



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

<i>Name</i>	<i>Institution</i>
Dr. Gaspard Duchene (PI) (Contact)	University of California - Berkeley
Dr. Karl Stapelfeldt (CoI)	Jet Propulsion Laboratory
Dr. Francois Menard (CoI) (ESA Member)	Institut de Planetologie et d'Astrophysique de Grenoble
Dr. Marion Villenave (CoI)	Jet Propulsion Laboratory
Dr. Schuyler G. Wolff (CoI)	University of Arizona

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
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

Proposal 17067 (STScI Edit Number: 4, Created: Monday, May 8, 2023 at 11:00:34 AM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
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 disentangle 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 acceptable 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 sampling enabled by dithering is not necessary

Proposal 17067 (STScI Edit Number: 4, Created: Monday, May 8, 2023 at 11:00:34 AM Eastern Standard Time) - Overview for the analysis.

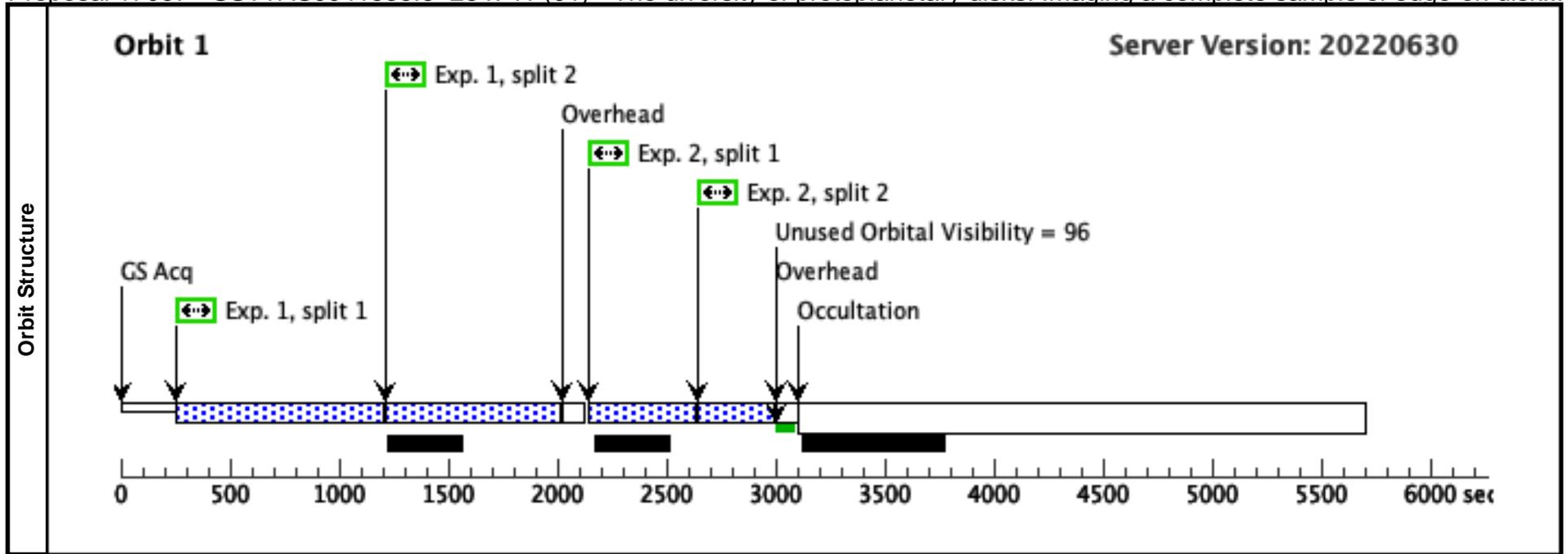
The only APT warnings are about:

- 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.

Proposal 17067 - SSTTAUJ041535.6+284741 (01) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:34 GMT 2023

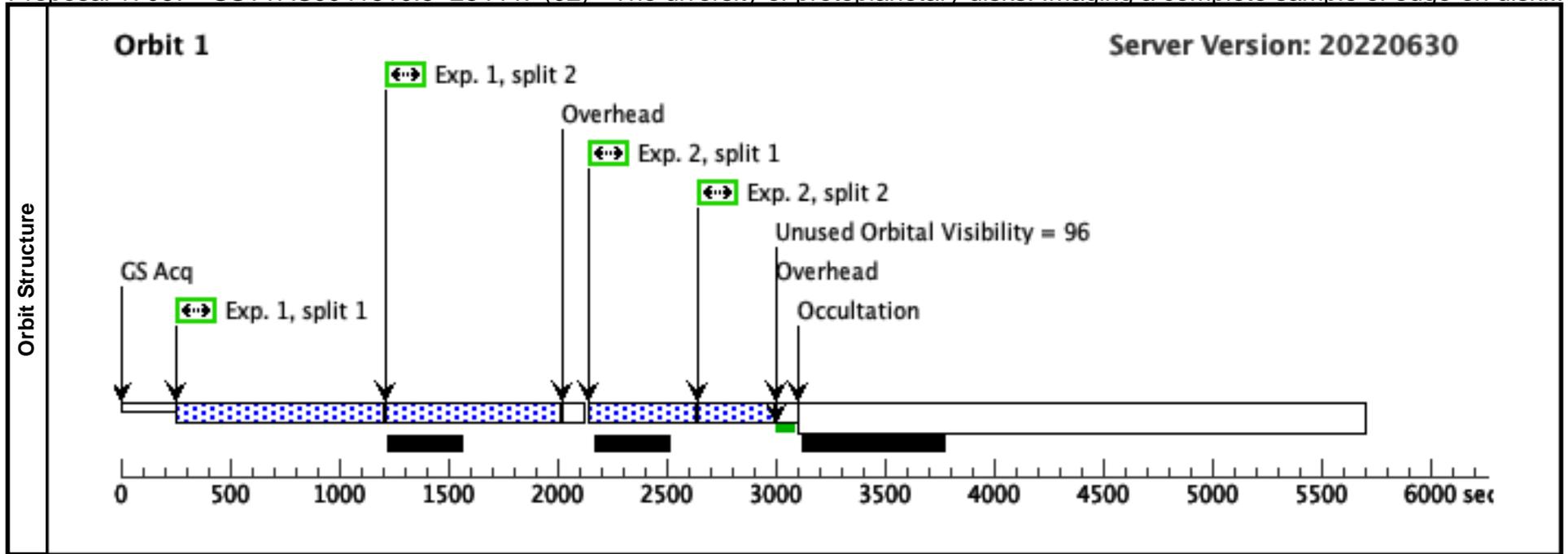
Visit	Proposal 17067, SSTTAUJ041535.6+284741 (01), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																			
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>SSTTAUJ041535.6+284741</td> <td>RA: 04 15 35.6000 (63.8983333d) Dec: +28 47 41.00 (28.79472d) Equinox: J2000</td> <td></td> <td>V=(?) R=19.6, I=15.8</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	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	<i>Comments:</i> Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]																						
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Proposal 17067 - SSTTAUJ041810.5+284447 (02) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

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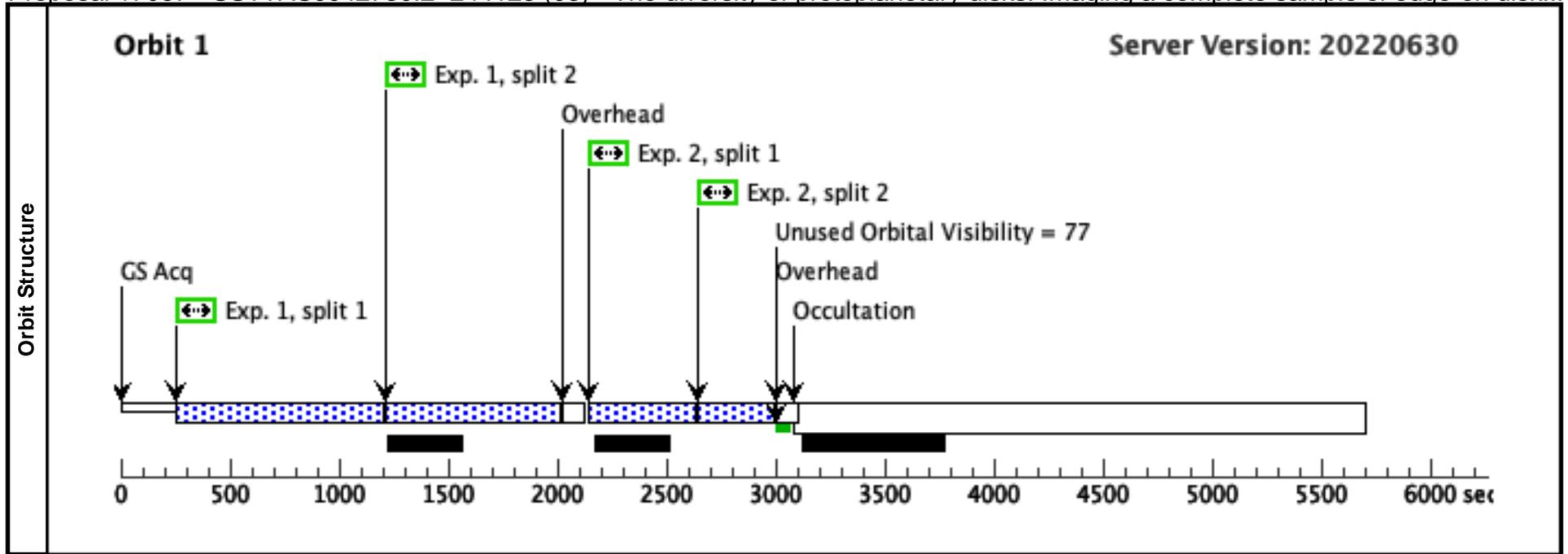
Visit	Proposal 17067, SSTTAUJ041810.5+284447 (02), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																			
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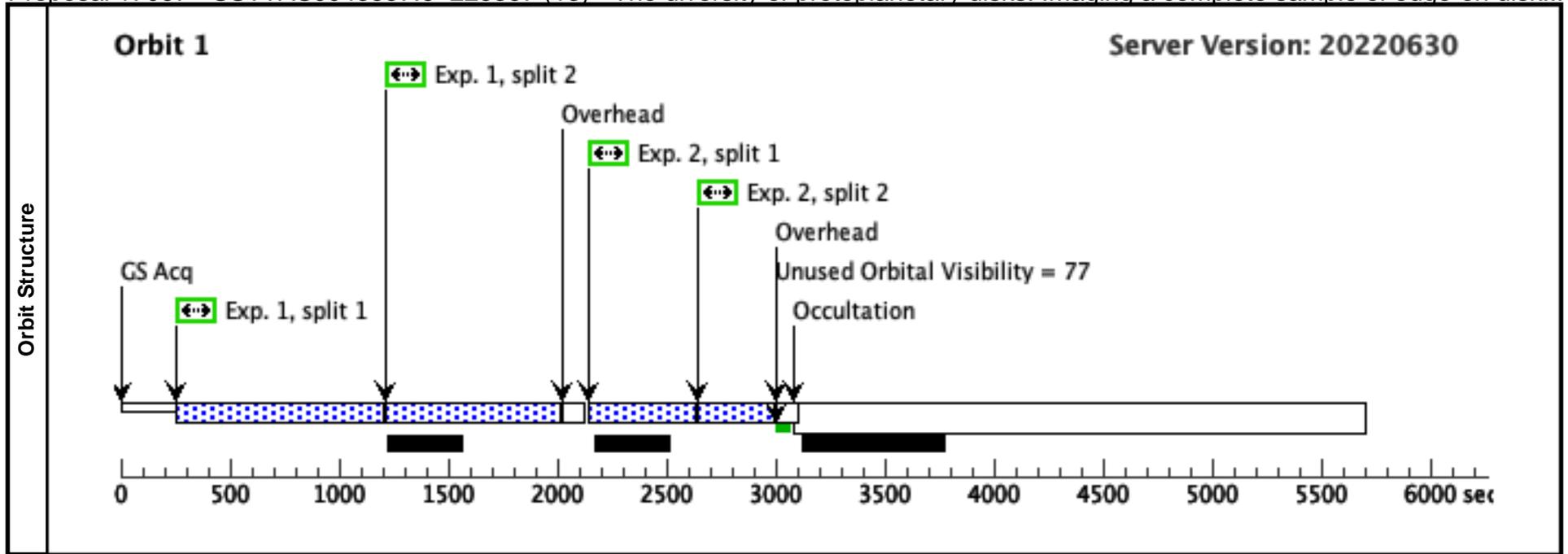
Visit	Proposal 17067, SSTTAUJ042730.2+244123 (03), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>									
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	(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				
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	1	F606W	(5) SSTTAUJ042730.2+244123	WFC3/UVIS, ACCUM, UVIS1	F606W	CR-SPLIT=2	GS ACQ SCENARI O SINGLE		1600 Secs (1600 Secs)	
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2	F814W	(5) SSTTAUJ042730.2+244123	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARI O SINGLE		700 Secs (700 Secs)		
								[==>(Split 1)]	[1]	
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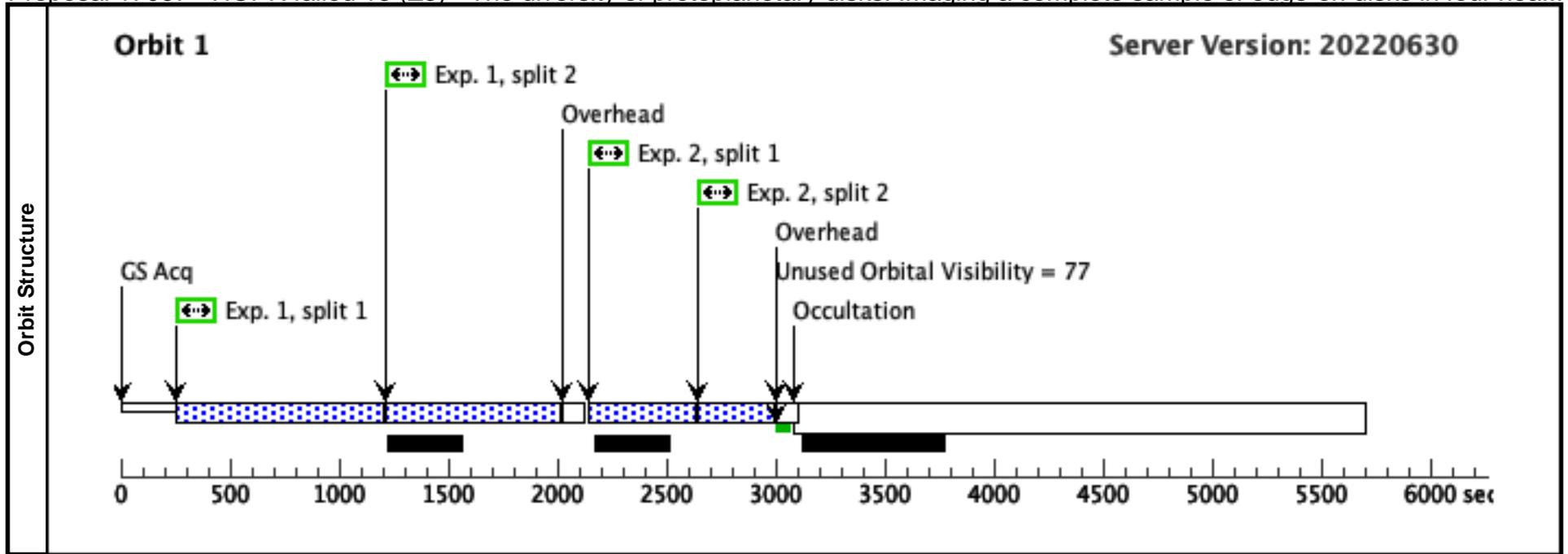
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Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F606W</td> <td>(43) SSTTAUJ043557.6+225357</td> <td>WFC3/UVIS, ACCUM, UVIS1</td> <td>F606W</td> <td>CR-SPLIT=2</td> <td>GS ACQ SCENARI O SINGLE</td> <td></td> <td>1600 Secs (1600 Secs) [=>(Split 1)] [=>(Split 2)]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>F814W</td> <td>(43) SSTTAUJ043557.6+225357</td> <td>WFC3/UVIS, ACCUM, UVIS1</td> <td>F814W</td> <td>CR-SPLIT=2</td> <td>GS ACQ SCENARI O SINGLE</td> <td></td> <td>700 Secs (700 Secs) [=>(Split 1)] [=>(Split 2)]</td> <td>[1]</td> </tr> </tbody> </table>	#	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 SCENARI O 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 SCENARI O SINGLE		700 Secs (700 Secs) [=>(Split 1)] [=>(Split 2)]	[1]					
	#	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 SCENARI O 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 SCENARI O SINGLE		700 Secs (700 Secs) [=>(Split 1)] [=>(Split 2)]	[1]																											



Proposal 17067 - HOPR failed 13 (Z3) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disks in four nea...

Mon May 08 16:00:34 GMT 2023

Visit	<p>Proposal 17067, HOPR failed 13 (Z3), scheduling</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% Comments: <i>This is a HOPR of failed visit 13.</i></p> <p><i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i></p>									
	<p>(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</p>									
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				
<p>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</p>										
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 SCENARI O SINGLE		1600 Secs (1600 Secs)	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
2	F814W	(43) SSTTAUJ043557.6+225357	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARI O SINGLE		700 Secs (700 Secs)		
								[==>(Split 1)]	[1]	
								[==>(Split 2)]		



Proposal 17067 - SSTTAUJ043642.0+265339 (14) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:34 GMT 2023

Visit	Proposal 17067, SSTTAUJ043642.0+265339 (14), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>																									
	Diagnosics (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	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>SSTTAUJ043642.0+265339</td> <td>RA: 04 36 42.0000 (69.1750000d) Dec: +26 53 39.00 (26.89417d) Equinox: J2000</td> <td></td> <td>V=(?) I=20.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>						#	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								
	#	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																					
<i>Comments:</i> Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]																										
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F814W</td> <td>(7) SSTTAUJ043642.0+265339</td> <td>WFC3/UVIS, ACCUM, UVIS1</td> <td>F814W</td> <td>CR-SPLIT=3</td> <td>GS ACQ SCENARI O SINGLE</td> <td></td> <td>2500 Secs (2500 Secs)</td> <td></td> </tr> </tbody> </table>						#	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 SCENARI O SINGLE		2500 Secs (2500 Secs)	
	#	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 SCENARI O SINGLE		2500 Secs (2500 Secs)																		
								[=>(Split 1)] [=>(Split 2)] [=>(Split 3)]	[1]																	
Orbit Structure	Orbit 1						Server Version: 20220630																			
	<p>The diagram illustrates the timing of observations for Orbit 1. The x-axis represents time in seconds from 0 to 6000. Key events are marked with arrows: GS Acq at approximately 100s, Exp. 1 split 1 at 300s, Exp. 1 split 2 at 1200s, Exp. 1 split 3 at 2200s, Occultation at 3000s, and Overhead at 3100s. A blue checkered bar indicates the observation period, which ends at approximately 3000s. A black bar indicates the occultation period from 3000s to 3500s. The text 'Unused Orbital Visibility = 45' is shown above the occultation period.</p>																									

Proposal 17067 - SSTC2DJ161027.4-390230 (15) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:34 GMT 2023

Visit	Proposal 17067, SSTC2DJ161027.4-390230 (15), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
Exposures	<i>Comments:</i> Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]									
	#	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 SCENARI O SINGLE		2550 Secs (2550 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630									
	<p>The diagram illustrates the timing of the observation sequence on a 6000-second scale. Key events include:</p> <ul style="list-style-type: none"> GS Acq: Guide star acquisition at approximately 200 seconds. Exp. 1, split 1: First exposure split starting at ~300s. Exp. 1, split 2: Second exposure split starting at ~1300s. Exp. 1, split 3: Third exposure split starting at ~2300s. Overhead: Periods of non-observation between splits. Occultation: A period where the target is obscured, starting at ~3100s. Unused Orbital Visibility = 40: A period of 40 seconds of visibility that was not used for observations. 									

Visit	Proposal 17067, SSTGBSJ110952.5-774035 (04), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>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.</i>																																			
	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	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(11)</td> <td>SSTGBSJ110952.5-774035</td> <td>RA: 11 09 52.5000 (167.4687500d) Dec: -77 40 35.00 (-77.67639d) Equinox: J2000</td> <td></td> <td>V=(?) R=19.5, I=18.2</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>						#	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																		
	#	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																															
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	#	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	<p>Orbit 1 Server Version: 20220630</p> <p>The diagram shows a horizontal timeline from 0 to 6000 seconds. Key events are marked with arrows and labels: 'GS Acq' at ~100s, 'Exp. 1, split 1' at ~300s, 'Exp. 1, split 2' at ~1300s, 'Overhead' at ~2200s, 'Exp. 2, split 1' at ~2400s, 'Exp. 2, split 2' at ~2900s, 'Occultation' at ~3300s, and another 'Overhead' at ~3400s. A blue checkered bar spans from approximately 300s to 3400s. A gap between 3400s and 3500s is labeled 'Unused Orbital Visibility = 59'. The x-axis is labeled '0', '500', '1000', '1500', '2000', '2500', '3000', '3500', '4000', '4500', '5000', '5500', '6000 sec'.</p>																																			

Proposal 17067 - SSTGBSJ111053.6-772500 (05) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:34 GMT 2023

Visit	Proposal 17067, SSTGBSJ111053.6-772500 (05), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>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.</i>																																			
	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	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>SSTGBSJ111053.6-772500</td> <td>RA: 11 10 53.6000 (167.7233333d) Dec: -77 25 0.00 (-77.41667d) Equinox: J2000</td> <td></td> <td>V=(?) R=20.0, I=17.5</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>						#	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																		
	#	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																															
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	#	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	<p>Orbit 1 Server Version: 20220630</p> <p>The diagram shows a horizontal timeline from 0 to 6000 seconds. Key events are marked with arrows and labels: 'GS Acq' at ~100s, 'Exp. 1, split 1' at ~300s, 'Exp. 1, split 2' at ~1300s, 'Overhead' at ~2200s, 'Exp. 2, split 1' at ~2400s, 'Exp. 2, split 2' at ~2900s, another 'Overhead' at ~3300s, 'Occultation' at ~3400s, and 'Unused Orbital Visibility = 59' at ~3500s. A blue checkered bar indicates the active observation period from approximately 300s to 3400s. Black bars below the timeline represent occultation periods.</p>																																			
	<p>Timeline labels: GS Acq, Exp. 1, split 1, Exp. 1, split 2, Overhead, Exp. 2, split 1, Exp. 2, split 2, Overhead, Occultation, Unused Orbital Visibility = 59.</p>																																			

Visit	Proposal 17067, SSTGBSJ130521.7-773809 (06), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>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.</i>																																			
	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																																			
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(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																															
<i>Comments:</i> Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]																																				
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F606W</td> <td>(14) SSTGBSJ130521.7-773809</td> <td>WFC3/UVIS, ACCUM, UVIS1</td> <td>F606W</td> <td>CR-SPLIT=2</td> <td>GS ACQ SCENARI O SINGLE</td> <td></td> <td>1800 Secs (1800 Secs) [=>(Split 1)] [=>(Split 2)]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>F814W</td> <td>(14) SSTGBSJ130521.7-773809</td> <td>WFC3/UVIS, ACCUM, UVIS1</td> <td>F814W</td> <td>CR-SPLIT=2</td> <td>GS ACQ SCENARI O SINGLE</td> <td></td> <td>800 Secs (800 Secs) [=>(Split 1)] [=>(Split 2)]</td> <td>[1]</td> </tr> </tbody> </table>						#	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 SCENARI O 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 SCENARI O SINGLE		800 Secs (800 Secs) [=>(Split 1)] [=>(Split 2)]	[1]
	#	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 SCENARI O 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 SCENARI O SINGLE		800 Secs (800 Secs) [=>(Split 1)] [=>(Split 2)]	[1]																											
Orbit Structure	<p>Orbit 1 Server Version: 20220630</p> <p>The diagram shows a horizontal timeline from 0 to 6000 seconds. Key events are marked with arrows and labels: GS Acq at ~100s, Exp. 1 split 1 at ~300s, Exp. 1 split 2 at ~1300s, Overhead at ~2200s, Exp. 2 split 1 at ~2400s, Exp. 2 split 2 at ~2900s, another Overhead at ~3300s, Occultation at ~3400s, and Unused Orbital Visibility = 59 from ~3400s to ~3900s. A blue checkered bar indicates the active observation period from approximately 300s to 3400s. Green double-headed arrows highlight the exposure times for each split.</p>																																			
	<p>Orbit Structure</p>																																			

Proposal 17067 - SSTGBSJ110721.4-772211 (16) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:34 GMT 2023

Visit	Proposal 17067, SSTGBSJ110721.4-772211 (16), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
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=SPAR S50		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	Server Version: 20220630									
	<p>The diagram illustrates the orbit structure over a 6000-second period. Key events include:</p> <ul style="list-style-type: none"> GS Acq: Guide star acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting approximately 100 seconds, occurring at roughly 400, 1100, 1800, and 2500 seconds. Pointing Maneuver: Three maneuver periods, each lasting approximately 100 seconds, occurring between the exposure periods. Reconfig: A reconfiguration period at approximately 3300 seconds. Occultation: An occultation period at approximately 3400 seconds. Unused Orbital Visibility = 142: A period of 142 seconds of unused orbital visibility following the occultation. 									

Visit	Proposal 17067, SSTGBSJ111003.4-763311 (17), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
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=SPAR S50		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	Server Version: 20220630									
	<p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~20s, Exp. 1 at ~40s, Pointing Maneuver at ~1000s, Exp. 1 at ~1100s, Pointing Maneuver at ~1700s, Exp. 1 at ~1800s, Pointing Maneuver at ~2400s, Exp. 1 at ~2500s, Reconfig at ~3200s, Occultation at ~3300s, and Unused Orbital Visibility = 142s from ~3300s to ~3442s. A blue hatched bar represents the total exposure period from ~40s to ~3200s.</p>									

Proposal 17067 - SSTC2DJ160115.5-415235 (18) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTC2DJ160115.5-415235 (18), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	SSTC2DJ16 0115.5-4152 35	(20) SSTC2DJ16011 5.5-415235	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S50		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	Server Version: 20220630									
	<p>The diagram illustrates the orbit structure over a 6000-second period. Key events include:</p> <ul style="list-style-type: none"> GS Acq: Guide star acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting about 100 seconds, occurring at approximately 400, 1000, 1600, and 2200 seconds. Pointing Maneuver: Three pointing maneuvers, each lasting about 100 seconds, occurring at approximately 1000, 1600, and 2200 seconds. Reconfig: A reconfiguration period lasting about 100 seconds, occurring at approximately 3000 seconds. Occultation: An occultation period lasting about 100 seconds, occurring at approximately 3000 seconds. Unused Orbital Visibility = 138: A period of 138 seconds of unused orbital visibility, occurring at approximately 3000 seconds. 									

Proposal 17067 - SSTC2DJ162648.5-242838 (22) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTC2DJ162648.5-242838 (22), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	SSTC2DJ16 2648.5-2428 38	(31) SSTC2DJ16264 8.5-242838	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 i n SSTC2DJ162648.5 -242838 (22) (1)	602.937703 Secs (2411.751 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
Orbit Structure	Server Version: 20220630									
	<p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~100s, Exp. 1 at ~400s, Pointing Maneuver at ~1000s, Exp. 1 at ~1600s, Pointing Maneuver at ~1700s, Exp. 1 at ~1800s, Pointing Maneuver at ~2300s, Exp. 1 at ~2400s, Pointing Maneuver at ~2900s, Reconfig at ~3000s, Occultation at ~3000s, and Unused Orbital Visibility = 60s from ~3000s to ~3060s. A blue checkered bar highlights the exposure periods, and black bars indicate pointing maneuvers and occultation.</p>									

Proposal 17067 - SSTC2DJ162703.6-242005 (23) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTC2DJ162703.6-242005 (23), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
<i>Comments:</i> 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=SPAR S50	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	Server Version: 20220630									
	<p>The diagram illustrates the timeline for Orbit 1, spanning from 0 to 6000 seconds. Key events include:</p> <ul style="list-style-type: none"> GS Acq: Guide star acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting about 100 seconds, occurring at approximately 300, 900, 1600, and 2300 seconds. Pointing Maneuver: Three maneuver periods, each lasting about 100 seconds, occurring at approximately 1000, 1700, and 2400 seconds. Reconfig: A reconfiguration period lasting about 100 seconds at approximately 2900 seconds. Occultation: An occultation period lasting about 100 seconds at approximately 3000 seconds. Unused Orbital Visibility = 152: A period of 152 seconds of unused visibility starting at approximately 3100 seconds. 									

Proposal 17067 - SSTC2DJ162738.9-244020 (24) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTC2DJ162738.9-244020 (24), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	SSTC2DJ16 2738.9-2440 20	(33) SSTC2DJ16273 8.9-244020	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in SSTC2DJ162738.9-244020 (24) (1)	602.937703 Secs (2411.751 Secs)	[1]
Orbit Structure	Server Version: 20220630									

Proposal 17067 - SSTC2DJ163952.9-241931 (25) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTC2DJ163952.9-241931 (25), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	Patterns	#	Primary Pattern				Secondary Pattern			
(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	
<i>Comments:</i> 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=SPAR S50	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	Server Version: 20220630									
	<p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~100s, four exposures (Exp. 1) at ~300s, ~1000s, ~1600s, and ~2300s, each preceded by a Pointing Maneuver. A Reconfig event occurs at ~3000s, followed by an Occultation period from ~3000s to ~3500s. A bar at the bottom indicates 'Unused Orbital Visibility = 152' seconds.</p>									

Proposal 17067 - SSTC2D162546.6-242336 (26) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disks ...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTC2D162546.6-242336 (26), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
	<i>Comments:</i> 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=SPAR550	GS ACQ SCENARI O 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	<div style="text-align: right;">Server Version: 20220630</div> <p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~100s, four exposures (Exp. 1) at ~300s, ~1000s, ~1600s, and ~2300s, each preceded by a Pointing Maneuver. A Reconfig event occurs at ~3000s, followed by an Occultation period from ~3000s to ~3500s. A bar at the bottom indicates 'Unused Orbital Visibility = 152' seconds.</p>									

Proposal 17067 - SSTTAUJ041841.3+282725 (27) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTTAUJ041841.3+282725 (27), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
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=SPAR S50	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	Server Version: 20220630									
	<p>The diagram illustrates the orbit structure over a 6000-second period. Key events include:</p> <ul style="list-style-type: none"> GS Acq: Guide star acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting about 100 seconds, occurring at approximately 300, 900, 1600, and 2300 seconds. Pointing Maneuver: Three maneuver periods, each lasting about 100 seconds, occurring at approximately 1000, 1700, and 2400 seconds. Reconfig: A reconfiguration period lasting about 100 seconds at approximately 3000 seconds. Occultation: An occultation period lasting about 100 seconds at approximately 3100 seconds. Unused Orbital Visibility = 171: A period of 171 seconds of unused orbital visibility following the occultation. 									

Proposal 17067 - SSTTAUJ041845.0+282052 (28) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTTAUJ041845.0+282052 (28), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
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=SPAR S50		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	Server Version: 20220630									
	<p>The diagram shows the sequence of events for Orbit 1 over a 6000-second period. It includes Guide Star Acquisition (GS Acq), four exposures (Exp. 1), three pointing maneuvers, a reconfiguration (Reconfig), an occultation, and a period of unused orbital visibility.</p>									

Proposal 17067 - SSTC2DJ160754.7-391544 (29) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

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% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	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				
<i>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</i>										
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=SPAR S50		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	Server Version: 20220630									
	<p>The diagram shows a timeline from 0 to 6000 seconds. Key events include:</p> <ul style="list-style-type: none"> GS Acq: Guide Star Acquisition at approximately 100s. Exp. 1: Four exposures of 122s each, occurring at approximately 400s, 1000s, 1600s, and 2200s. Each exposure is preceded by a Pointing Maneuver. Occultation: A period of unusable visibility from approximately 3000s to 3500s. Unused Orbital Visibility = 122: A period of 122 seconds of visibility that is not used for exposures. Reconfig: A reconfiguration period following the occultation. 									

Proposal 17067 - SSTD2DJ162704.5-242715 (31) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

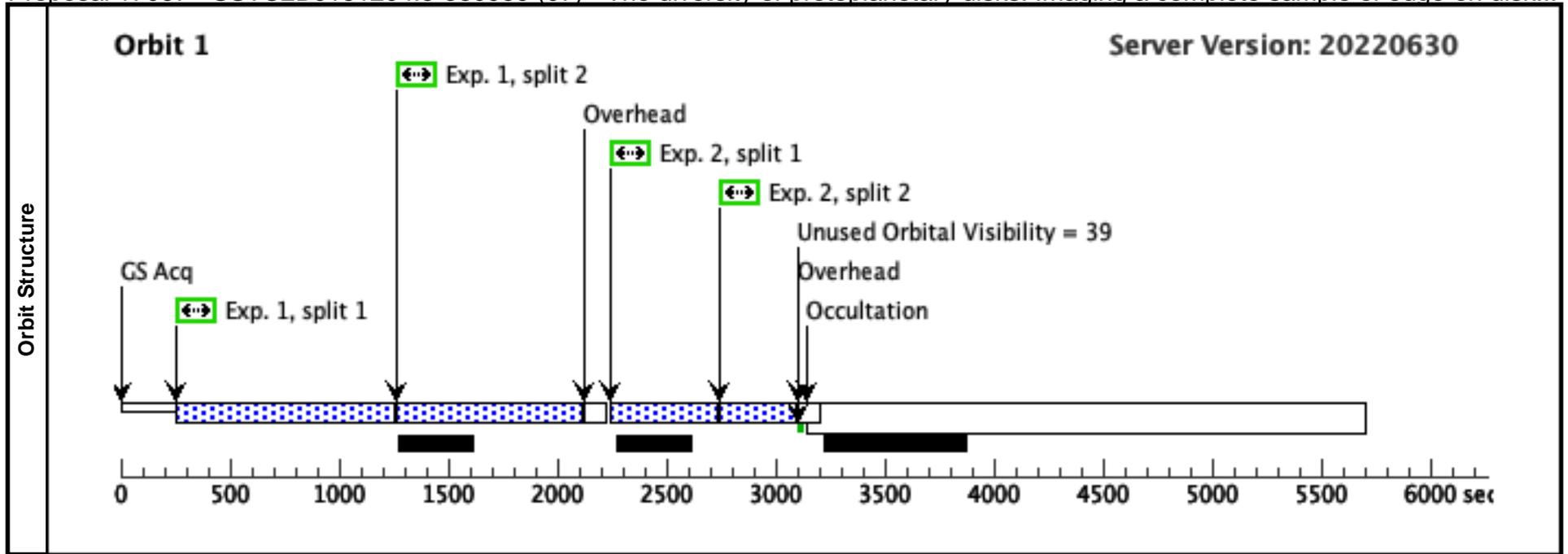
Mon May 08 16:00:35 GMT 2023

Visit	Proposal 17067, SSTD2DJ162704.5-242715 (31), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 50% <i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i>									
	Patterns	#	Primary Pattern				Secondary Pattern			
(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	
<i>Comments:</i> 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	SSTD2DJ16 (46) SSTD2DJ162704.5-242715 15	SSTD2DJ16270 4.5-242715	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S50	GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-1 i n SSTD2DJ162704.5 -242715 (31) (1)	602.937703 Secs (2411.751 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
Orbit Structure	Server Version: 20220630									
	<p>The diagram illustrates the timing of the observation sequence over a 6000-second period. Key events include:</p> <ul style="list-style-type: none"> GS Acq: Guide star acquisition at approximately 100 seconds. Exp. 1: Four exposure blocks, each approximately 100 seconds long, occurring at roughly 300, 900, 1600, and 2300 seconds. Pointing Maneuver: Three maneuver periods, each approximately 100 seconds long, occurring between the exposure blocks. Reconfig: A reconfiguration period of approximately 100 seconds at 3000 seconds. Occultation: An occultation period of approximately 100 seconds at 3000 seconds. Unused Orbital Visibility = 152: A period of 152 seconds of unused visibility starting at 3000 seconds. 									

Proposal 17067 - SSTC2DJ161204.5-380959 (07) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

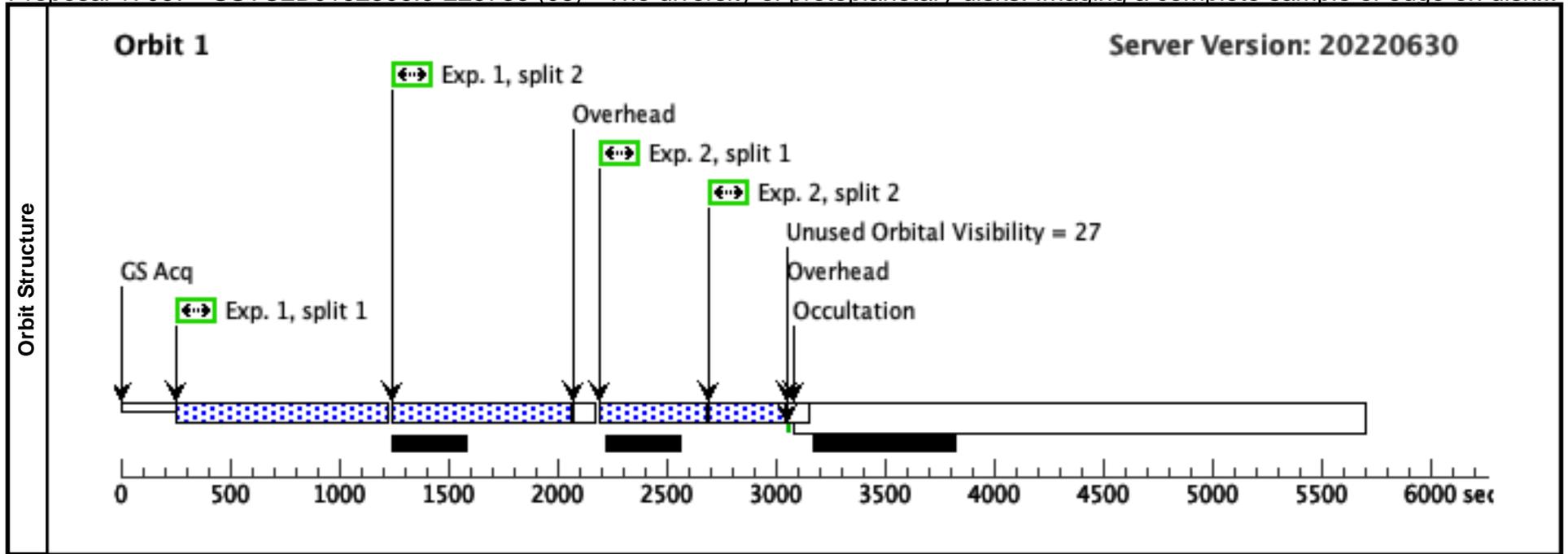
Visit	Proposal 17067, SSTC2DJ161204.5-380959 (07), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																			
	(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																																			
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(19)</td> <td>SSTC2DJ161204.5-380959</td> <td>RA: 16 12 4.5000 (243.0187500d) Dec: -38 09 59.00 (-38.16639d) Equinox: J2000</td> <td></td> <td>V=(?) R=19.0, I=18.4</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	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	<i>Comments:</i> Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]																						
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	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																										
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Proposal 17067 - SSTC2DJ162306.9-225736 (08) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

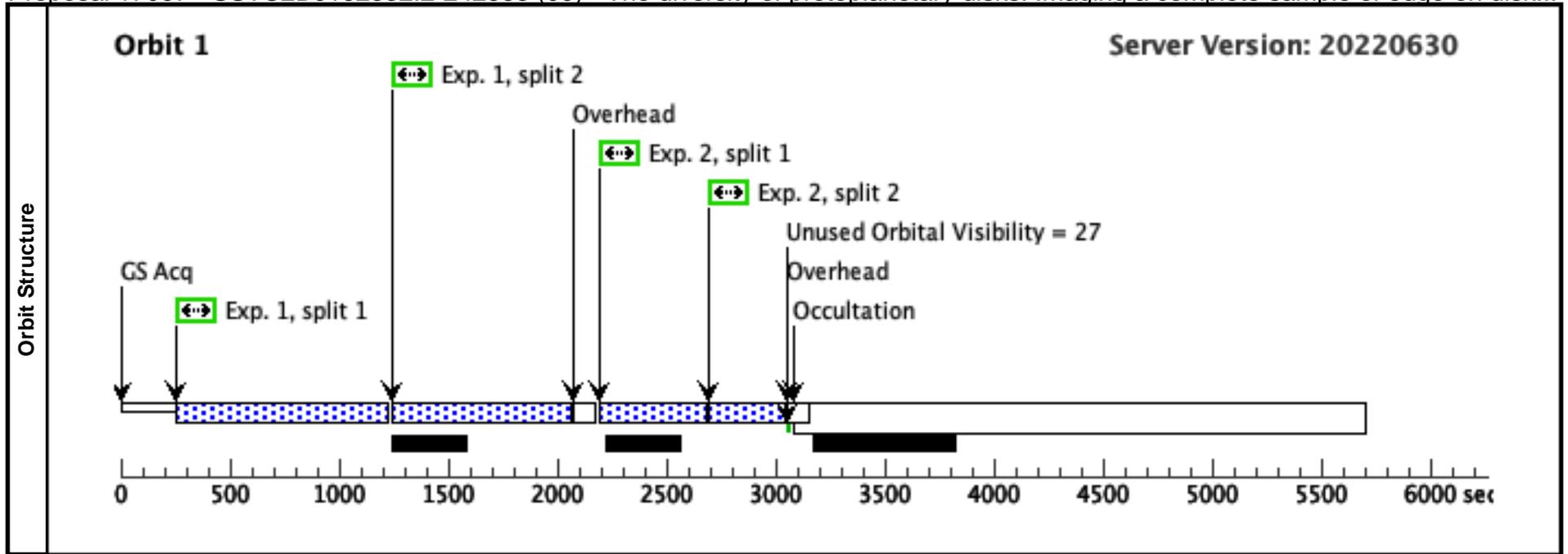
Visit	Proposal 17067, SSTC2DJ162306.9-225736 (08), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																																																											
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Proposal 17067 - SSTC2DJ162332.2-242553 (09) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

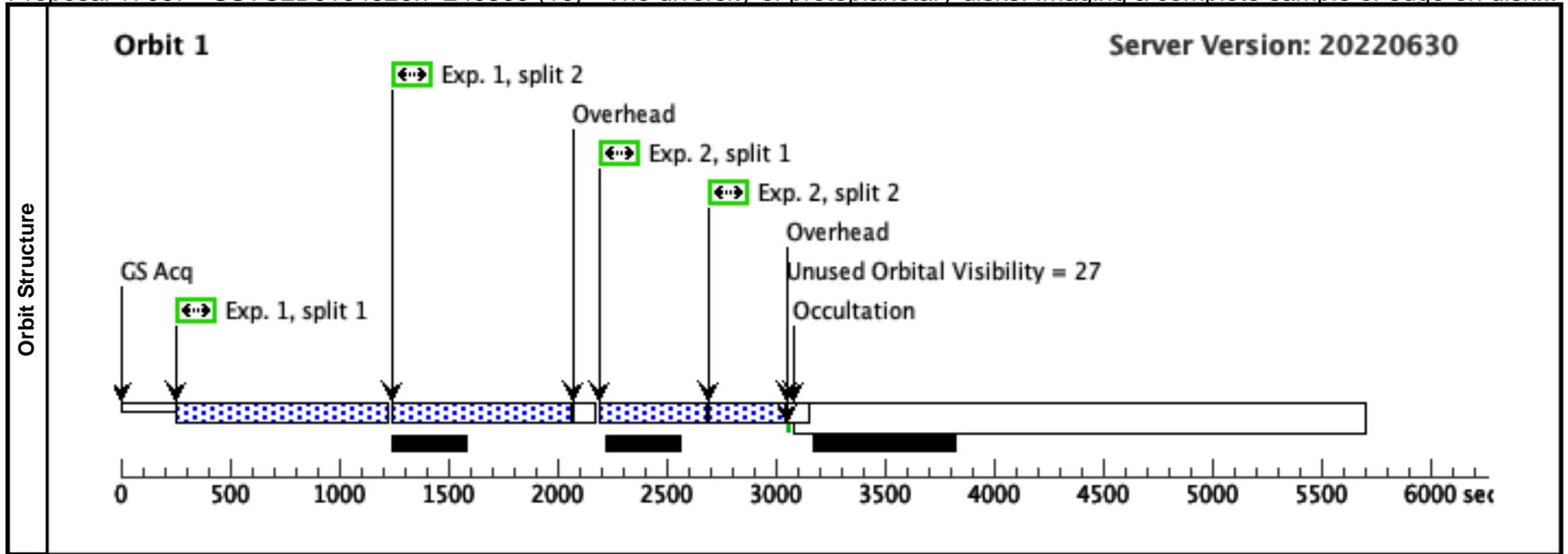
Visit	Proposal 17067, SSTC2DJ162332.2-242553 (09), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																			
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Proposal 17067 - SSTC2DJ164526.7-240305 (10) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

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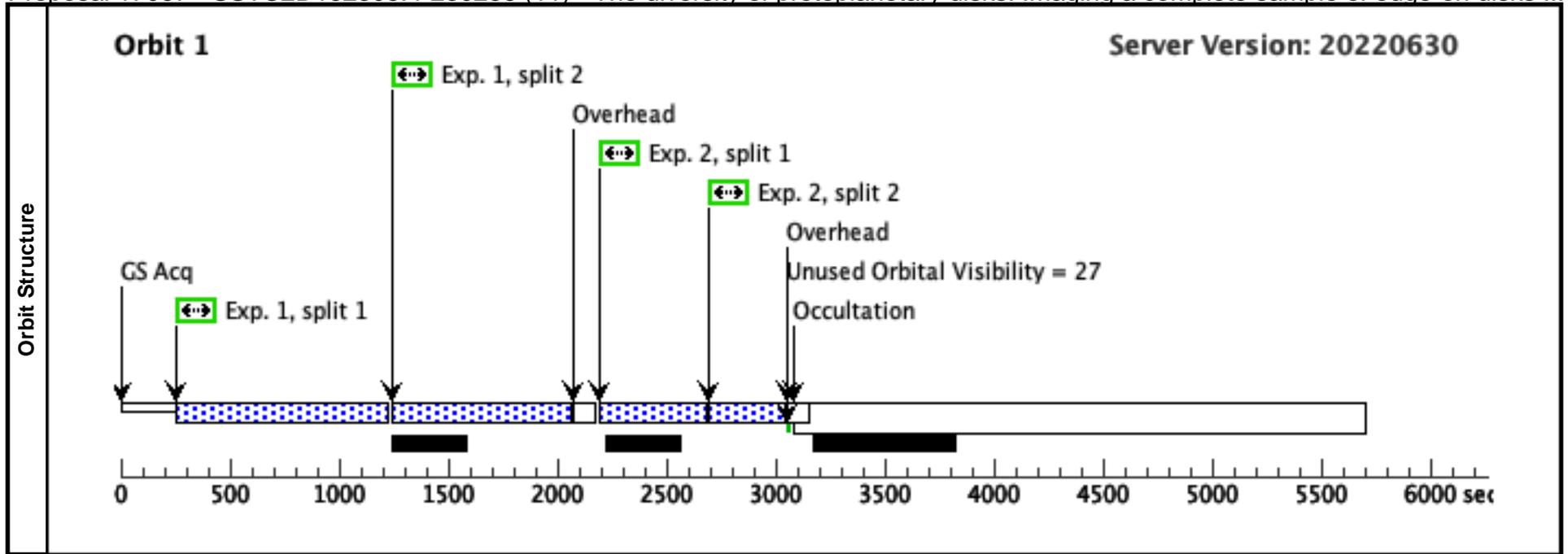
Visit	Proposal 17067, SSTC2DJ164526.7-240305 (10), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																			
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Proposal 17067 - SSTC2D162305.4-230256 (11) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disks ...

Mon May 08 16:00:35 GMT 2023

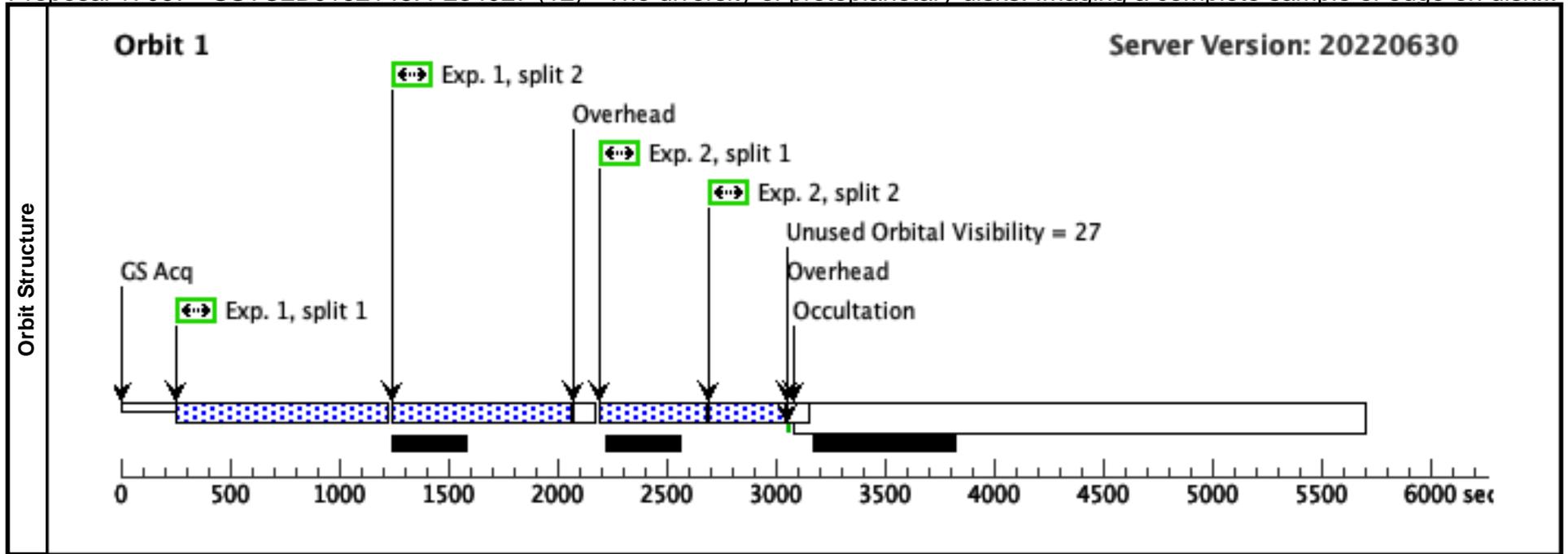
Visit	Proposal 17067, SSTC2D162305.4-230256 (11), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																			
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Proposal 17067 - SSTC2DJ162148.4-234027 (12) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

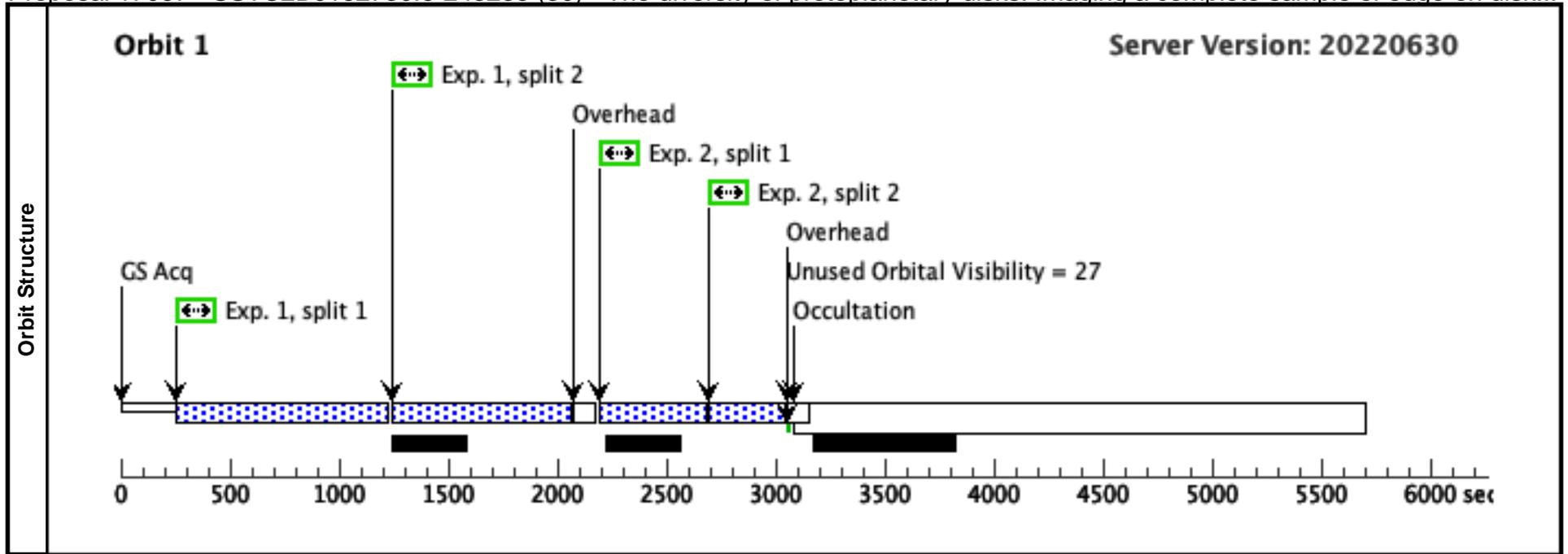
Visit	Proposal 17067, SSTC2DJ162148.4-234027 (12), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are 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.</i>																																			
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Proposal 17067 - SSTC2DJ162730.6-243235 (30) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disk...

Mon May 08 16:00:35 GMT 2023

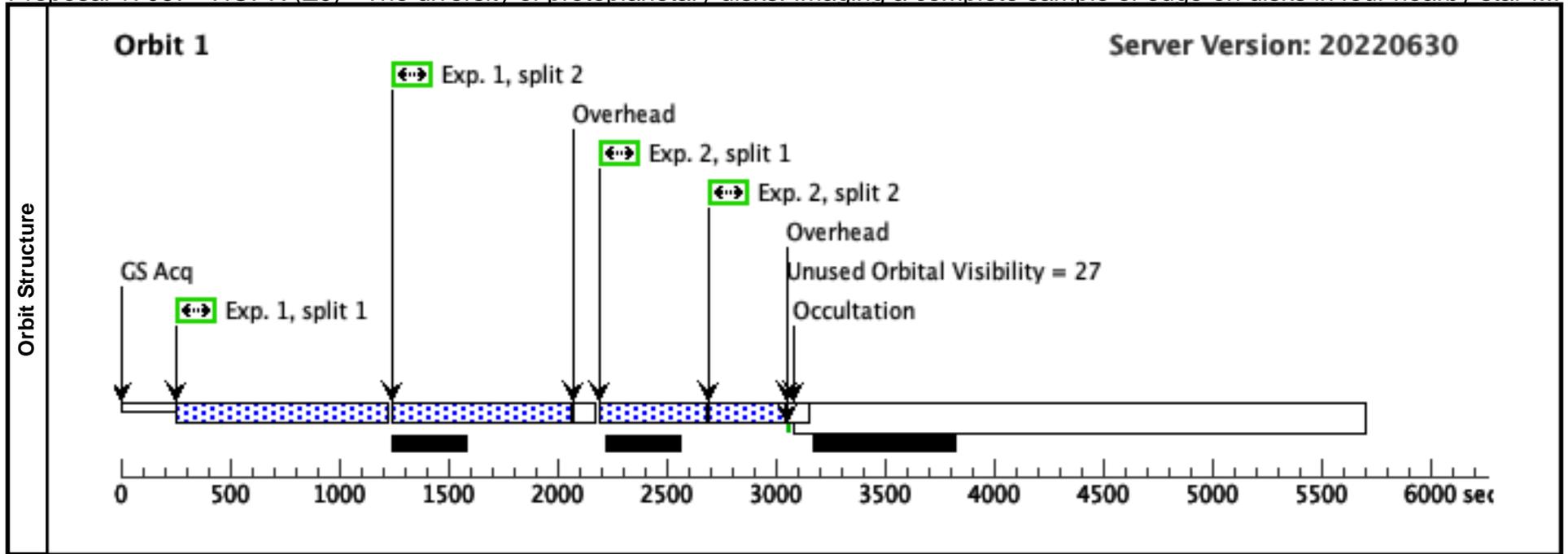
Visit	Proposal 17067, SSTC2DJ162730.6-243235 (30), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% <i>Comments: Single guide star acquisition is acceptable/necessary for this program. In most cases, there are few possible guide stars (targets are located 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.</i>																																																																											
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Proposal 17067 - HOPR (Z0) - The diversity of protoplanetary disks: Imaging a complete sample of edge-on disks in four nearby star-f...

Mon May 08 16:00:35 GMT 2023

Visit	<p>Proposal 17067, HOPR (Z0)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50% Comments: Repeat of failed visit 30</p> <p><i>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 schedulability at a small cost in terms of image quality given that WFC3 is on-axis.</i></p>									
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	(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				
<p>Comments: Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]</p>										
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 SCENARI O SINGLE		1650 Secs (1650 Secs)	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
2	F814W	(45) SSTC2DJ162730.6-243235	WFC3/UVIS, ACCUM, UVIS1	F814W	CR-SPLIT=2	GS ACQ SCENARI O SINGLE		700 Secs (700 Secs)		
								[==>(Split 1)]	[1]	
								[==>(Split 2)]		



Visit	Proposal 17067, 2M1155-79B (Z4), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: Replacement visit after dropping visit 32 for lack of appropriate guide star (PC note) This is not a HOPR</i>																									
	Diagnosics (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																									
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(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																					
<i>Comments:</i> Category=STAR Description=[PRE-MAIN SEQUENCE STAR, PROTOPLANETARY DISK, T TAURI STAR]																										
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F814W</td> <td>(48) 2MASSJ1155-7919B</td> <td>WFC3/UVIS, ACCUM, UVIS1</td> <td>F814W</td> <td>CR-SPLIT=3</td> <td>GS ACQ SCENARI O SINGLE</td> <td></td> <td>2900 Secs (2900 Secs)</td> <td></td> </tr> </tbody> </table>						#	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 SCENARI O SINGLE		2900 Secs (2900 Secs)	
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Orbit Structure	<p>Orbit 1</p>						<p>Server Version: 20220630</p>																			
	<p>Timeline labels: GS Acq, Exp. 1, split 1, Exp. 1, split 2, Exp. 1, split 3, Overhead, Unused Orbital Visibility = 63, Occultation.</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 sec</p>																									