17067 - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disks in four nearby star-forming regions

Cycle: 30, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

Name	*Institution*
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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(2) SSTTAUJ041535.6+284741	WFC3/UVIS	1	08-May-2023 12:00:18.0	yes
02	(3) SSTTAUJ041810.5+284447	WFC3/UVIS	1	08-May-2023 12:00:19.0	yes
03	(5) SSTTAUJ042730.2+244123	WFC3/UVIS	1	08-May-2023 12:00:19.0	yes
13	(43) SSTTAUJ043557.6+225357	WFC3/UVIS	1	08-May-2023 12:00:20.0	yes
Z3	(43) SSTTAUJ043557.6+225357	WFC3/UVIS	1	08-May-2023 12:00:20.0	yes
14	(7) SSTTAUJ043642.0+265339	WFC3/UVIS	1	08-May-2023 12:00:21.0	yes
15	(18) SSTC2DJ161027.4-390230	WFC3/UVIS	1	08-May-2023 12:00:21.0	yes
04	(11) SSTGBSJ110952.5-774035	WFC3/UVIS	1	08-May-2023 12:00:21.0	yes
05	(13) SSTGBSJ111053.6-772500	WFC3/UVIS	1	08-May-2023 12:00:22.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
06	(14) SSTGBSJ130521.7-773809	WFC3/UVIS	1	08-May-2023 12:00:22.0	yes
16	(10) SSTGBSJ110721.4-772211	WFC3/IR	1	08-May-2023 12:00:23.0	yes
17	(12) SSTGBSJ111003.4-763311	WFC3/IR	1	08-May-2023 12:00:24.0	yes
18	(20) SSTC2DJ160115.5-415235	WFC3/IR	1	08-May-2023 12:00:24.0	yes
22	(31) SSTC2DJ162648.5-242838	WFC3/IR	1	08-May-2023 12:00:25.0	yes
23	(32) SSTC2DJ162703.6-242005	WFC3/IR	1	08-May-2023 12:00:25.0	yes
24	(33) SSTC2DJ162738.9-244020	WFC3/IR	1	08-May-2023 12:00:26.0	yes
25	(35) SSTC2DJ163952.9-241931	WFC3/IR	1	08-May-2023 12:00:26.0	yes
26	(38) SSTC2D162546.6-242336	WFC3/IR	1	08-May-2023 12:00:27.0	yes
27	(39) SSTTAUJ041841.3+282725	WFC3/IR	1	08-May-2023 12:00:27.0	yes
28	(41) SSTTAUJ041845.0+282052	WFC3/IR	1	08-May-2023 12:00:28.0	yes
29	(42) SSTC2DJ160754.7-391544	WFC3/IR	1	08-May-2023 12:00:28.0	yes
31	(46) SSTD2DJ162704.5-242715	WFC3/IR	1	08-May-2023 12:00:29.0	yes
07	(19) SSTC2DJ161204.5-380959	WFC3/UVIS	1	08-May-2023 12:00:29.0	yes
08	(22) SSTC2DJ162306.9-225736	WFC3/UVIS	1	08-May-2023 12:00:30.0	yes
09	(23) SSTC2DJ162332.2-242553	WFC3/UVIS	1	08-May-2023 12:00:31.0	yes
10	(36) SSTC2DJ164526.7-240305	WFC3/UVIS	1	08-May-2023 12:00:31.0	yes
11	(37) SSTC2D162305.4-230256	WFC3/UVIS	1	08-May-2023 12:00:32.0	yes
12	(40) SSTC2DJ162148.4-234027	WFC3/UVIS	1	08-May-2023 12:00:32.0	yes
30	(45) SSTC2DJ162730.6-243235	WFC3/UVIS	1	08-May-2023 12:00:33.0	yes
Z0	(45) SSTC2DJ162730.6-243235	WFC3/UVIS	1	08-May-2023 12:00:33.0	yes
Z4	(48) 2MASSJ1155-7919B	WFC3/UVIS	1	08-May-2023 12:00:33.0	yes

31 Total Orbits Used

ABSTRACT

The remarkable breadth of exoplanetary systems most likely finds its origin in their parent protoplanetary disks. Understanding the diversity of the physical properties and evolutionary pathways of these disks is therefore key to interpret the wealth of data that has been accumulated on exoplanets over the past two decades. High-angular resolution observations of disks, the most direct method to characterize their properties, is a challenging task in most cases and detailed individual studies are limited to a small set of favorable objects which are unlikely to be representative of the entire population. Edge-on protoplanetary disks offer unique advantages by blocking direct starlight and by providing an ideal perspective to study the disk vertical structure, which is expected to be affected by dust settling as part of the planet formation process. After a few serendipitous early discoveries, a method to identify likely edge-on disks was designed based on their peculiar spectral energy distribution. An HST pilot program confirmed that over half of the candidates were resolved as edge-on disks. Here we propose to conduct a complete survey of all HST-accessible edge-on disk candidates in four nearby star-forming regions (Taurus-Auriga, Chamaeleon, Lupus, Ophiuchus) to confirm their nature, and to enable a statistically meaningful ensemble analysis of the properties of protoplanetary disks. This survey is expected to roughly triple the number of edge-on disks identified through a uniform set of criteria in these regions and will allow us to empirically determine the true diversity of disk properties and to identify trends connected to disk evolution.

OBSERVING DESCRIPTION

The program aims at imaging objects that are candidate edge-on protoplanetary disks based on SED selection criteria that our group has tailored based on known samples of such objects. We selected the 29 highest priority targets in four nearby star-forming regions (Taurus, Ophiuchus, Lupus, Chamaeleon) that have not yet been observed with HST and cannot be observed with ground-based adaptive optics. To achieve the highest spatial resolution, the primary mode of observation is WFC3/UVIS with the F606W filter, combined with a shorter F814W observation to obtain color information and distangle jet emission from scattered light off the disk. Due primarily to foreground extinction, some objects are too red for this strategy to be effective. Instead, we adopt either 1) a single F814W observation (2 targets), or 2) a WFC3/IR F160W observation (13 targets). In the latter case, we adopt the F610W filter instead of the F110W filter to avoid the worst undersampling of the camera at the shorter wavelength. Furthermore, because the sources are located in molecular clouds, they are often rather isolated and single guide star acquisition is preferred/necessary. The loss of performance in terms of roll drift is acdeptable given the individual integration times and the fact that WFC3 is essentially on-axis.

In all cases, exposures are split using CR-SPLIT=2 or CR-SPLIT=3 for cosmic ray rejection. We prefer this to dithering in order to preserve the sharpest images, with easier to model PSF. The interesting objects are extended and thus the finer PSF samlpign enabled by dithering is not necessary

for the analysis.

The only APT warnings are about:
1) the relatively short integration times with the F814W filter, which could lead to non-negligible CTE. In our experience, this does not affect the quality of edge-on disk images and thus we opted to not use the FLASH option.
2) single guide star acquisition setup for the 2-filter UVIS sequences (14 such objects). We are not sure why this is since for single-filter UVIS and IR sequences, this is not an issue. Suggestions are welcome if the requested setup is suboptimal.

Visit

Proposal 17067, SSTTAUJ041535.6+284741 (01), completed Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTTAUJ041535.6+284741 (01)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

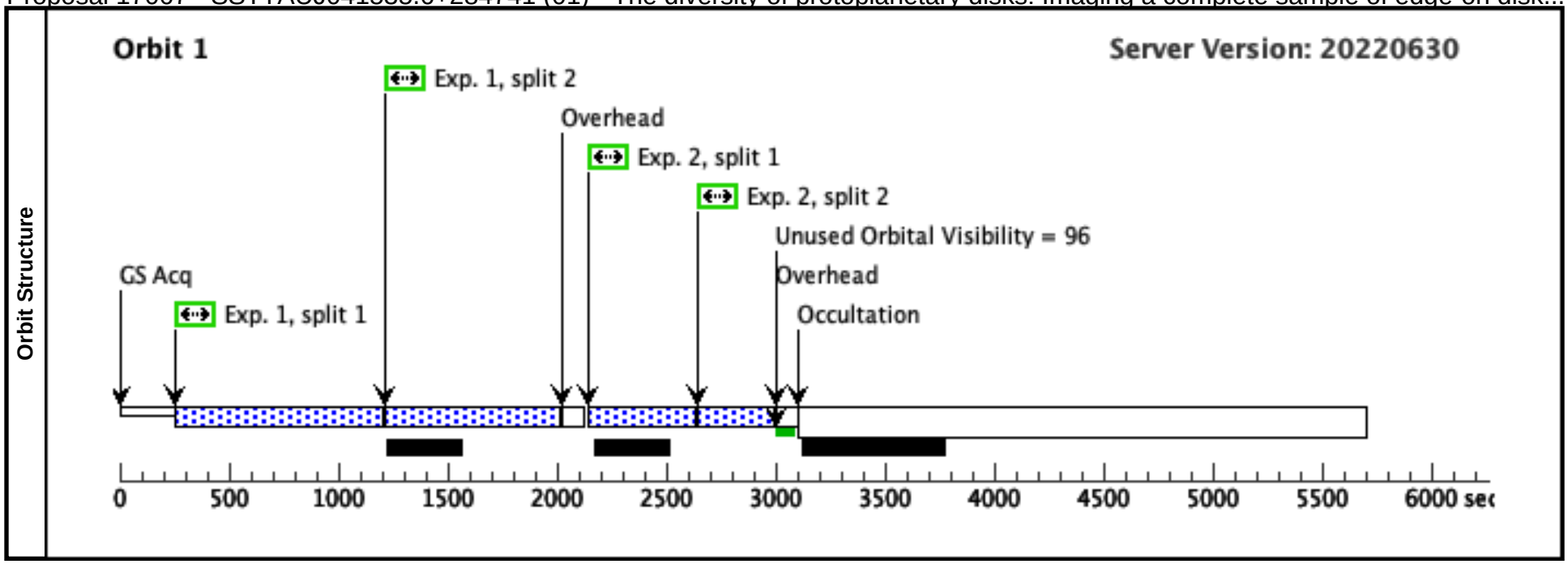
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SSTTAUJ041535.6+284741	RA: 04 15 35.6000 (63.8983333d) Dec: +28 47 41.00 (28.79472d) Equinox: J2000		V=(?) R=19.6, I=15.8	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(2) SSTTAUJ041535.6+284741	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1600 Secs (1600 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(2) SSTTAUJ041535.6+284741	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Unused Orbital Visibility = 96
Overhead
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTTAUJ041810.5+284447 (02), completed Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTTAUJ041810.5+284447 (02)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (02.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

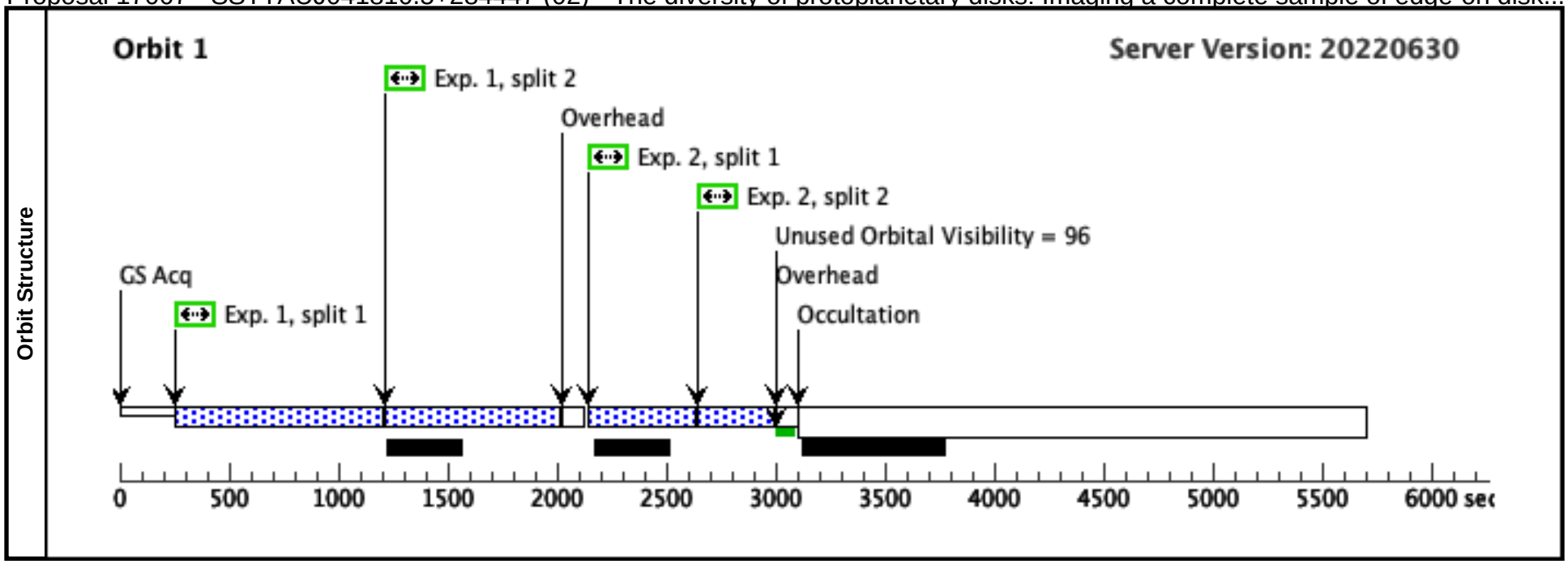
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SSTTAUJ041810.5+284447	RA: 04 18 10.5000 (64.5437500d) Dec: +28 44 47.00 (28.74639d) Equinox: J2000		V=(?) R=18.9, I=16.6	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(3) SSTTAUJ041810.5+284447	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1600 Secs (1600 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(3) SSTTAUJ041810.5+284447	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20220630
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Exp. 2, split 2
Unused Orbital Visibility = 96
Overhead
Occultation
GS Acq
Exp. 1, split 1
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1000
1500
2000
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3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTTAUJ042730.2+244123 (03), completed Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTTAUJ042730.2+244123 (03)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (03.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

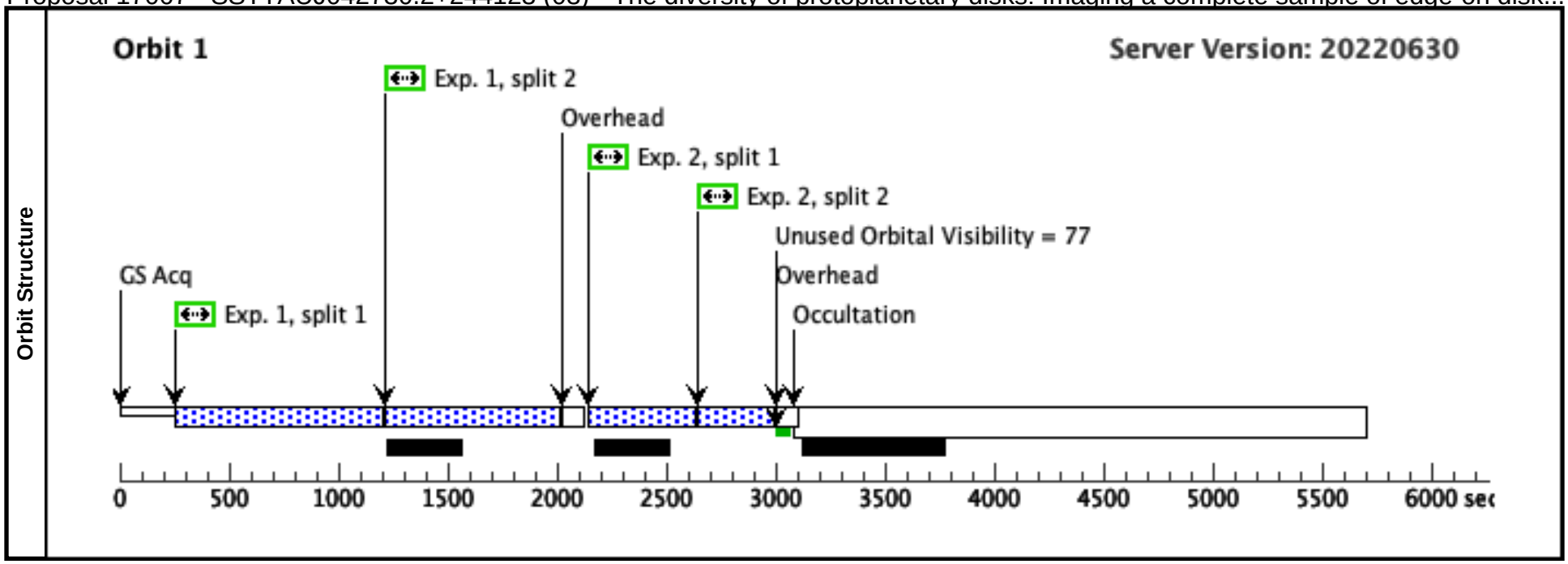
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SSTTAUJ042730.2+244123	RA: 04 27 30.2000 (66.8758333d) Dec: +24 41 23.00 (24.68972d) Equinox: J2000		V=(?) R=17.9, I=16.2	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(5) SSTTAUJ042730.2+244123	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1600 Secs (1600 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
2	F814W	(5) SSTTAUJ042730.2+244123	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***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Server Version: 20220630
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Exp. 2, split 1
Exp. 2, split 2
Unused Orbital Visibility = 77
Overhead
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTTAUJ043557.6+225357 (13), failed Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTTAUJ043557.6+225357 (13)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (13.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

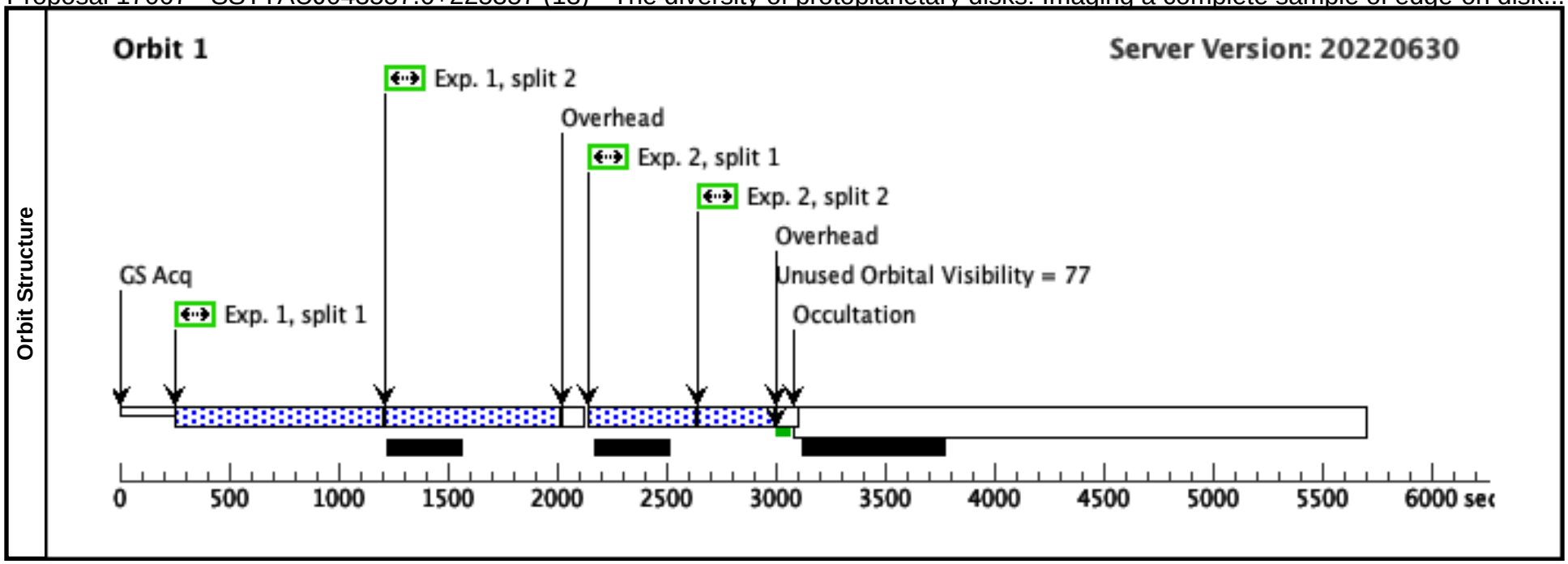
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(43)	SSTTAUJ043557.6+225357	RA: 04 35 57.6000 (68.9900000d) Dec: +22 53 57.00 (22.89917d) Equinox: J2000		V=(?) R=20.4, I=18.1	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(43) SSTTAUJ043557.6+225357	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1600 Secs (1600 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(43) SSTTAUJ043557.6+225357	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*


Orbit Structure
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Server Version: 20220630
Exp. 1, split 2
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Exp. 2, split 1
Exp. 2, split 2
Overhead
Unused Orbital Visibility = 77
Occultation
GS Acq
Exp. 1, split 1
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500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, HOPR failed 13 (Z3), scheduling Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: This is a HOPR of failed visit 13.

Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(HOPR failed 13 (Z3)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (Z3.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

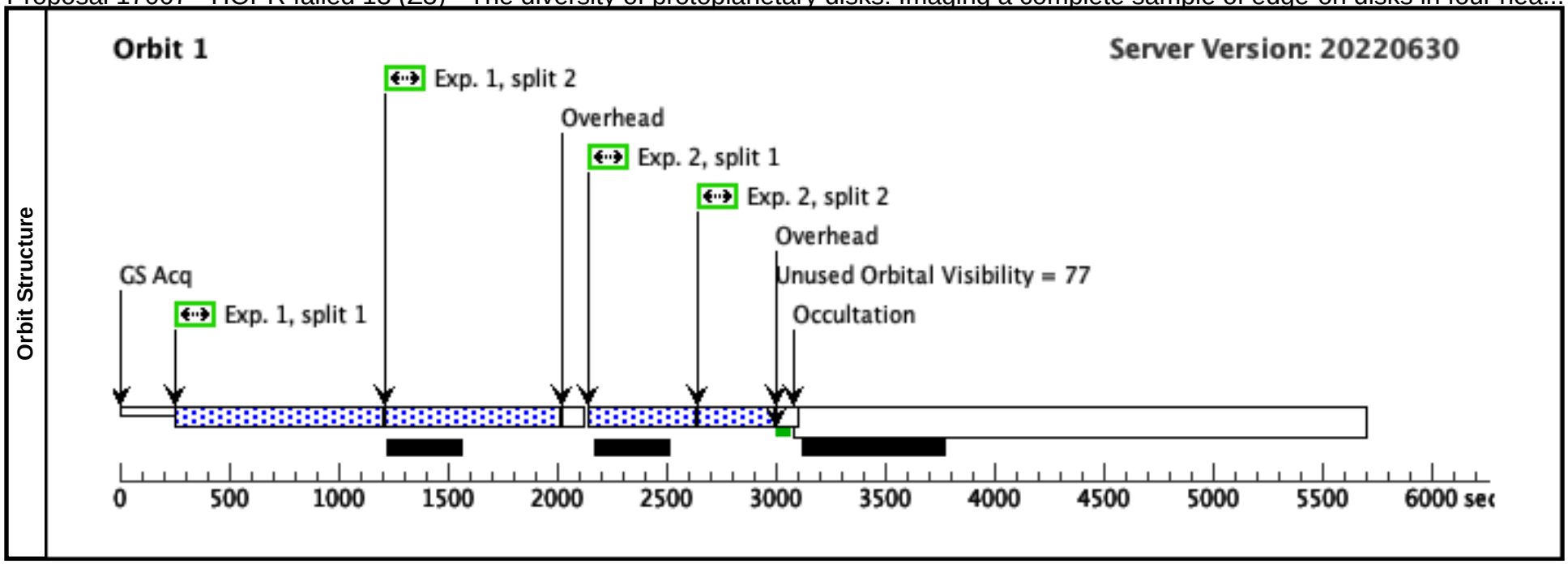
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(43)	SSTTAUJ043557.6+225357	RA: 04 35 57.6000 (68.9900000d) Dec: +22 53 57.00 (22.89917d) Equinox: J2000		V=(?) R=20.4, I=18.1	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(43) SSTTAUJ043557.6+225357	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1600 Secs (1600 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
2	F814W	(43) SSTTAUJ043557.6+225357	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Overhead
Unused Orbital Visibility = 77
Occultation
GS Acq
Exp. 1, split 1
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500
1000
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2000
2500
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3500
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4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTTAUJ043642.0+265339 (14), completed Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTTAUJ043642.0+265339 (14)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED

(SSTTAUJ043642.0+265339 (14)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED

(SSTTAUJ043642.0+265339 (14)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED

Fixed Targets

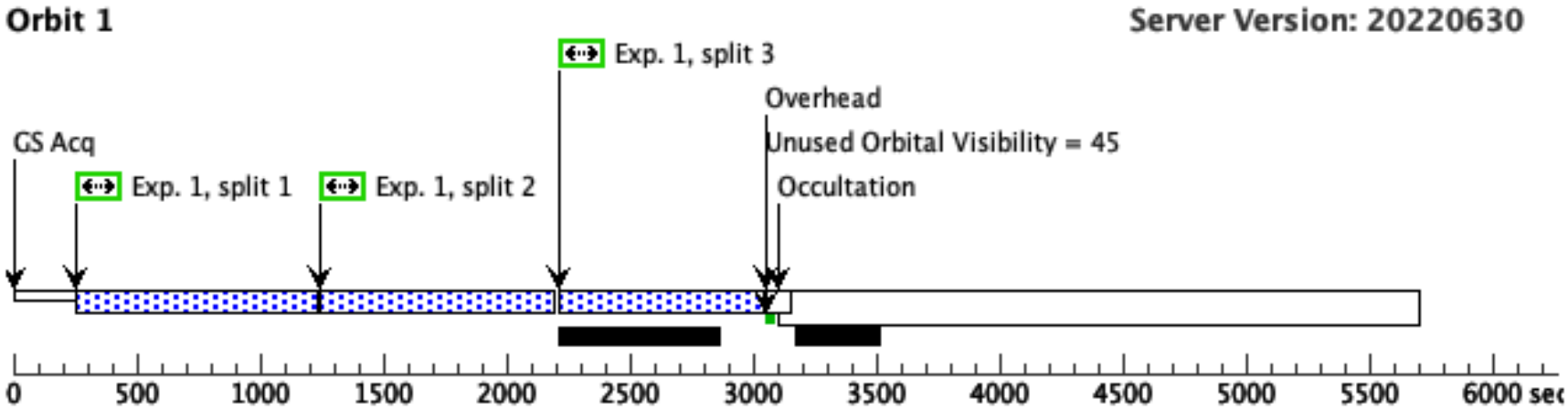
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SSTTAUJ043642.0+265339	RA: 04 36 42.0000 (69.1750000d) Dec: +26 53 39.00 (26.89417d) Equinox: J2000		V=(?) I=20.0	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F814W	(7) SSTTAUJ043642.0+265339	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=3	GS ACQ SCENARIO SINGLE		2500 Secs (2500 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]*	*[1]*

Orbit Structure



Visit

Proposal 17067, SSTC2DJ161027.4-390230 (15), scheduling Mon May 08 16:00:34 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Fixed Targets

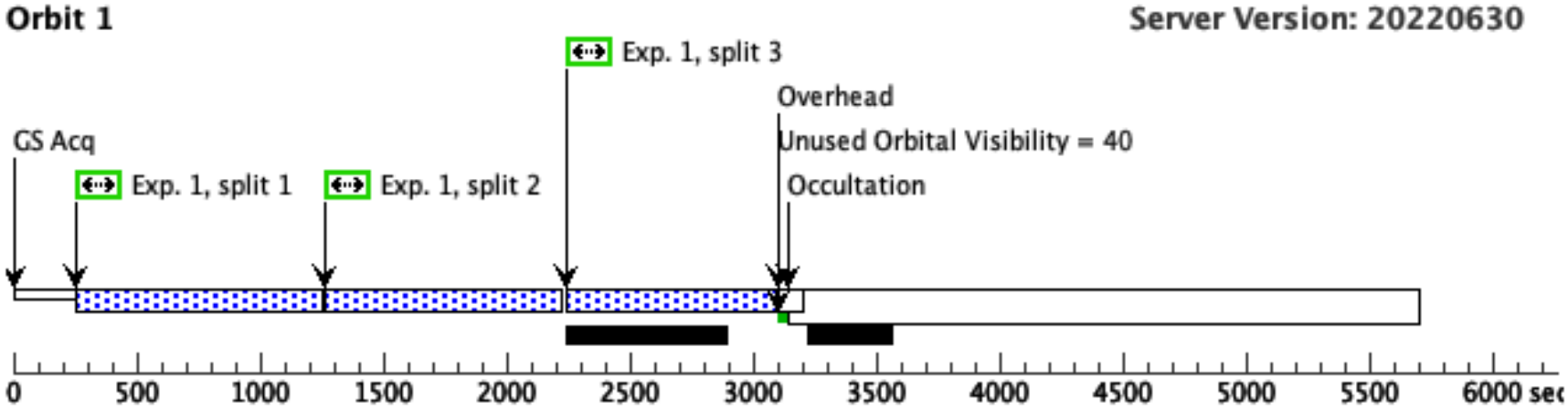
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	SSTC2DJ161027.4-390230	RA: 16 10 27.4000 (242.6141667d) Dec: -39 02 30.00 (-39.04167d) Equinox: J2000		V=(?) I=19.5	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F814W	(18) SSTC2DJ161027.4-390230	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=3	GS ACQ SCENARIO SINGLE		2550 Secs (2550 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]*	*[1]*

Orbit Structure



Visit

Proposal 17067, SSTGBSJ110952.5-774035 (04), scheduling Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTGBSJ110952.5-774035 (04)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (04.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Fixed Targets

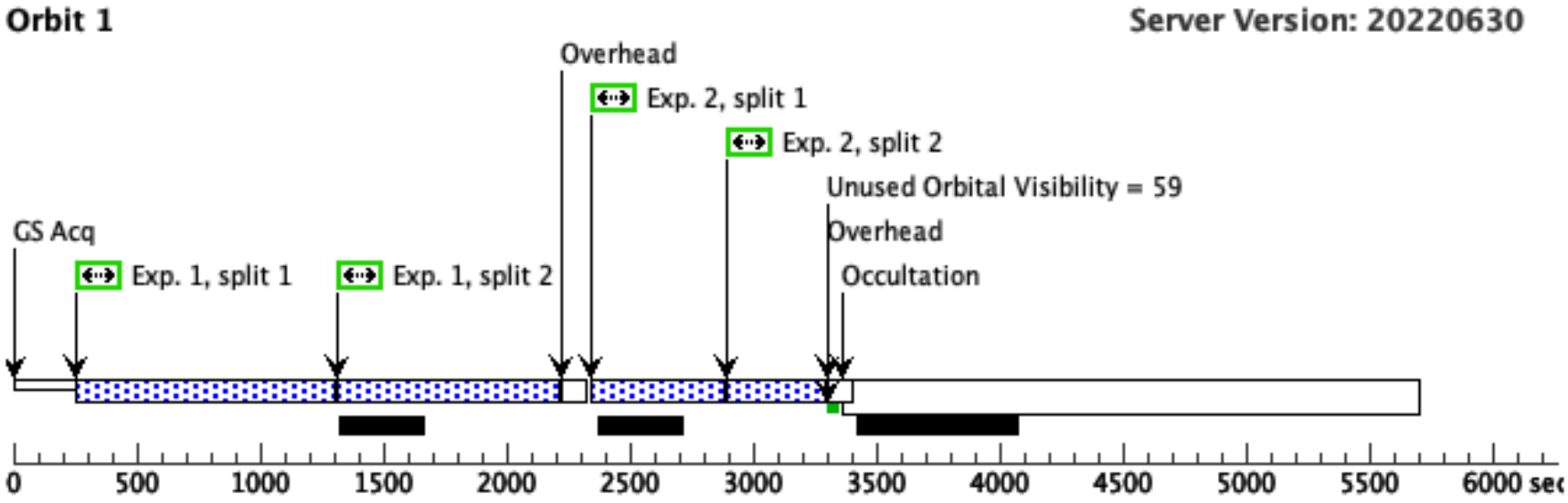
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	SSTGBSJ110952.5-774035	RA: 11 09 52.5000 (167.4687500d) Dec: -77 40 35.00 (-77.67639d) Equinox: J2000		V=(?) R=19.5, I=18.2	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(11) SSTGBSJ110952.5-774035	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1800 Secs (1800 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(11) SSTGBSJ110952.5-774035	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		800 Secs (800 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*

Orbit Structure



Visit

Proposal 17067, SSTGBSJ111053.6-772500 (05), completed Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTGBSJ111053.6-772500 (05)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (05.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Fixed Targets

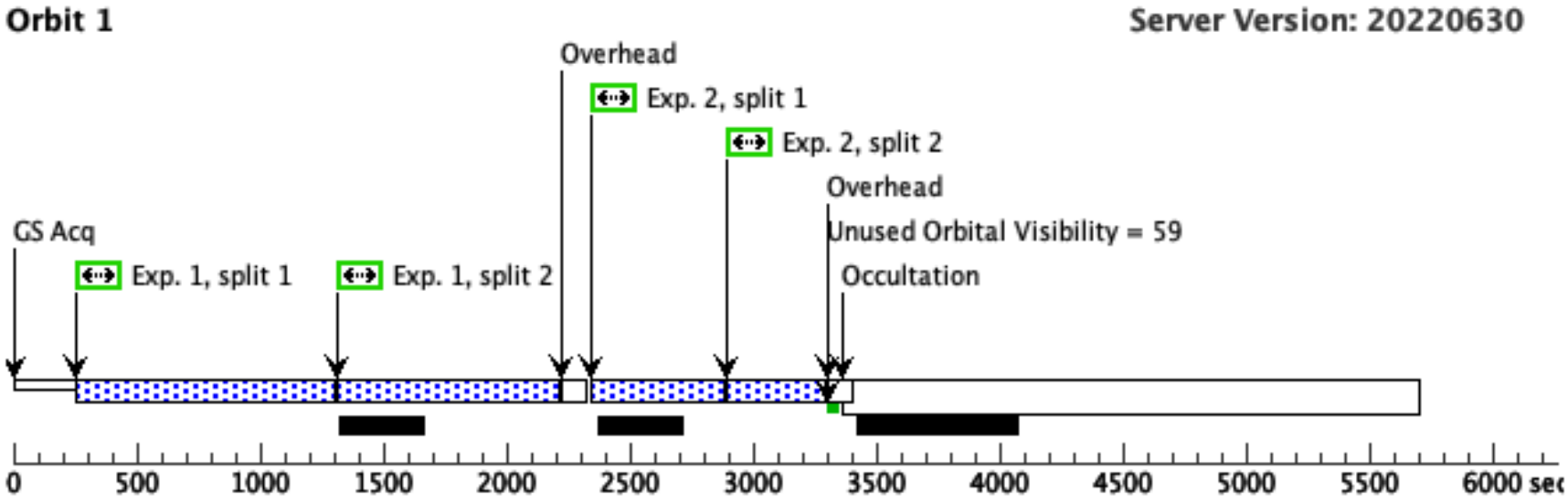
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	SSTGBSJ111053.6-772500	RA: 11 10 53.6000 (167.7233333d) Dec: -77 25 0.00 (-77.41667d) Equinox: J2000		V=(?) R=20.0, I=17.5	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(13) SSTGBSJ111053.6-772500	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1800 Secs (1800 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(13) SSTGBSJ111053.6-772500	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		800 Secs (800 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*

Orbit Structure



Visit

Proposal 17067, SSTGBSJ130521.7-773809 (06), scheduling Mon May 08 16:00:34 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTGBSJ130521.7-773809 (06)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (06.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Fixed Targets

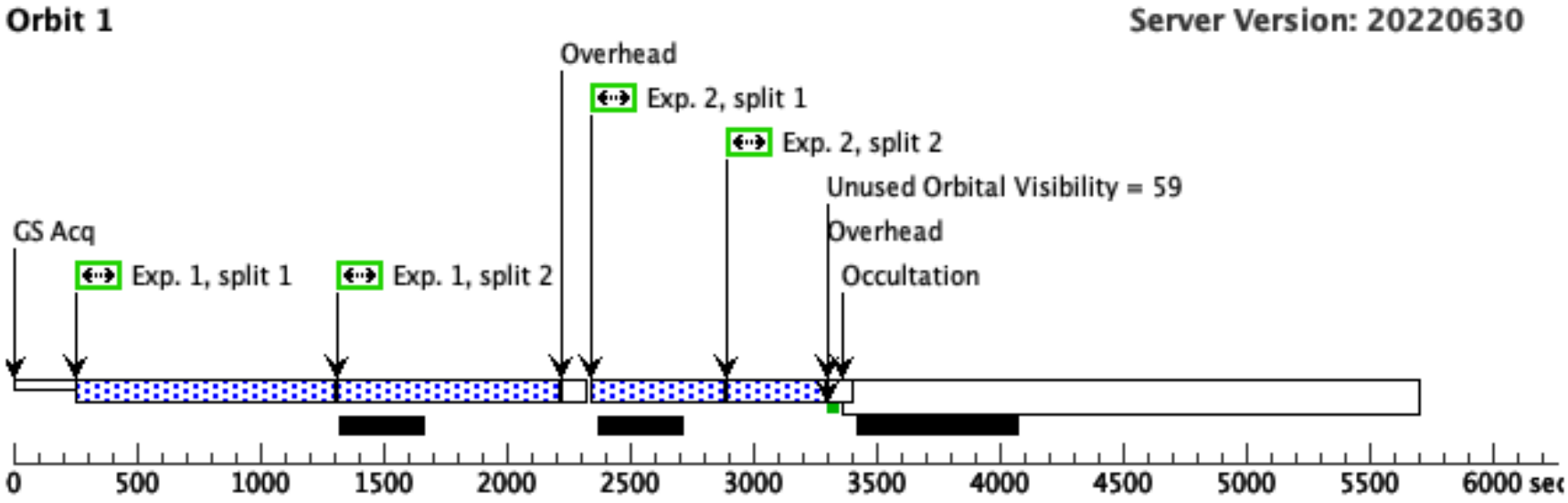
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	SSTGBSJ130521.7-773809	RA: 13 05 21.7000 (196.3404167d) Dec: -77 38 9.00 (-77.63583d) Equinox: J2000		V=(?) R=17.0 I=16.5	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(14) SSTGBSJ130521.7-773809	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1800 Secs (1800 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(14) SSTGBSJ130521.7-773809	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		800 Secs (800 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*

Orbit Structure



Visit

Proposal 17067, SSTGBSJ110721.4-772211 (16), scheduling Mon May 08 16:00:34 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

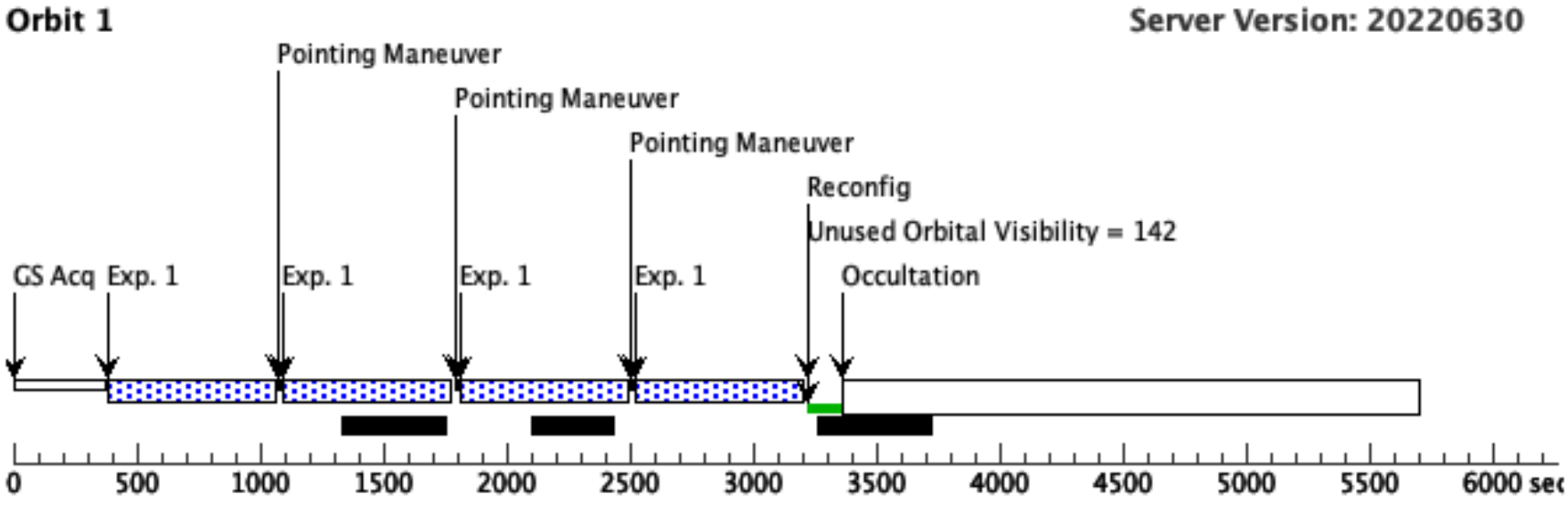
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	SSTGBSJ110721.4-772211	RA: 11 07 21.4000 (166.8391667d) Dec: -77 22 11.00 (-77.36972d) Equinox: J2000		V=(?) H=12.4	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTGBSJ110721.4-772211	(10) SSTGBSJ110721.4-772211	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in SSTGBSJ110721.4-772211 (16) (1)	652.938154 Secs (2611.753 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTGBSJ111003.4-763311 (17), scheduling Mon May 08 16:00:34 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

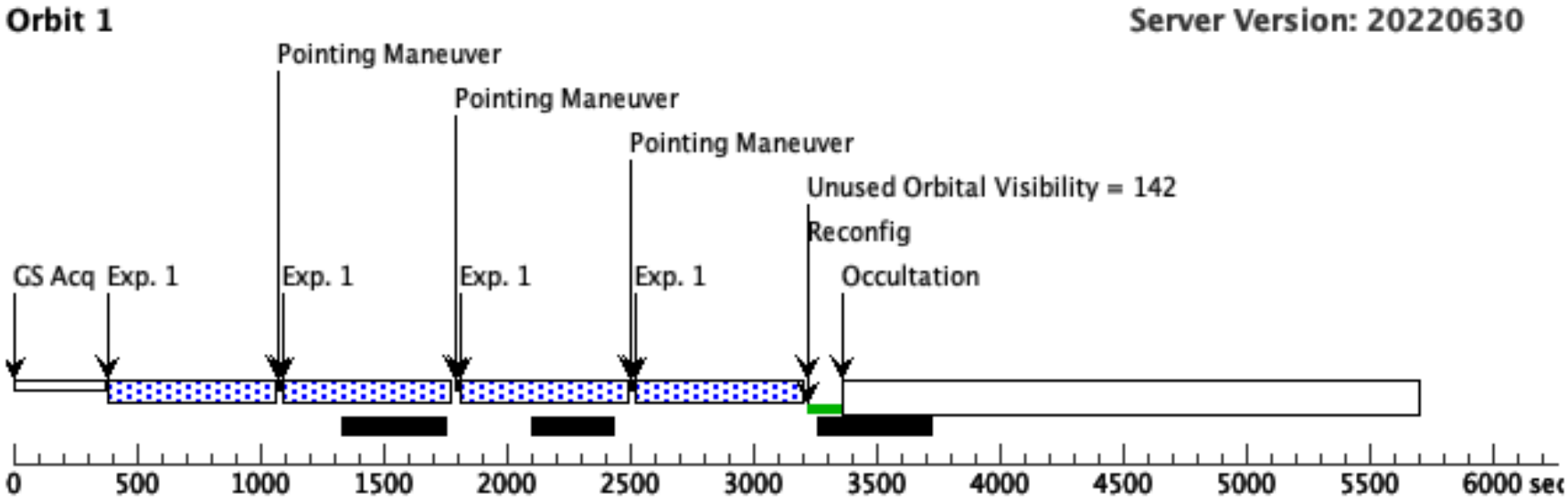
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	SSTGBSJ111003.4-763311	RA: 11 10 3.4000 (167.5141667d) Dec: -76 33 11.00 (-76.55306d) Equinox: J2000		V=(?) H=14.9	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTGBSJ111003.4-763311	(12) SSTGBSJ111003.4-763311	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in SSTGBSJ111003.4-763311 (17) (1)	652.938154 Secs (2611.753 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTC2DJ160115.5-415235 (18), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

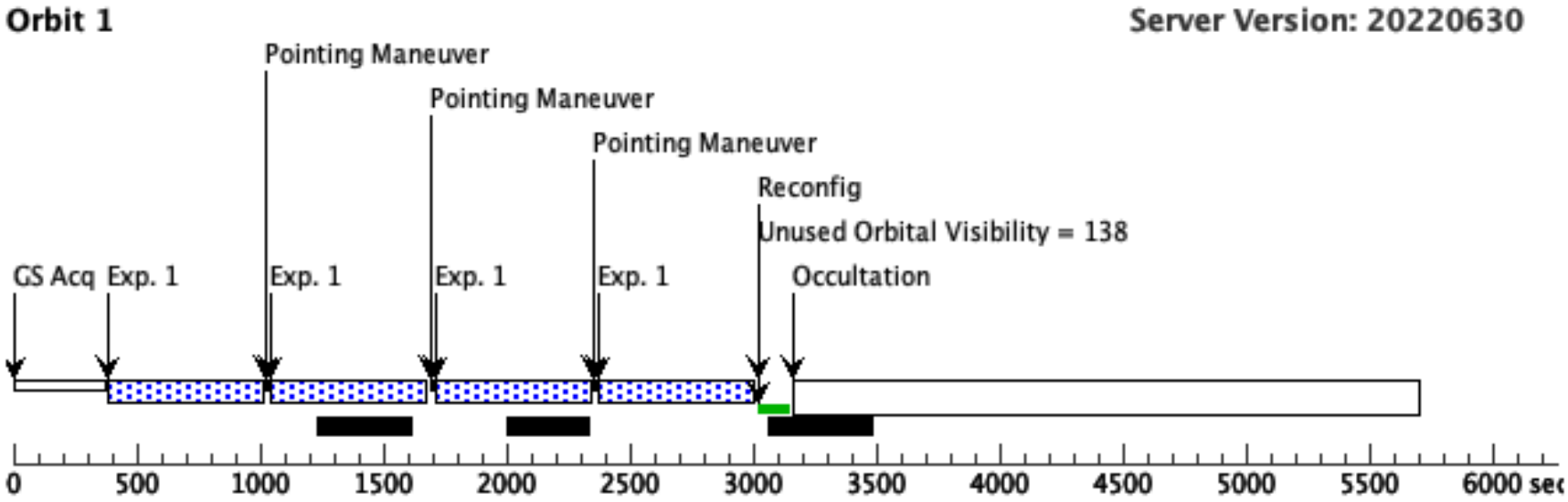
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(20)	SSTC2DJ160115.5-415235	RA: 16 01 15.5000 (240.3145833d) Dec: -41 52 35.00 (-41.87639d) Equinox: J2000		V=(?) H=14.5	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTC2DJ160115.5-415235	(20) SSTC2DJ160115.5-415235	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in SSTC2DJ160115.5-415235 (18) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTC2DJ162648.5-242838 (22), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

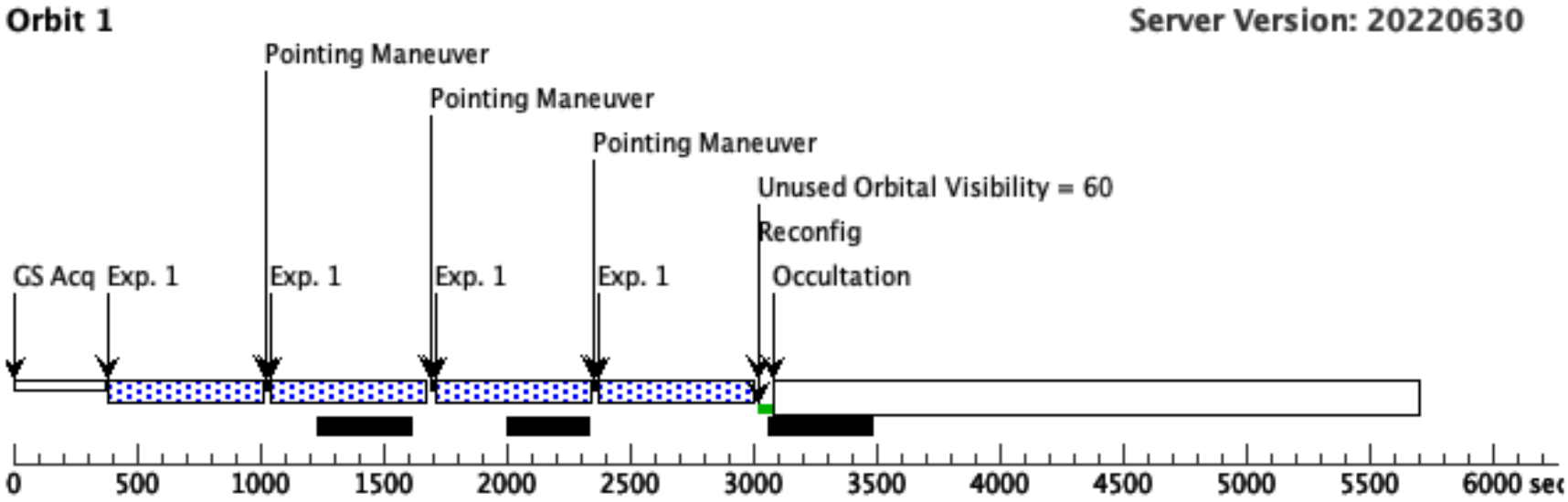
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(31)	SSTC2DJ162648.5-242838	RA: 16 26 48.5000 (246.7020833d) Dec: -24 28 38.00 (-24.47722d) Equinox: J2000		V=(?) H=13.9	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTC2DJ162648.5-242838	(31) SSTC2DJ162648.5-242838	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in SSTC2DJ162648.5-242838 (22) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTC2DJ162703.6-242005 (23), scheduled Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

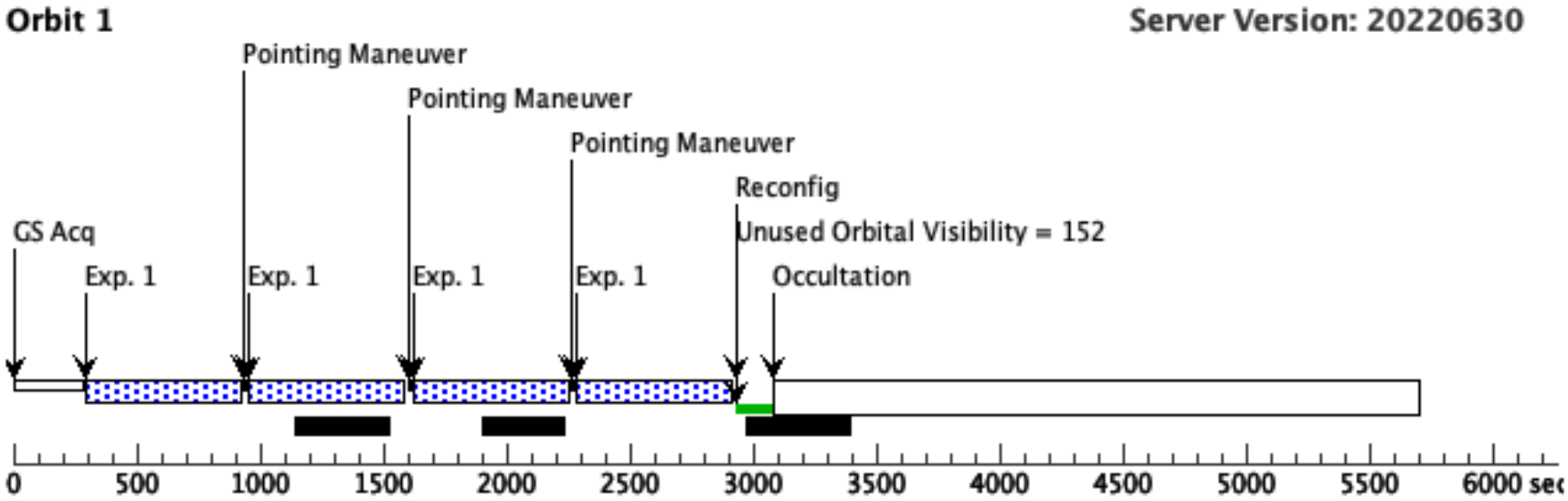
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(32)	SSTC2DJ162703.6-242005	RA: 16 27 3.6000 (246.7650000d) Dec: -24 20 5.00 (-24.33472d) Equinox: J2000		V=(?) H=14.9	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTC2DJ162703.6-242005	(32) SSTC2DJ162703.6-242005	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in SSTC2DJ162703.6-242005 (23) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTC2DJ162738.9-244020 (24), scheduled Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

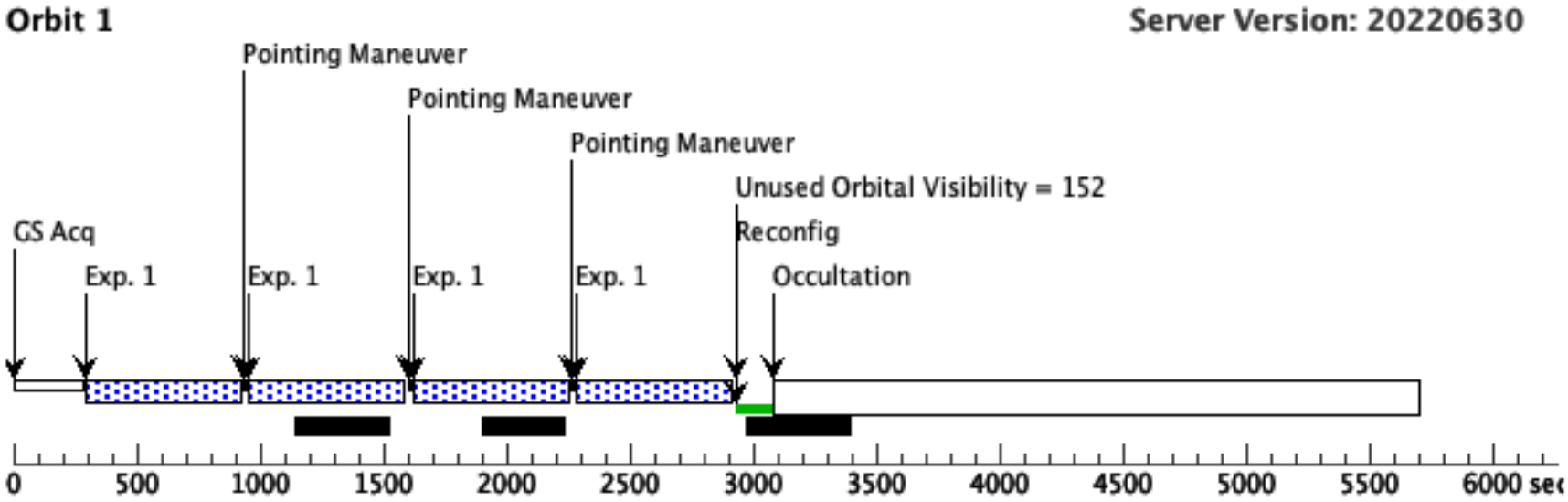
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(33)	SSTC2DJ162738.9-244020	RA: 16 27 38.9000 (246.9120833d) Dec: -24 40 20.00 (-24.67222d) Equinox: J2000		V=(?) H=13.9	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTC2DJ162738.9-244020	(33) SSTC2DJ162738.9-244020	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in SSTC2DJ162738.9-244020 (24) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	*[1]*

Orbit Structure



Visit

Proposal 17067, SSTC2DJ163952.9-241931 (25), scheduled Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

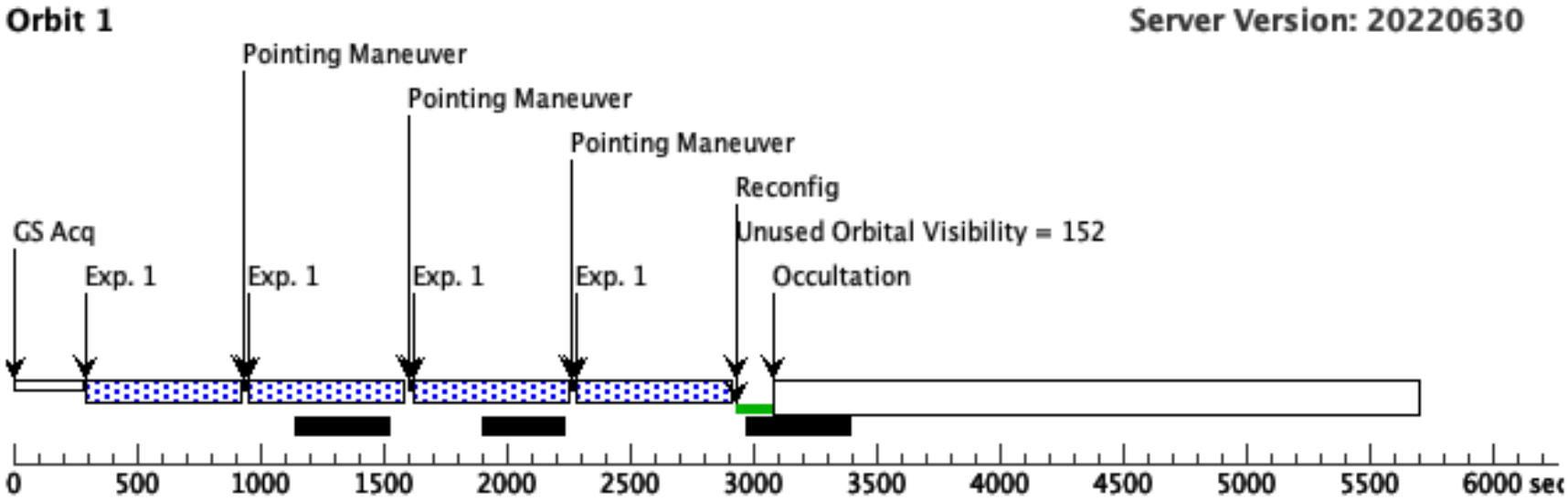
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(35)	SSTC2DJ163952.9-241931	RA: 16 39 52.9000 (249.9704167d) Dec: -24 19 31.00 (-24.32528d) Equinox: J2000		V=(?) H=15.7	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTC2DJ163952.9-241931	(35) SSTC2DJ163952.9-241931	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in SSTC2DJ163952.9-241931 (25) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTC2D162546.6-242336 (26), scheduled Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

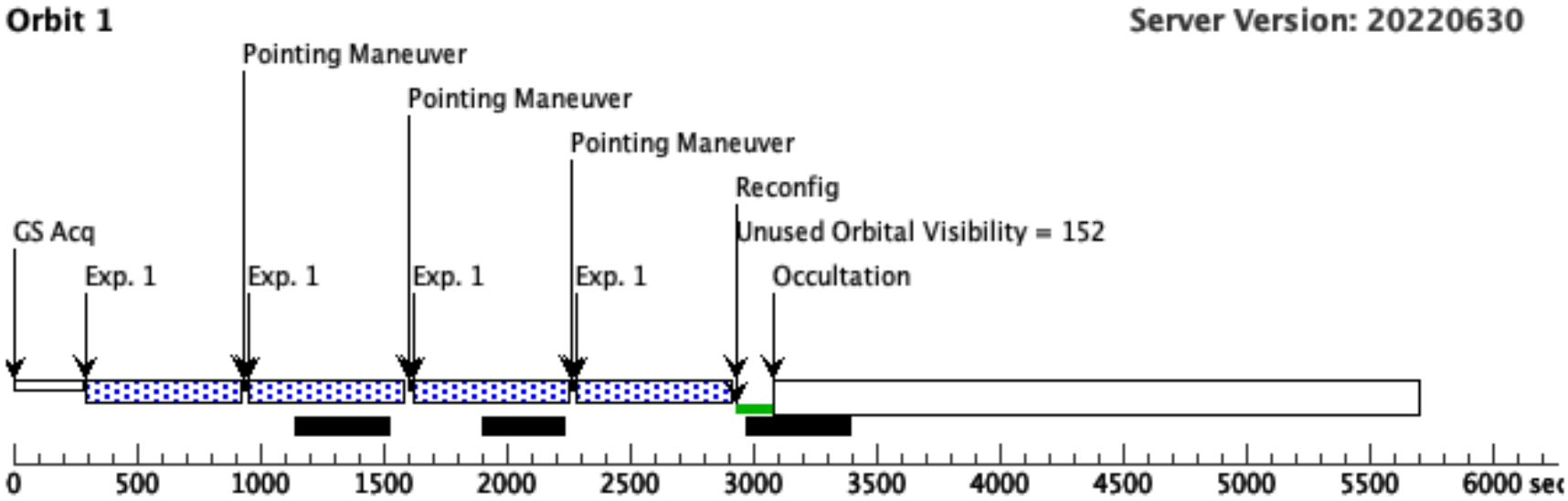
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(38)	SSTC2D162546.6-242336	RA: 16 25 46.6000 (246.4441667d) Dec: -24 23 36.00 (-24.39333d) Equinox: J2000		V=(?) H=16.3	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTC2D162546.6-242336	(38) SSTC2D162546.6-242336	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in SSTC2D162546.6-242336 (26) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTTAUJ041841.3+282725 (27), scheduling Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

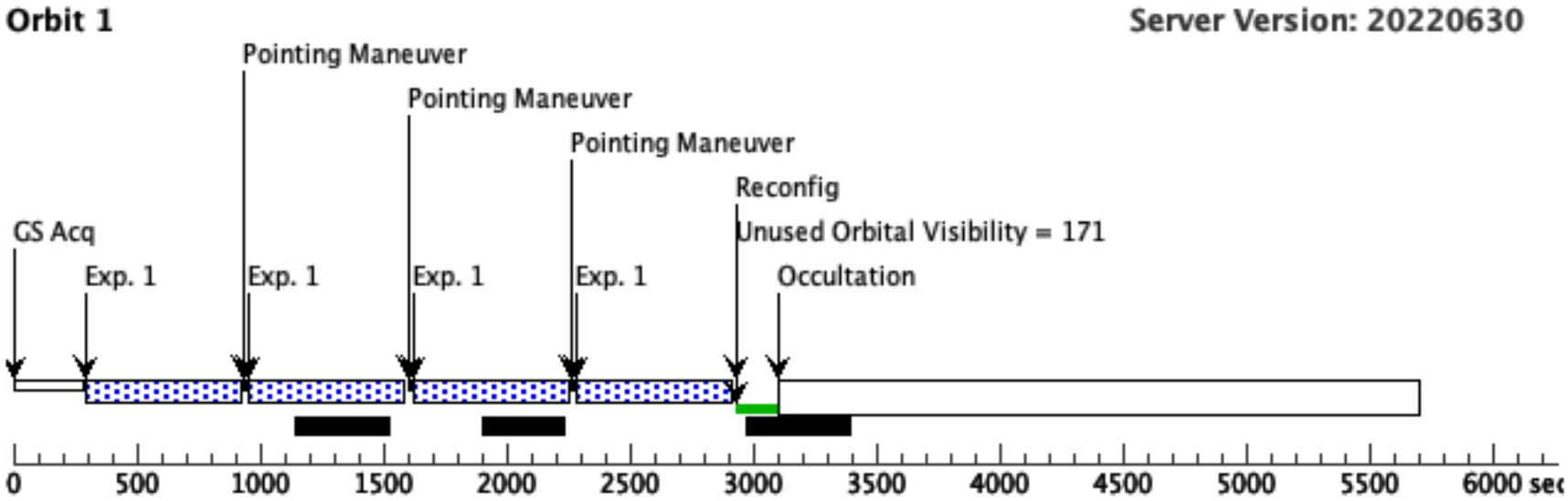
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(39)	SSTTAUJ041841.3+282725	RA: 04 18 41.3000 (64.6720833d) Dec: +28 27 25.00 (28.45694d) Equinox: J2000		V=(?) H=12.9	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTTAUJ041841.3+282725	(39) SSTTAUJ041841.3+282725	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in SSTTAUJ041841.3+282725 (27) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTTAUJ041845.0+282052 (28), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

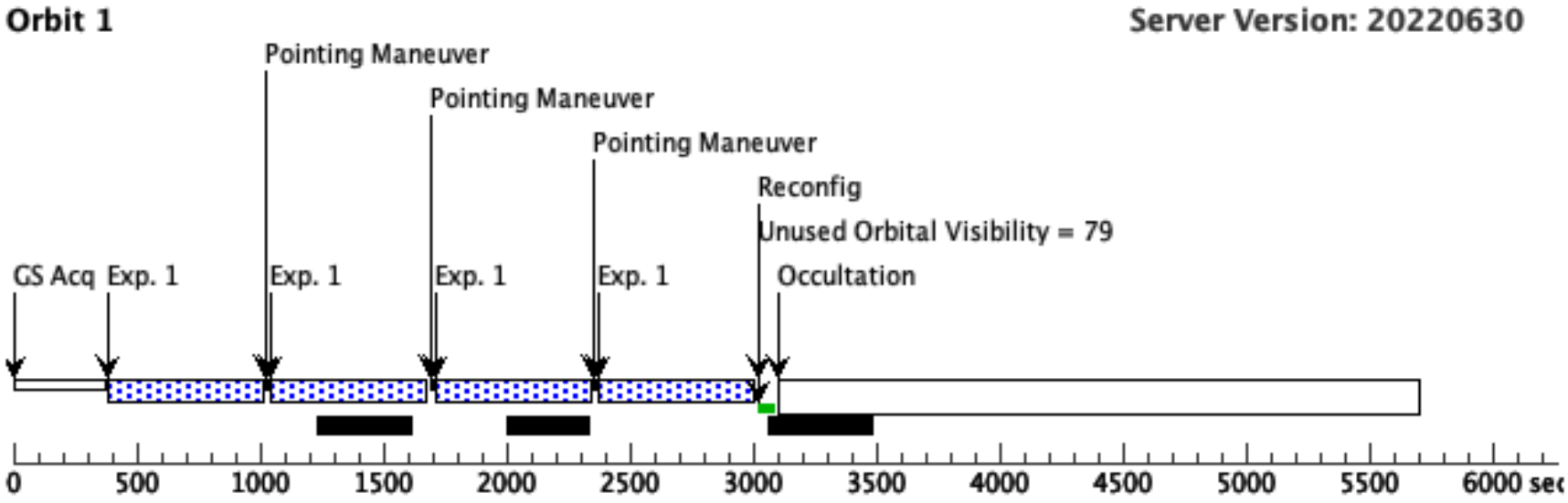
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(41)	SSTTAUJ041845.0+282052	RA: 04 18 45.0000 (64.6875000d) Dec: +28 20 52.00 (28.34778d) Equinox: J2000		V=(?) H=13.4	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTTAUJ041845.0+282052	(41) SSTTAUJ041845.0+282052	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in SSTTAUJ041845.0+282052 (28) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTC2DJ160754.7-391544 (29), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

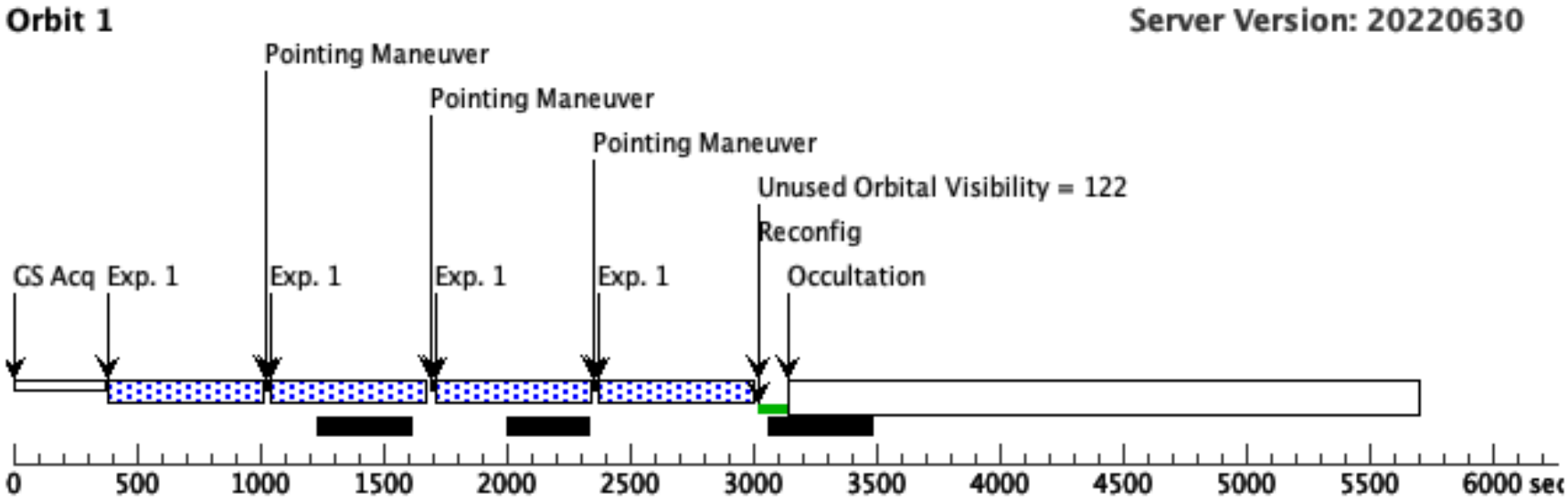
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(42)	SSTC2DJ160754.7-391544	RA: 16 07 54.7000 (241.9779167d) Dec: -39 15 44.00 (-39.26222d) Equinox: J2000		V=(?) H=16.1	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTC2DJ160754.7-391544	(42) SSTC2DJ160754.7-391544	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in SSTC2DJ160754.7-391544 (29) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTD2DJ162704.5-242715 (31), scheduled Mon May 08 16:00:35 GMT 2023

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

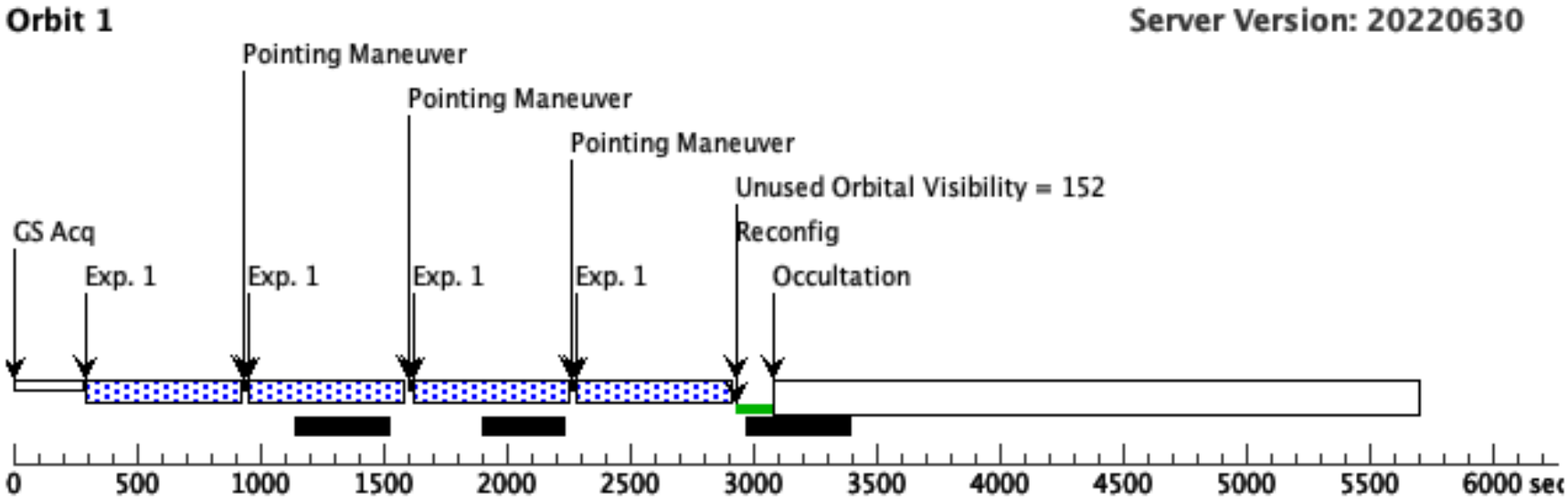
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(46)	SSTD2DJ162704.5-242715	RA: 16 27 4.5000 (246.7687500d) Dec: -24 27 15.00 (-24.45417d) Equinox: J2000		V=(?) H=13.0	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	SSTD2DJ162704.5-242715	(46) SSTD2DJ162704.5-242715	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in SSTD2DJ162704.5-242715 (31) (1)	602.937703 Secs (2411.751 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 17067, SSTC2DJ161204.5-380959 (07), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTC2DJ161204.5-380959 (07)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (07.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

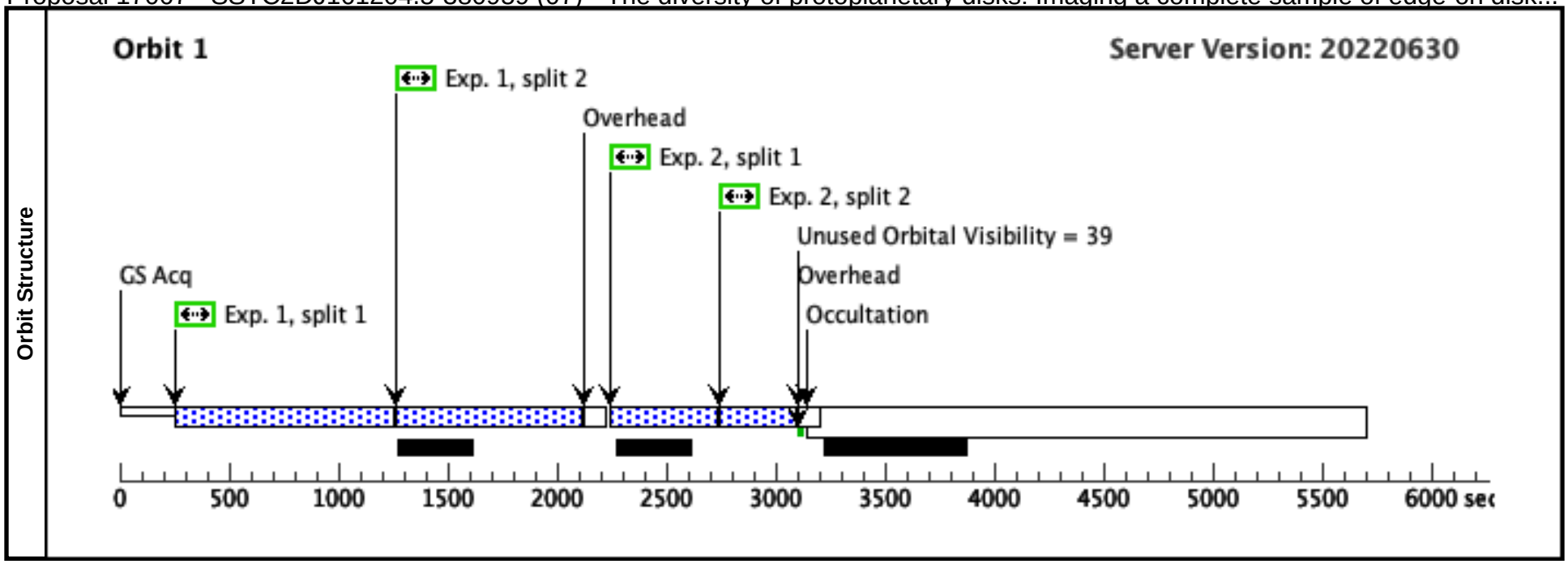
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	SSTC2DJ161204.5-380959	RA: 16 12 4.5000 (243.0187500d) Dec: -38 09 59.00 (-38.16639d) Equinox: J2000		V=(?) R=19.0, I=18.4	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(19) SSTC2DJ161204.5-380959	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1700 Secs (1700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
2	F814W	(19) SSTC2DJ161204.5-380959	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Unused Orbital Visibility = 39
Overhead
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTC2DJ162306.9-225736 (08), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTC2DJ162306.9-225736 (08)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (08.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

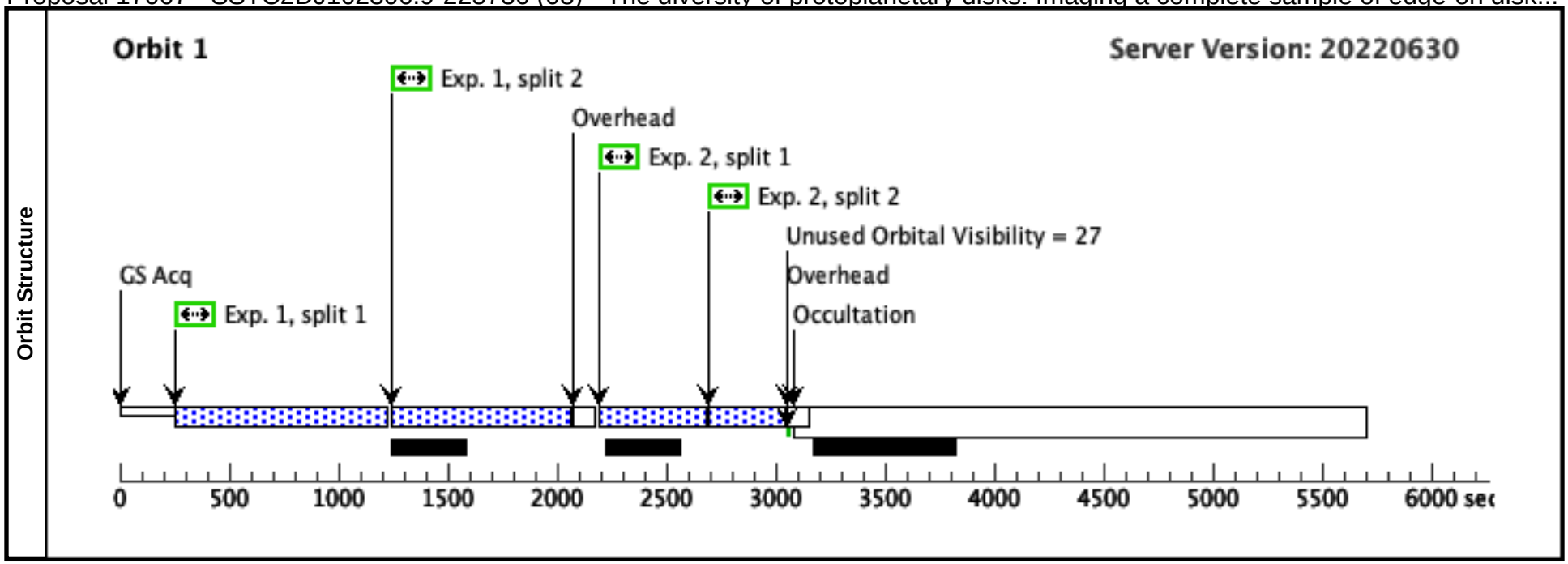
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(22)	SSTC2DJ162306.9-225736	RA: 16 23 6.9000 (245.7787500d) Dec: -22 57 36.00 (-22.96000d) Equinox: J2000		V=(?) R=21.2, I=19.6	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(22) SSTC2DJ162306.9-225736	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1650 Secs (1650 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
2	F814W	(22) SSTC2DJ162306.9-225736	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Unused Orbital Visibility = 27
Overhead
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTC2DJ162332.2-242553 (09), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTC2DJ162332.2-242553 (09)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (09.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

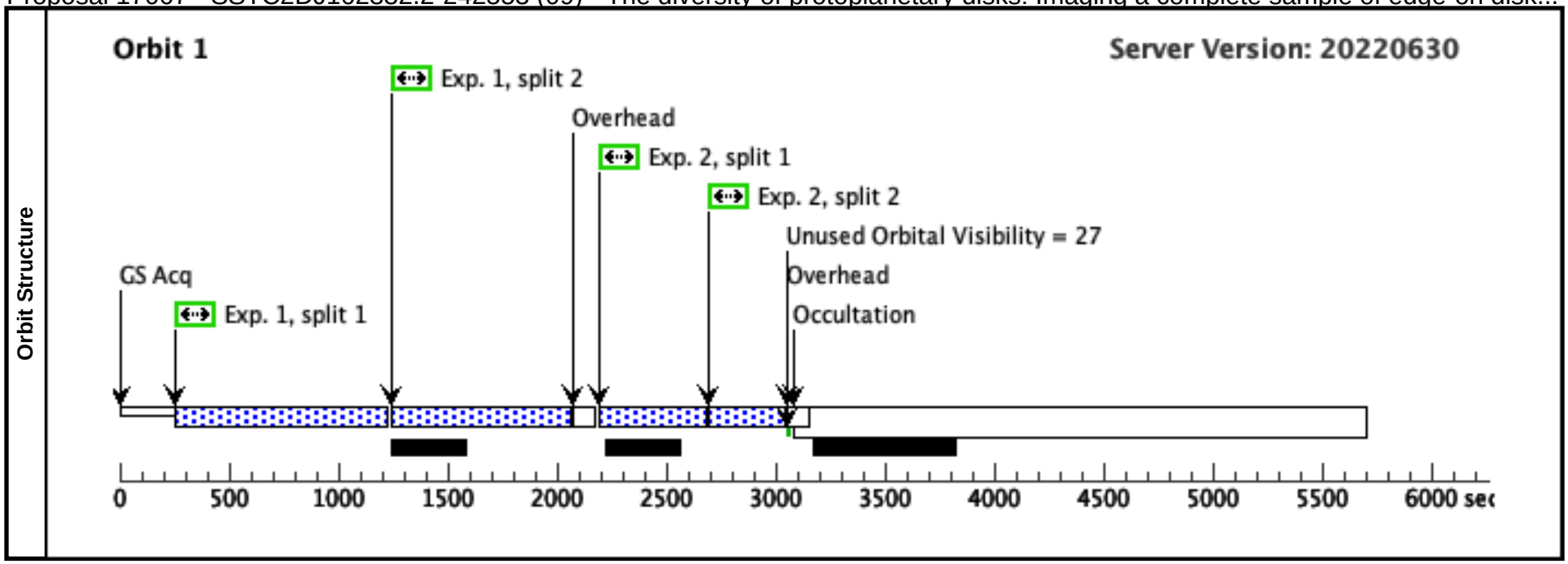
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(23)	SSTC2DJ162332.2-242553	RA: 16 23 32.2000 (245.8841667d) Dec: -24 25 53.00 (-24.43139d) Equinox: J2000		V=(?) R=20.9, I=19.6	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(23) SSTC2DJ162332.2-242553	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1650 Secs (1650 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(23) SSTC2DJ162332.2-242553	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Unused Orbital Visibility = 27
Overhead
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTC2DJ164526.7-240305 (10), completed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTC2DJ164526.7-240305 (10)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (10.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

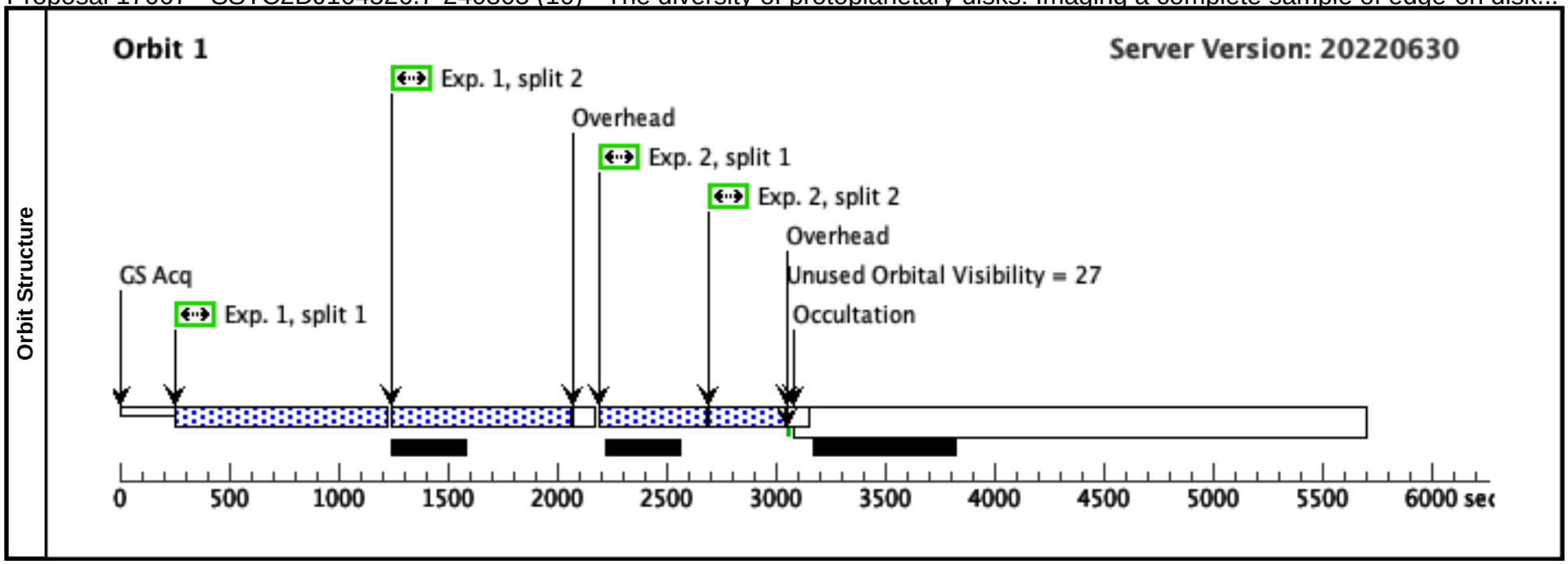
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(36)	SSTC2DJ164526.7-240305	RA: 16 45 26.7000 (251.3612500d) Dec: -24 03 5.00 (-24.05139d) Equinox: J2000		V=(?) R=20.6, I=19.1	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(36) SSTC2DJ164526.7-240305	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1650 Secs (1650 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(36) SSTC2DJ164526.7-240305	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Overhead
Unused Orbital Visibility = 27
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTC2D162305.4-230256 (11), scheduling Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTC2D162305.4-230256 (11)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (11.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

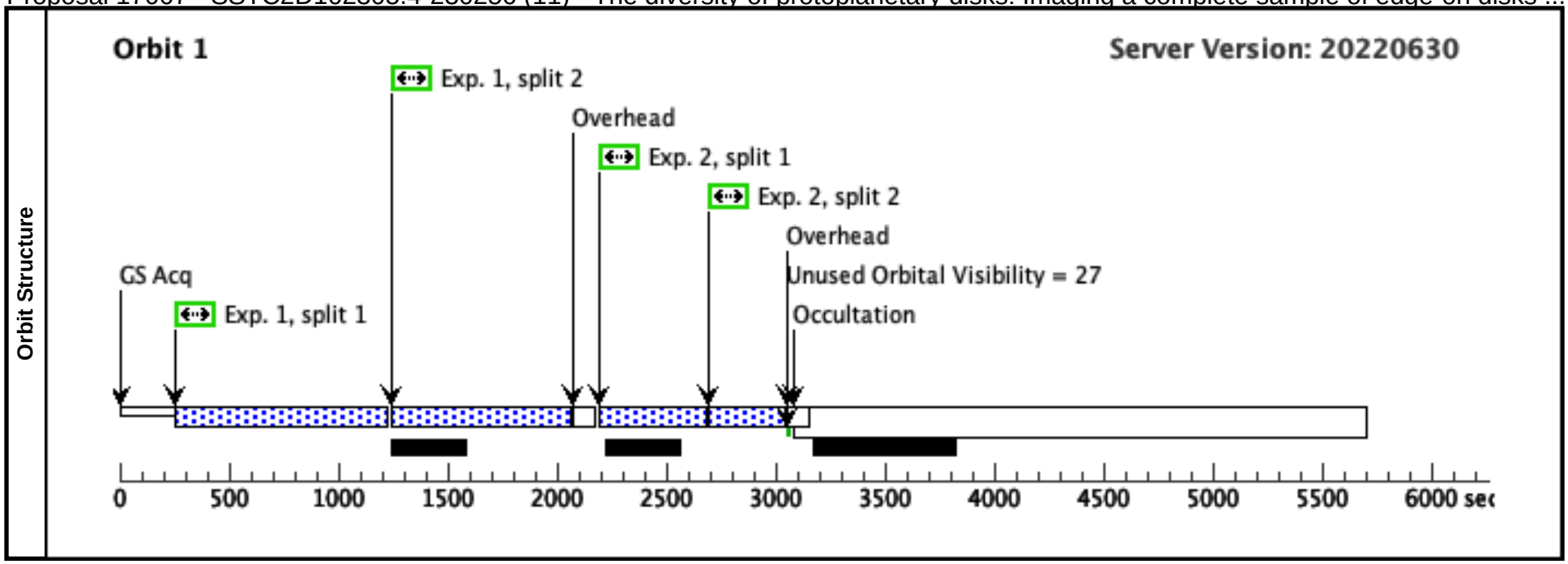
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(37)	SSTC2D162305.4-230256	RA: 16 23 5.4000 (245.7725000d) Dec: -23 02 56.00 (-23.04889d) Equinox: J2000		V=(?) R=17.7, I=16.4	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(37) SSTC2D162305.4-230256	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1650 Secs (1650 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2	F814W	(37) SSTC2D162305.4-230256	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Overhead
Unused Orbital Visibility = 27
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTC2DJ162148.4-234027 (12), scheduling Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTC2DJ162148.4-234027 (12)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (12.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

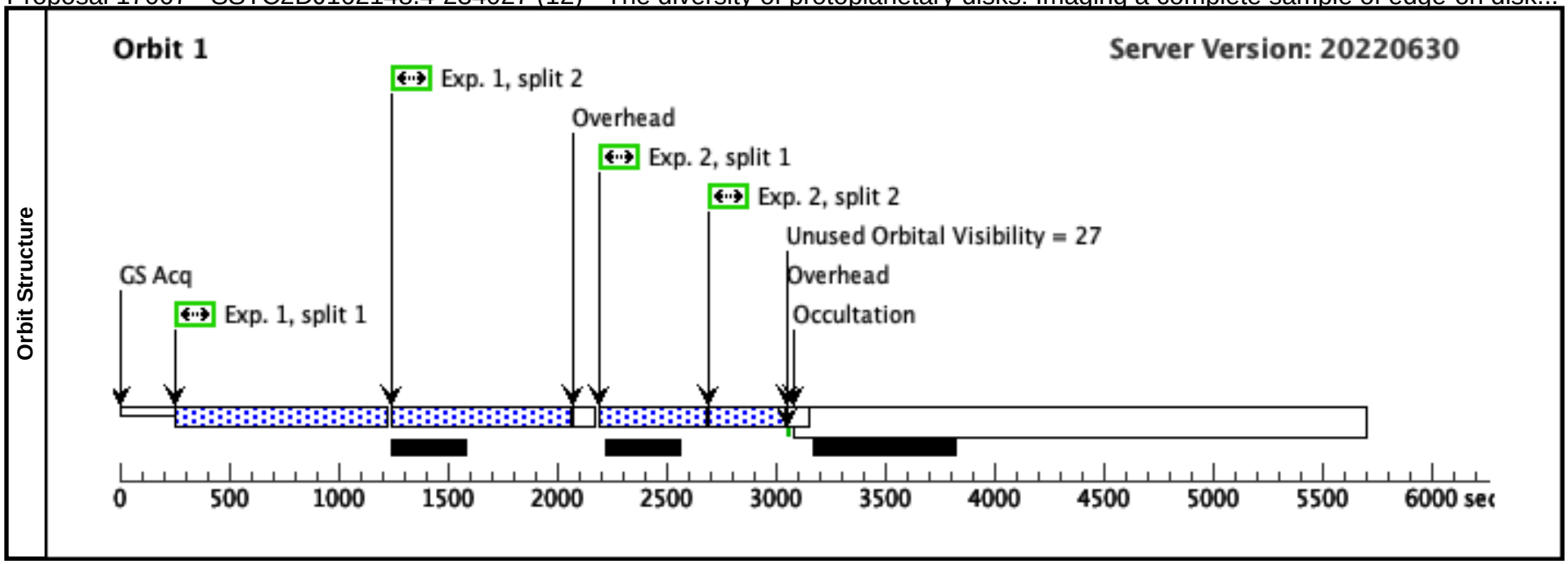
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(40)	SSTC2DJ162148.4-234027	RA: 16 21 48.4000 (245.4516667d) Dec: -23 40 27.00 (-23.67417d) Equinox: J2000		V=(?) R=19.9, I=17.5	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(40) SSTC2DJ162148.4-234027	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1650 Secs (1650 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
2	F814W	(40) SSTC2DJ162148.4-234027	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Unused Orbital Visibility = 27
Overhead
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, SSTC2DJ162730.6-243235 (30), failed Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(SSTC2DJ162730.6-243235 (30)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (30.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

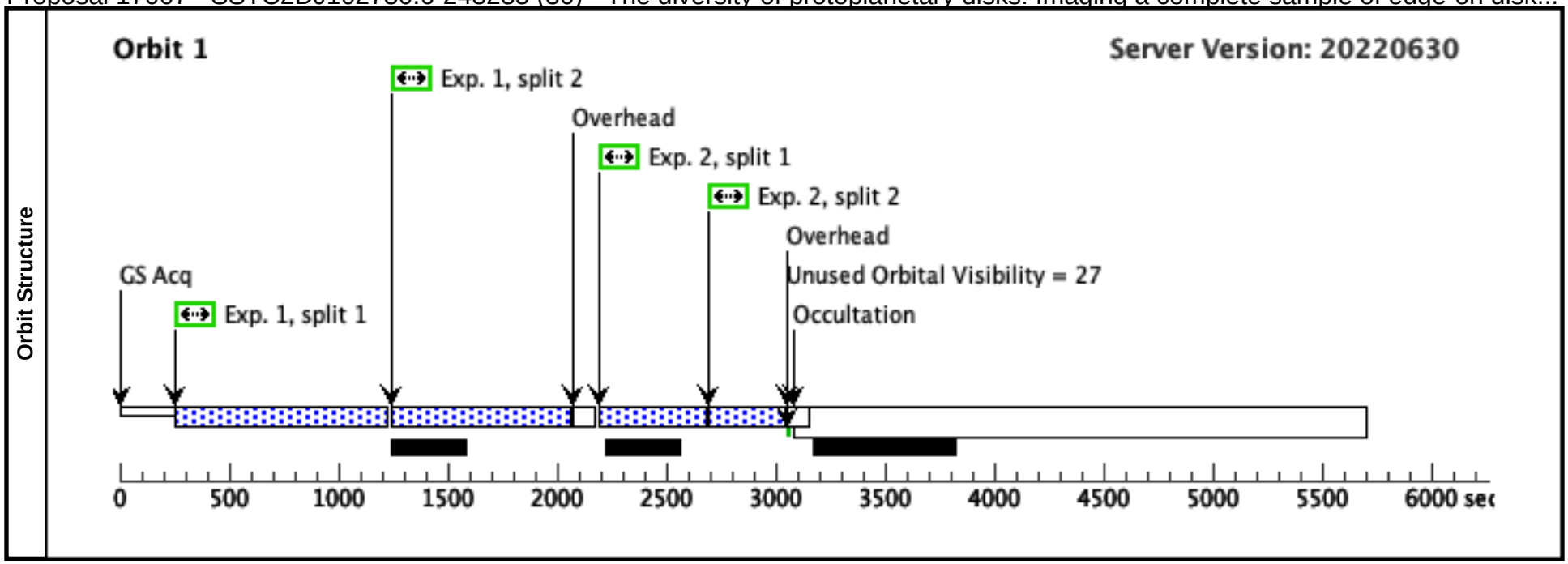
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(45)	SSTC2DJ162730.6-243235	RA: 16 27 30.6000 (246.8775000d) Dec: -24 32 35.00 (-24.54306d) Equinox: J2000		V=(?) R=16.0, I=14.5	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(45) SSTC2DJ162730.6-243235	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1650 Secs (1650 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
2	F814W	(45) SSTC2DJ162730.6-243235	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Overhead
Unused Orbital Visibility = 27
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, HOPR (Z0) Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 50%

Comments: Repeat of failed visit 30

Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located in molecular clouds with few fore/background stars) and using a single improves shcedulability at a small cost in terms of image quality given that WFC3 is on-axis.

Diagnostics

(HOPR (Z0)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT

(F814W (Z0.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

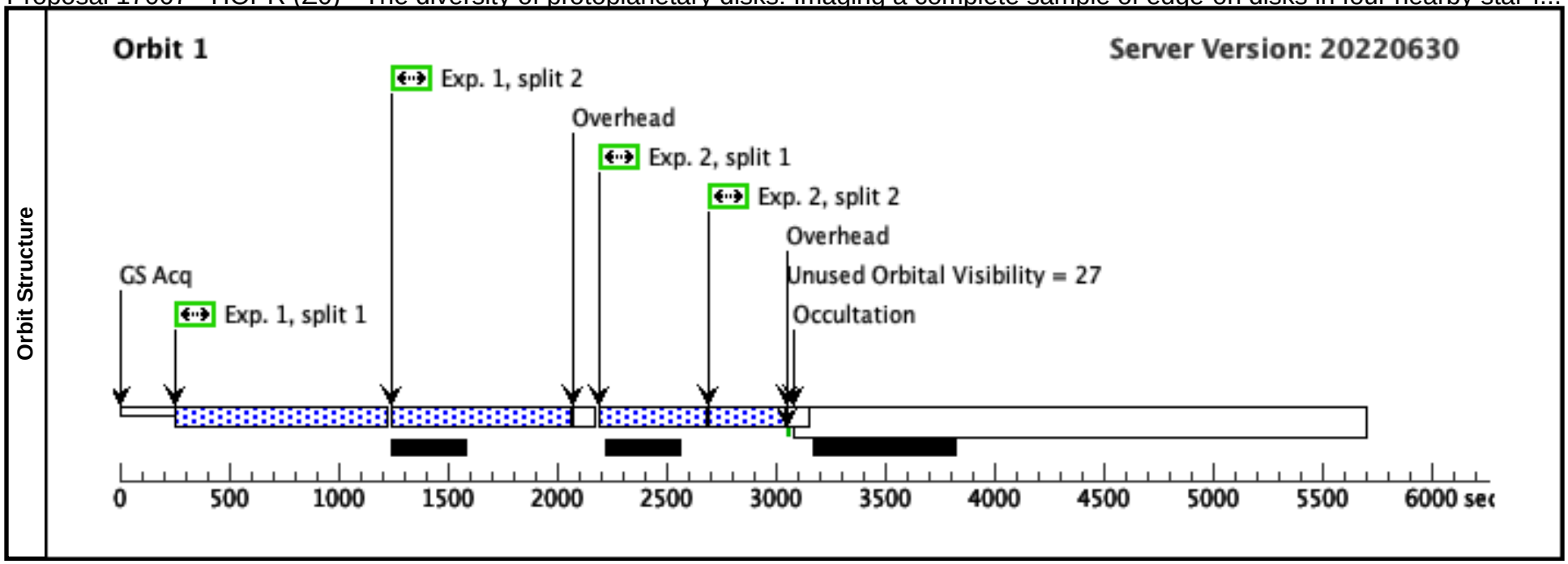
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(45)	SSTC2DJ162730.6-243235	RA: 16 27 30.6000 (246.8775000d) Dec: -24 32 35.00 (-24.54306d) Equinox: J2000		V=(?) R=16.0, I=14.5	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F606W	(45) SSTC2DJ162730.6-243235	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		1650 Secs (1650 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
2	F814W	(45) SSTC2DJ162730.6-243235	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE		700 Secs (700 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 1, split 2
Overhead
Exp. 2, split 1
Exp. 2, split 2
Overhead
Unused Orbital Visibility = 27
Occultation
GS Acq
Exp. 1, split 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17067, 2M1155-79B (Z4), scheduling Mon May 08 16:00:35 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: (none)

Comments: Replacement visit after dropping visit 32 for lack of appropriate guide star (PC note) This is not a HOPR

Diagnostics

(2M1155-79B (Z4)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED

(2M1155-79B (Z4)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED

(2M1155-79B (Z4)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(48)	2MASSJ1155-7919B	RA: 11 55 3.3000 (178.7637500d) Dec: -79 19 14.90 (-79.32081d) Equinox: J2000	Proper Motion RA: -41.347 mas/yr Proper Motion Dec: -4.564 mas/yr Epoch of Position: 2000.0	V=(?) R = 20.0, I = 18.6	Reference Frame: ICRS

Comments:
Category=STAR
Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F814W	(48) 2MASSJ1155-7919B	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=3	GS ACQ SCENARIO SINGLE		2900 Secs (2900 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]*	*[1]*

Orbit Structure