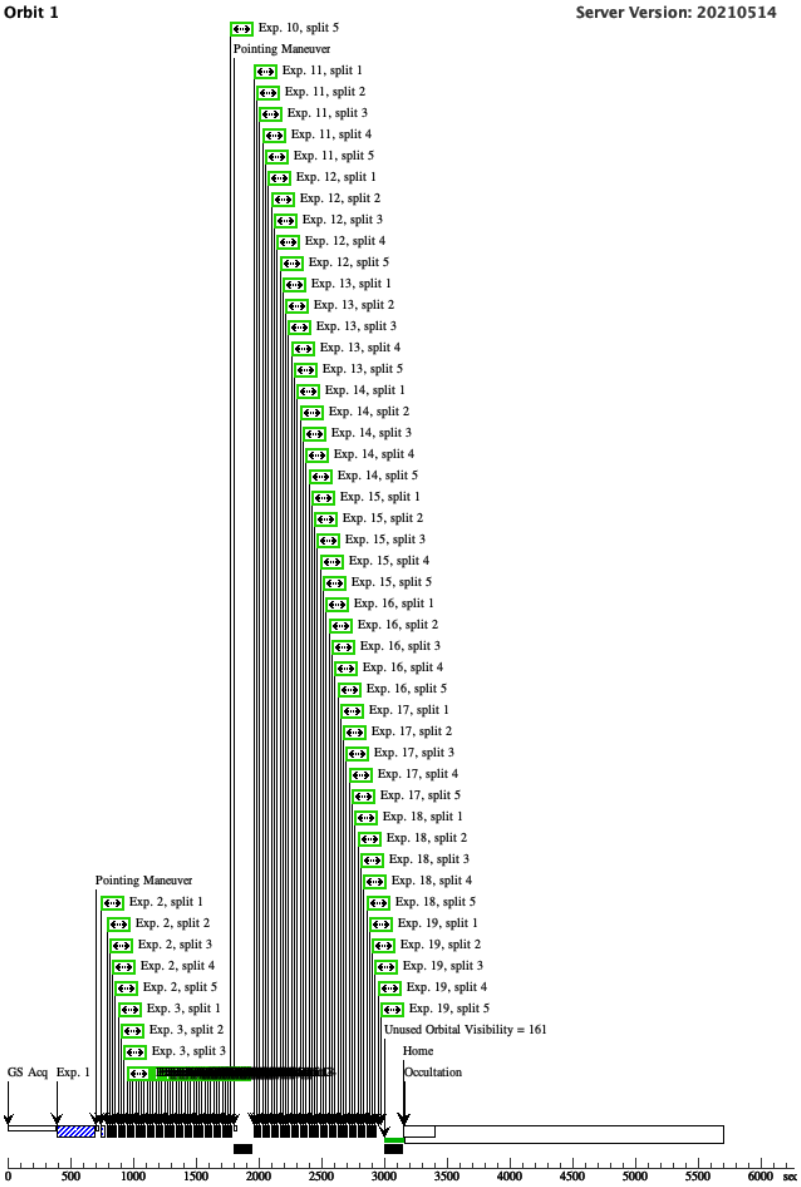
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_ V6_ACQ (STIS.ta.1364002)	(4) FOMALHAUT2	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT			2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_ V6_EXP1	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_ V6_EXP2	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_ V6_EXP3	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_ V6_EXP4	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_ V6_EXP5	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_ V6_EXP6	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	8	Fomalhaut_ V6_EXP7	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	9	Fomalhaut_ V6_EXP8	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	10	Fomalhaut_ V6_EXP9	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	11	Fomalhaut_ V6_EXP10	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	12	Fomalhaut_ V6_EXP11	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	13	Fomalhaut_ V6_EXP12	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	14	Fomalhaut_ V6_EXP13	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	15	Fomalhaut_ V6_EXP14	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V6_EXP15	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V6_EXP16	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V6_EXP17	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V6_EXP18	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure



Visit

Proposal 15905, V7-Fomalhaut-PSF (57), scheduling Fri Aug 06 16:02:16 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 56 BY 0.5 Orbits TO 1.2 Orbits

Comments: This is a HOPR repeat of visit 57

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	FOMALHAUT-PSF2 Alt Name1: THETA-PEG Alt Name2: HD210418	RA: 22 10 12.2647 (332.5511029d) Dec: +06 11 52.68 (6.19797d) Equinox: J2000	Proper Motion RA: 0.017713267 sec of time/yr Proper Motion Dec: 0.010407 arcsec/yr Parallax: 0.0367678" Epoch of Position: 2015.5	V=3.55 Bmag: 3.62	Reference Frame: ICRS

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

GAIA DR2 #: 2720428303852169216
Category=CALIBRATION
Description=[POINT SPREAD FUNCTION]
Extended=NO

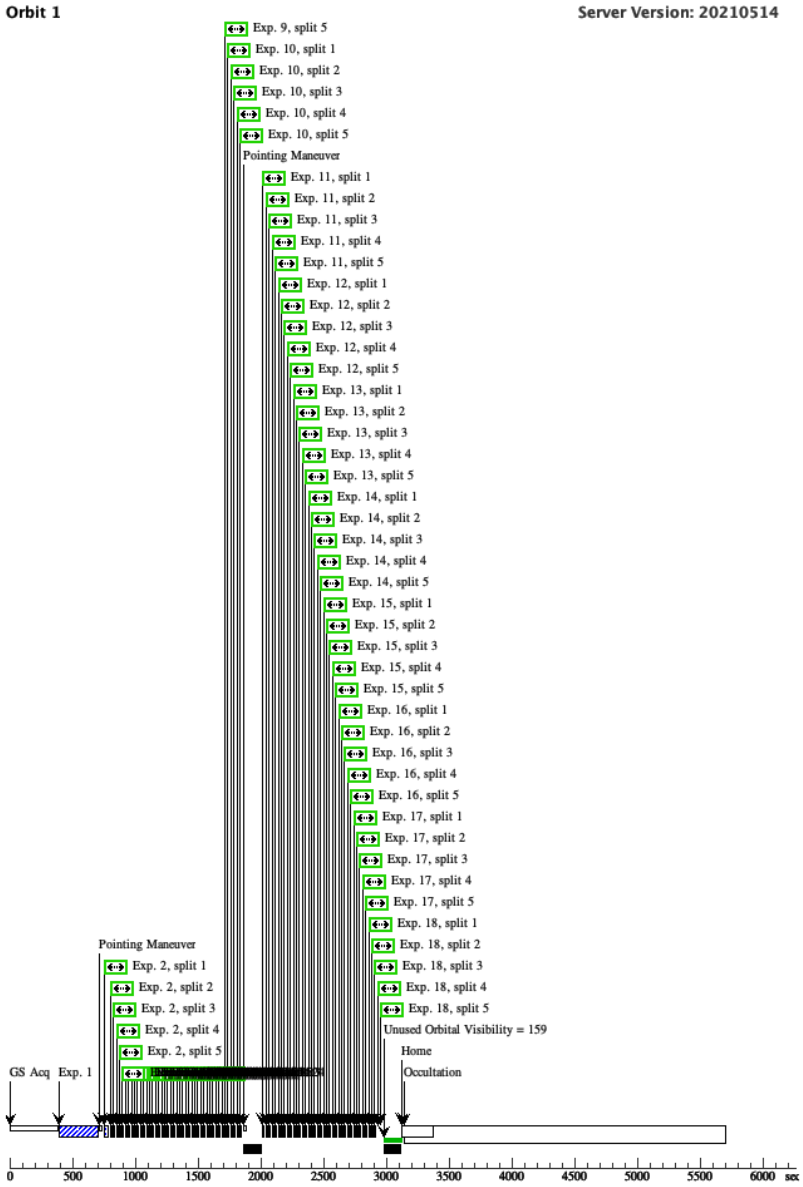
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut-PSF-ACQ (STIS.ta.1368326)	(3) FOMALHAUT-PSF2	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT			5 Secs (5 Secs) *[==>]*	***[1]***
Comments: ETC gives 0.3 seconds for saturation and 0.012 s to reach S/N=100 with ND3 (STIS.ta.1368323) and 68 second for saturation and 2.5 s to reach S/N=100 with ND5 (STIS.ta.1368326).									
2	Fomalhaut-PSF-G2-EXP 1	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes									
3	Fomalhaut-PSF-G2-EXP 2	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes									
4	Fomalhaut-PSF-G2-EXP 3	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes									
5	Fomalhaut-PSF-G2-EXP 4	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes									
6	Fomalhaut-PSF-G2-EXP 5	(3) FOMALHAUT-PSF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4			6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes									

7	Fomalhaut-P SF-G2-EXP 6	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
8	Fomalhaut-P SF-G2-EXP 7	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
9	Fomalhaut-P SF-G2-EXP 8	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
10	Fomalhaut-P SF-G2-EXP 9	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
11	Fomalhaut-P SF-G2-EXP 10	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							
12	Fomalhaut-P SF-G2-EXP 11	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes							

13	Fomalhaut-P SF-G2-EXP 12	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
14	Fomalhaut-P SF-G2-EXP 13	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
15	Fomalhaut-P SF-G2-EXP 14	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
16	Fomalhaut-P SF-G2-EXP 15	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
17	Fomalhaut-P SF-G2-EXP 16	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								
18	Fomalhaut-P SF-G2-EXP 17	(3) FOMALHAUT-P SF2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	SIZEAXIS2=135; CR-SPLIT=5; GAIN=4	POS TARG -7.4,0.0	6 Secs (6 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
Comments: Exposure time scaled from Fomalhaut's 0.1 sec (x5), based on V magnitudes								

Orbit Structure



Visit

Proposal 15905, V8-Fomalhaut (58), implementation Fri Aug 06 16:02:16 GMT 2021

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 301.65D TO 301.75 D; AFTER 57 BY 0.5 Orbits TO 1.2 Orbits

Comments: This is a HOPR repeat of visit 58

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	FOMALHAUT2 Alt Name1: -ALF-PSA Alt Name2: HD216956	RA: 22 57 39.0463 (344.4126929d) Dec: -29 37 20.05 (-29.62224d) Equinox: J2000	Proper Motion RA: 0.025227280068212916 sec of time/yr Proper Motion Dec: -0.16467000000375265 arcsec/yr Parallax: 0.13008" Epoch of Position: 2000	V=1.16	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=STAR
Description=[A0-A3 V-IV, DISK]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Fomalhaut_ V8_ACQ (STIS.ta.1364002)	(4) FOMALHAUT2	STIS/CCD, ACQ, F25ND5	MIRROR	ACQTYPE=POINT			2 Secs (2 Secs) *[==>]*	***[1]***
Comments: ETC gives 7.58 seconds for saturation and 0.28 s to reach S/N=100. Program GO13037 used 2 sec ACQ exposure times successfully.									
2	Fomalhaut_ V8_EXP1	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
3	Fomalhaut_ V8_EXP2	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
4	Fomalhaut_ V8_EXP3	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
5	Fomalhaut_ V8_EXP4	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
6	Fomalhaut_ V8_EXP5	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
7	Fomalhaut_ V8_EXP6	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135			0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	8	Fomalhaut_ V8_EXP7	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	9	Fomalhaut_ V8_EXP8	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	10	Fomalhaut_ V8_EXP9	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135		0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	11	Fomalhaut_ V8_EXP10	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	12	Fomalhaut_ V8_EXP11	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	13	Fomalhaut_ V8_EXP12	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	14	Fomalhaut_ V8_EXP13	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

	15	Fomalhaut_ V8_EXP14	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	16	Fomalhaut_ V8_EXP15	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	17	Fomalhaut_ V8_EXP16	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	18	Fomalhaut_ V8_EXP17	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***
	19	Fomalhaut_ V8_EXP18	(4) FOMALHAUT2	STIS/CCD, ACCUM, WEDGEB1.0	MIRROR	CR-SPLIT=5; GAIN=4; SIZEAXIS2=135	POS TARG -7.4,0.0	0.5 Secs (0.5 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]* *[==>(Split 5)]*	***[1]***

Orbit Structure