



17165 - Accurate Distances to Canonical Seyferts

Cycle: 30, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Dr. Christopher A. Onken (CoI)	Australian National University
Dr. Eugene Vasiliev (CoI) (ESA Member)	University of Cambridge

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	(1) NGC-1068	WFC3/UVIS	2	29-Jan-2024 15:00:37.0	yes
02	(1) NGC-1068	WFC3/UVIS	1	29-Jan-2024 15:00:38.0	yes
03	(1) NGC-1068	WFC3/UVIS	2	29-Jan-2024 15:00:39.0	yes
04	(1) NGC-1068	WFC3/UVIS	1	29-Jan-2024 15:00:39.0	yes
05	(1) NGC-1068	WFC3/UVIS	1	29-Jan-2024 15:00:40.0	yes
06	(1) NGC-1068	WFC3/UVIS	1	29-Jan-2024 15:00:40.0	yes
07	(1) NGC-1068	WFC3/UVIS	2	29-Jan-2024 15:00:41.0	yes
08	(1) NGC-1068	WFC3/UVIS	1	29-Jan-2024 15:00:41.0	yes
09	(1) NGC-1068	WFC3/UVIS	1	29-Jan-2024 15:00:42.0	yes

Proposal 17165 (STScI Edit Number: 17, Created: Monday, January 29, 2024 at 3:01:06 PM 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>
10	(1) NGC-1068	WFC3/UVIS	2	29-Jan-2024 15:00:43.0	yes
11	(1) NGC-1068	WFC3/UVIS	1	29-Jan-2024 15:00:43.0	yes
12	(1) NGC-1068	WFC3/UVIS	2	29-Jan-2024 15:00:44.0	yes
13	(3) NGC-3783	WFC3/UVIS	3	29-Jan-2024 15:00:45.0	yes
14	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:46.0	yes
15	(3) NGC-3783	WFC3/UVIS	3	29-Jan-2024 15:00:48.0	yes
16	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:48.0	yes
17	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:49.0	yes
18	(3) NGC-3783	WFC3/UVIS	3	29-Jan-2024 15:00:50.0	yes
19	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:51.0	yes
20	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:52.0	yes
21	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:53.0	yes
22	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:54.0	yes
23	(3) NGC-3783	WFC3/UVIS	2	29-Jan-2024 15:00:54.0	yes
24	(3) NGC-3783	WFC3/UVIS	3	29-Jan-2024 15:00:56.0	yes
2X	(3) NGC-3783	WFC3/UVIS	1	29-Jan-2024 15:00:56.0	yes
2Y	(3) NGC-3783	WFC3/UVIS	1	29-Jan-2024 15:00:57.0	yes
2Z	(3) NGC-3783	WFC3/UVIS	1	29-Jan-2024 15:00:57.0	yes
25	(4) NGC-4303	WFC3/UVIS	2	29-Jan-2024 15:00:58.0	yes
26	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:00:59.0	yes
27	(4) NGC-4303	WFC3/UVIS	2	29-Jan-2024 15:00:59.0	yes
28	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:01:00.0	yes
29	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:01:00.0	yes
30	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:01:01.0	yes
31	(4) NGC-4303	WFC3/UVIS	2	29-Jan-2024 15:01:01.0	yes

<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>
32	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:01:02.0	yes
33	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:01:02.0	yes
34	(4) NGC-4303	WFC3/UVIS	2	29-Jan-2024 15:01:03.0	yes
35	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:01:04.0	yes
36	(4) NGC-4303	WFC3/UVIS	2	29-Jan-2024 15:01:04.0	yes
37	(4) NGC-4303	WFC3/UVIS	1	29-Jan-2024 15:01:05.0	yes

66 Total Orbits Used

ABSTRACT

We propose to measure the first accurate distances to three canonical Seyfert galaxies using Cepheid variable stars and the Leavitt Law. The three targets -- NGC 1068, NGC 3783, and NGC 4303 -- are a mix of nearby Seyfert 1s and 2s, and each has been heavily studied to understand AGN physics and black hole feeding and feedback. Unfortunately, none of these galaxies has a distance that is currently known to better than a factor of a few, and they are near enough that they cannot be assumed to be securely in the Hubble Flow. All three targets have direct black hole mass measurements that require accurate distances. Accurate distances are also a critical piece of information for thousands of other published studies that span the electromagnetic spectrum and focus on these galaxies. Only Cepheids are capable of determining distances accurate to 2-3% for late-type active galaxies at $D = 15\text{-}40$ Mpc such as these, including galaxies that are viewed face on (NGC3783) or that may be associated with large groups or clusters (NGC4303) and for which other methods are inaccurate. Only during the remaining limited lifetime of HST will we be able to detect and characterize Cepheids in these canonical Seyferts, providing the first accurate distance to each one and removing a critical and often overlooked source of uncertainty.

OBSERVING DESCRIPTION

We will obtain multi-epoch observations of three canonical Seyfert galaxies in two optical bandpasses with the UVIS channel of WFC3 to discover Cepheid variable stars and measure their pulsation periods (at blue wavelengths) and mean apparent magnitudes (at red wavelengths). Using existing calibrated period-luminosity relationships for Cepheids, we will thus be able to determine their distance moduli and constrain the first accurate distances to these heavily studied galaxies.

Proposal 17165 (STScI Edit Number: 17, Created: Monday, January 29, 2024 at 3:01:06 PM Eastern Standard Time) - Overview

For NGC 1068 and NGC 4303, we will execute 12 visits to image them with WFC3/UVIS through the F555W filter. During 5 of the 12 visits for each of these targets, a second orbit will be dedicated to imaging through the F814W filter at the same position and ORIENT. The large angular extents of the galaxies ensure that we will have sufficient background levels in all images to mitigate charge transfer losses.

For NGC 3783, we have slightly adjusted our strategy to compensate for the larger expected distance to the galaxy. We will use the F350LP filter as the main filter for detecting the Cepheid candidates and measuring their periods over 13 visits that span 120 days. This long monitoring period necessitates the use of a few different ORIENT values, but the smaller angular extent of the galaxy should help to accommodate this change. To determine the absolute magnitudes and colors of the Cepheid candidates, we will collect 8x F555W and F814W images using a single orbit for each filter across the course of the first 12 visits. Finally, we have adopted a minimal FLASH level for the F555W and F814W images of NGC 3783, to ensure that the outermost regions of this more distant galaxy have sufficient background levels.

The visits for each galaxy require nonredundant time spacing to identify Cepheid variables with unknown periods while minimizing aliasing. To aid with scheduling, we have adopted a window of +/- 1 day for each visit. For NGC 1068 and NGC 4303, the visits will be scheduled to cover a period of ~60 days and with SAME ORIENT for all visits to ensure the same regions of the galaxy are visible in all images, thus maximizing the number of Cepheids we will be able to detect and characterize. For NGC 3783, the visits will be scheduled to cover a period of ~120 days with the first 6 visits adopting SAME ORIENT and the next six visits adopting a different value of SAME ORIENT, and the last visit allowed to have any ORIENT that is schedulable. The larger expected distance of NGC3783 requires a longer monitoring baseline (so that sufficiently long-period Cepheids may be identified) and cannot be carried out at a single value of ORIENT. By adopting only three separate ORIENT values, we will minimize the angular area on the detector that is lost by changing the roll angle, and the slightly smaller angular extent of NGC3783 will also help with this consideration. The specific value of ORIENT is not important for our science, only that it remains the same within these boundaries.

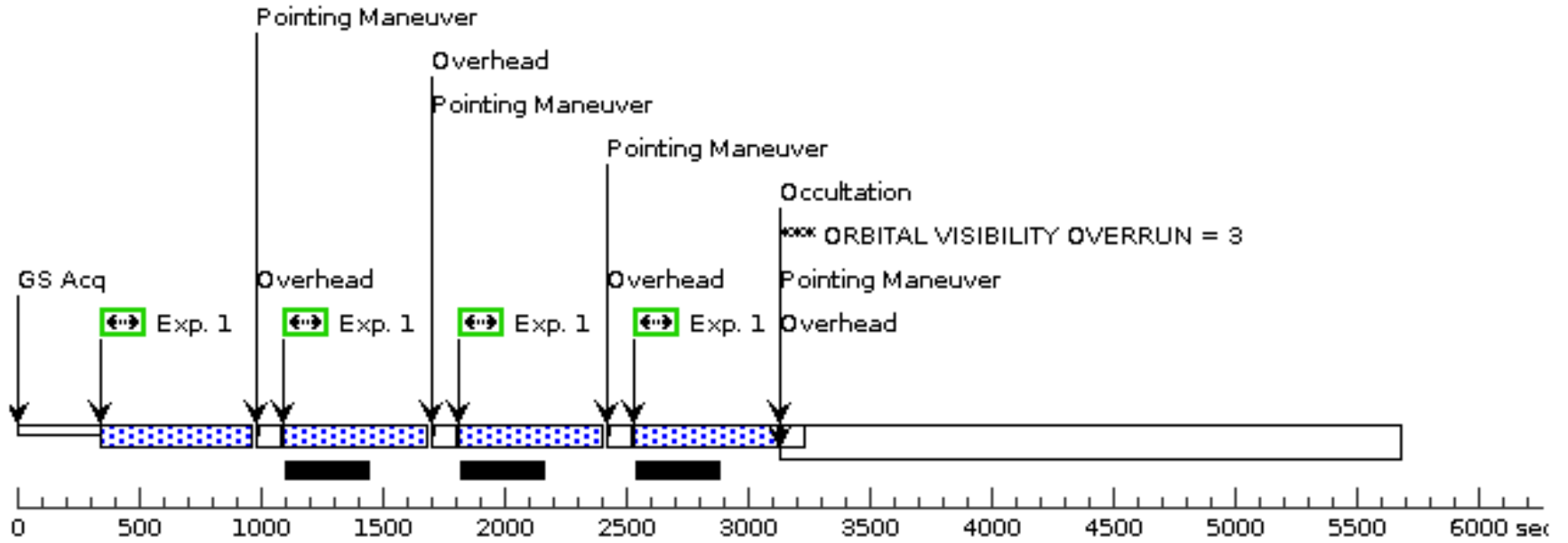
For all visits, there will be 4 exposures per filter that will be separated by a four-point dither with small maneuvers to increase the PSF sampling and a larger maneuver to bridge the detector gap. We have selected the UVIS-FIX aperture to ensure consistent pointing throughout the program and to aid in the data analysis.

Proposal 17165 - Visit 01 - Accurate Distances to Canonical Seyferts

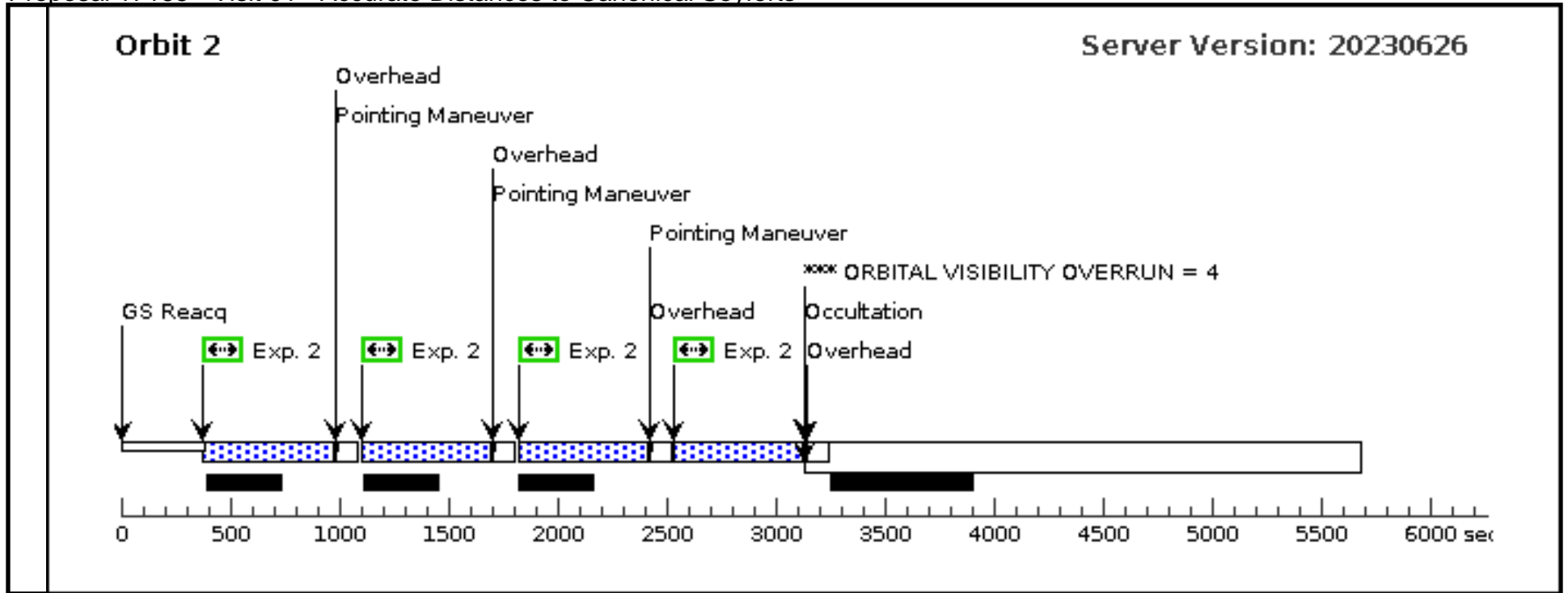
Mon Jan 29 20:01:06 GMT 2024

Visit	Proposal 17165, Visit 01, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Point Spacing=0.145 Center Pattern=false Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W				Pattern 1, Exps 1-1 in Visit 01 (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]
2	(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F814W					Pattern 1, Exps 2-2 in Visit 01 (1)	550 Secs (2356 Secs) [==>589.0 Secs (Pattern 1,1)] [==>589.0 Secs (Pattern 1,2)] [==>589.0 Secs (Pattern 2,1)] [==>589.0 Secs (Pattern 2,2)]	[2]

Orbit 1



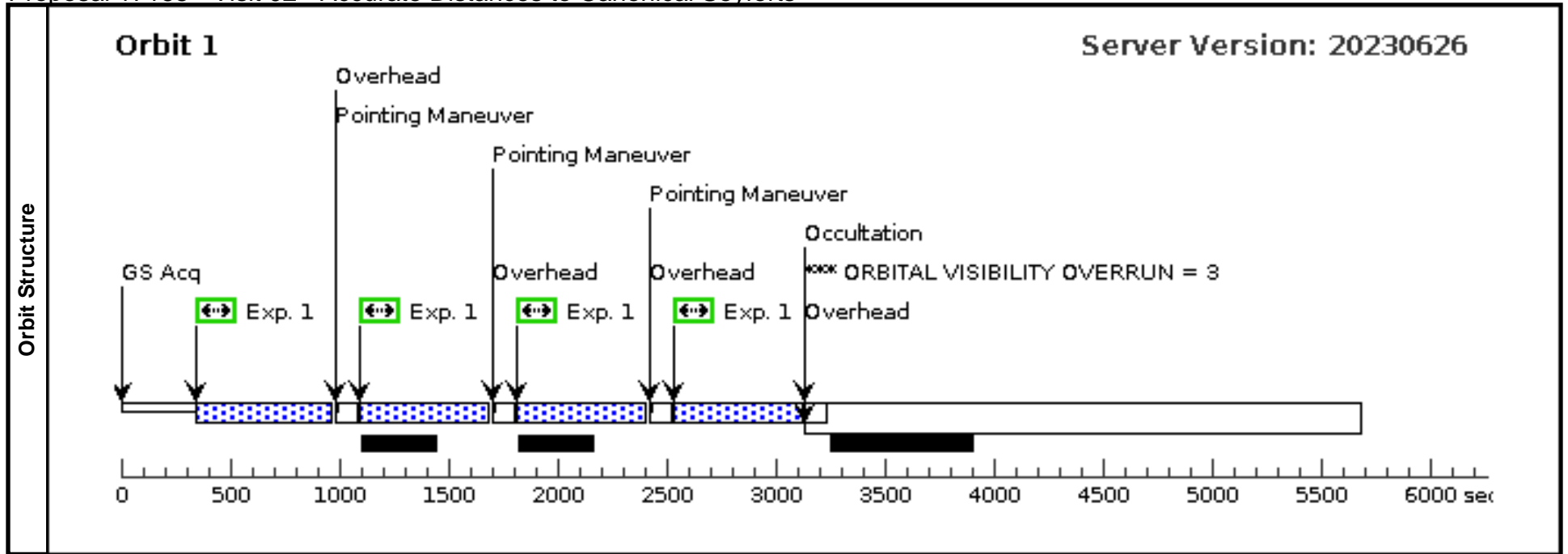
Orbit Structure



Proposal 17165 - Visit 02 - Accurate Distances to Canonical Seyferts

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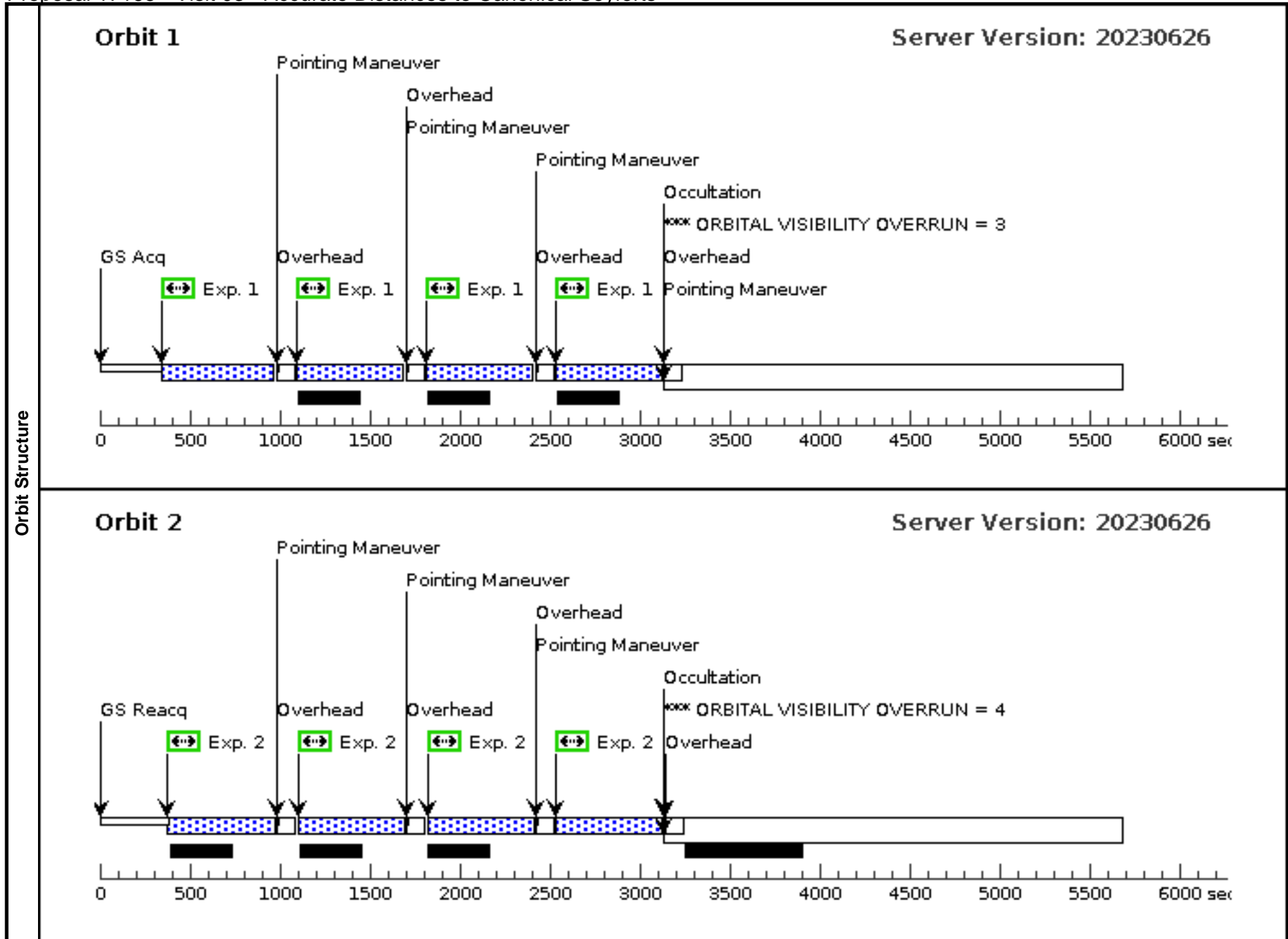
Visit	Proposal 17165, Visit 02, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 76.8D TO 76.8 D; BETWEEN 2024.053:04 AND 2024.055:04									
	(Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=			(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 02 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 03 - Accurate Distances to Canonical Seyferts

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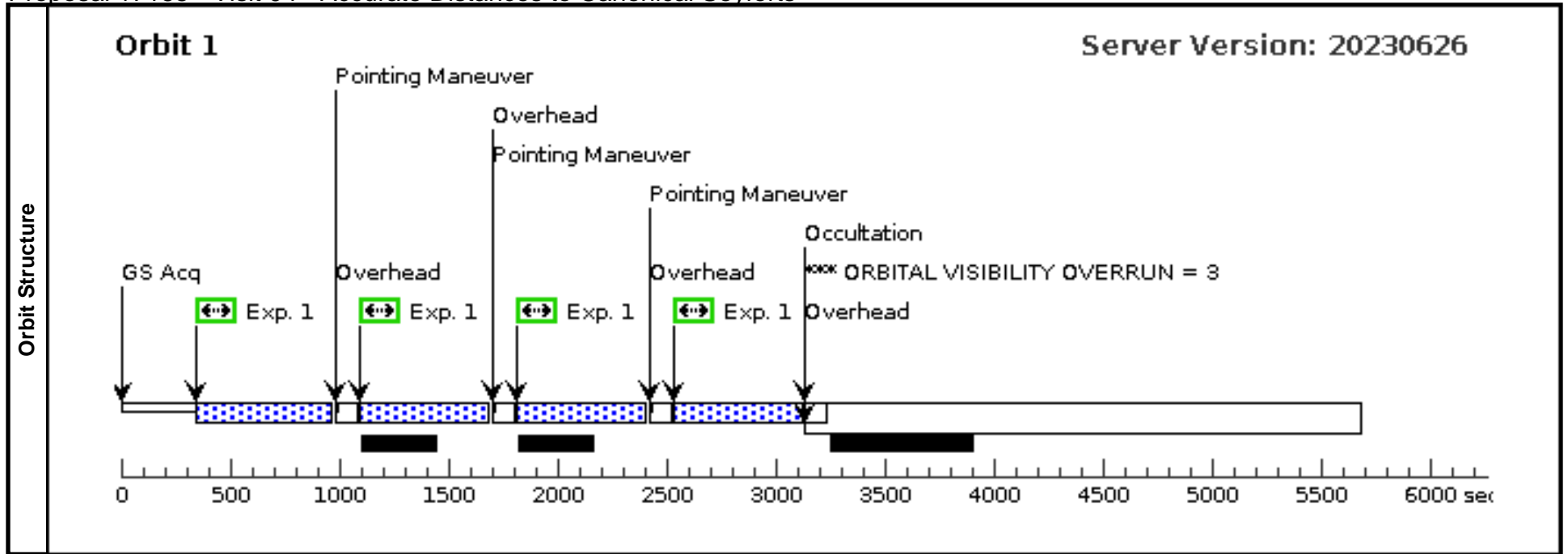
Visit	Proposal 17165, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 16.6 D TO 18.6 D									
	(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 03) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Point Spacing=0.145 Center Pattern=false Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 03 (1)	550 Secs (2364 Secs)	
									[=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]
	2		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Pattern 1, Exps 2-2 i n Visit 03 (1)	550 Secs (2356 Secs)	
								[=>589.0 Secs (Pattern 1,1)] [=>589.0 Secs (Pattern 1,2)] [=>589.0 Secs (Pattern 2,1)] [=>589.0 Secs (Pattern 2,2)]	[2]	



Proposal 17165 - Visit 04 - Accurate Distances to Canonical Seyferts

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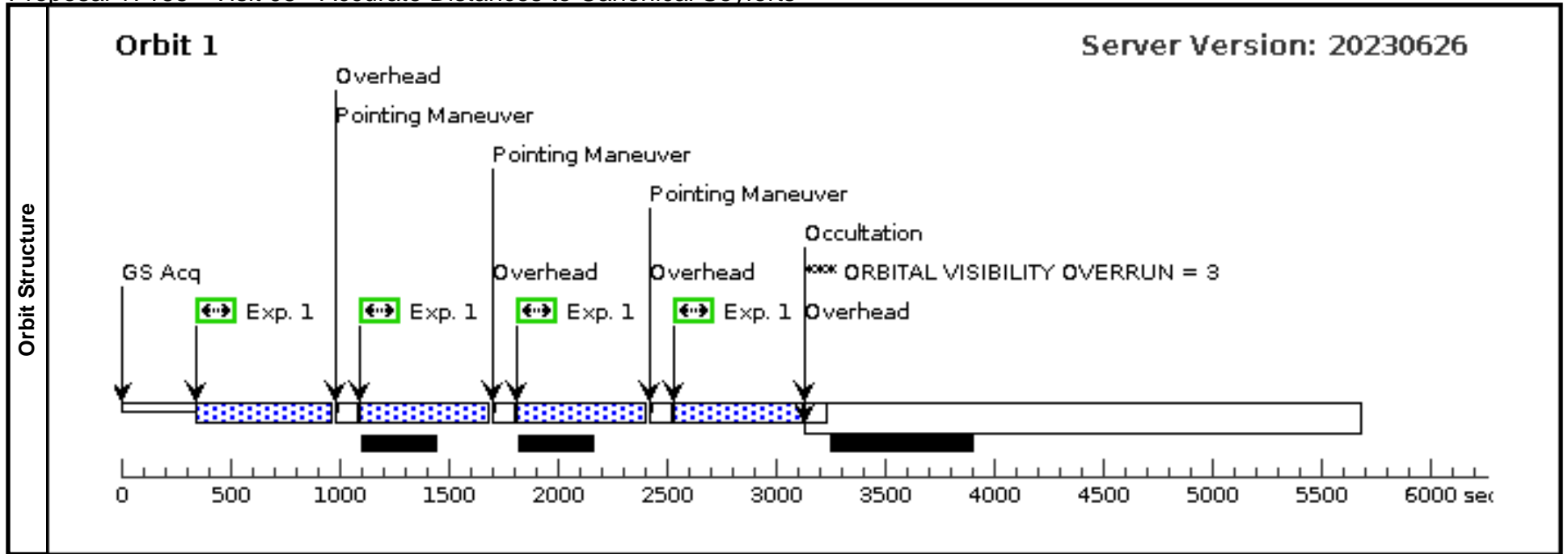
Visit	Proposal 17165, Visit 04, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 21 D TO 23 D									
	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 04) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-1068	(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 04 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 05 - Accurate Distances to Canonical Seyferts

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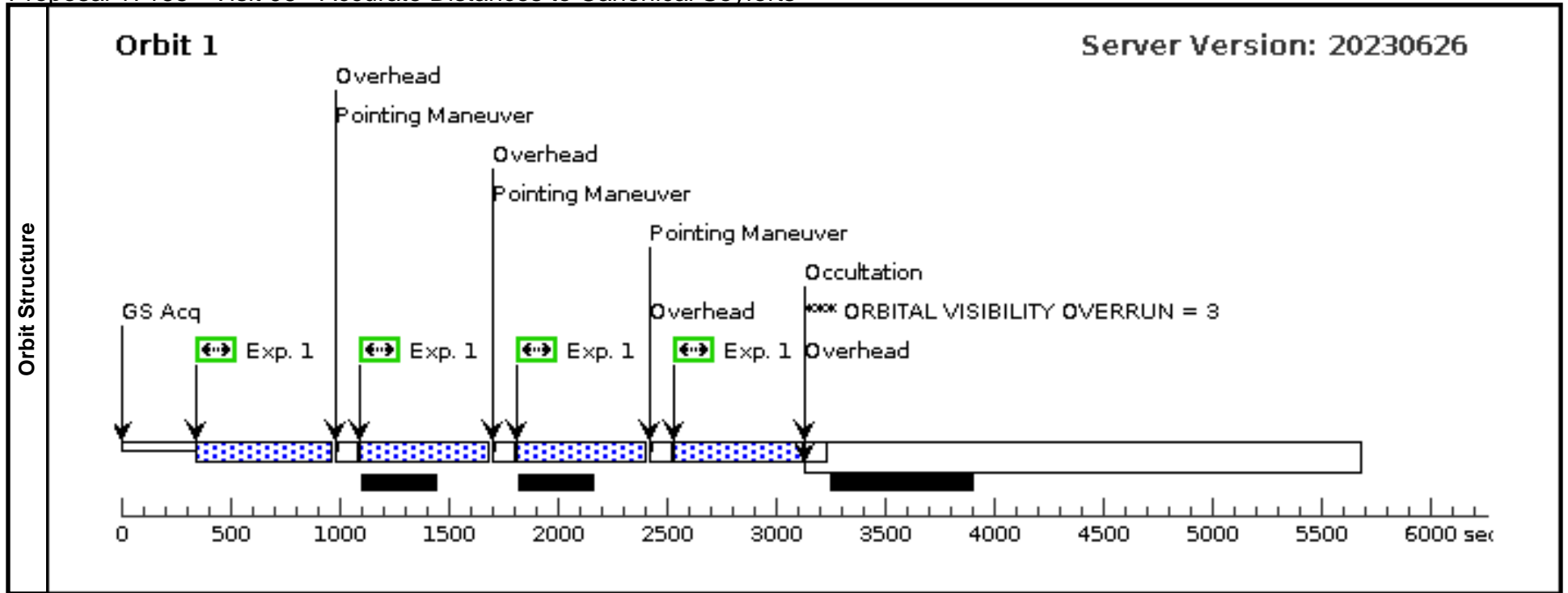
Visit	Proposal 17165, Visit 05, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 25.1 D TO 27.1 D									
	(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 05) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 05 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 06 - Accurate Distances to Canonical Seyferts

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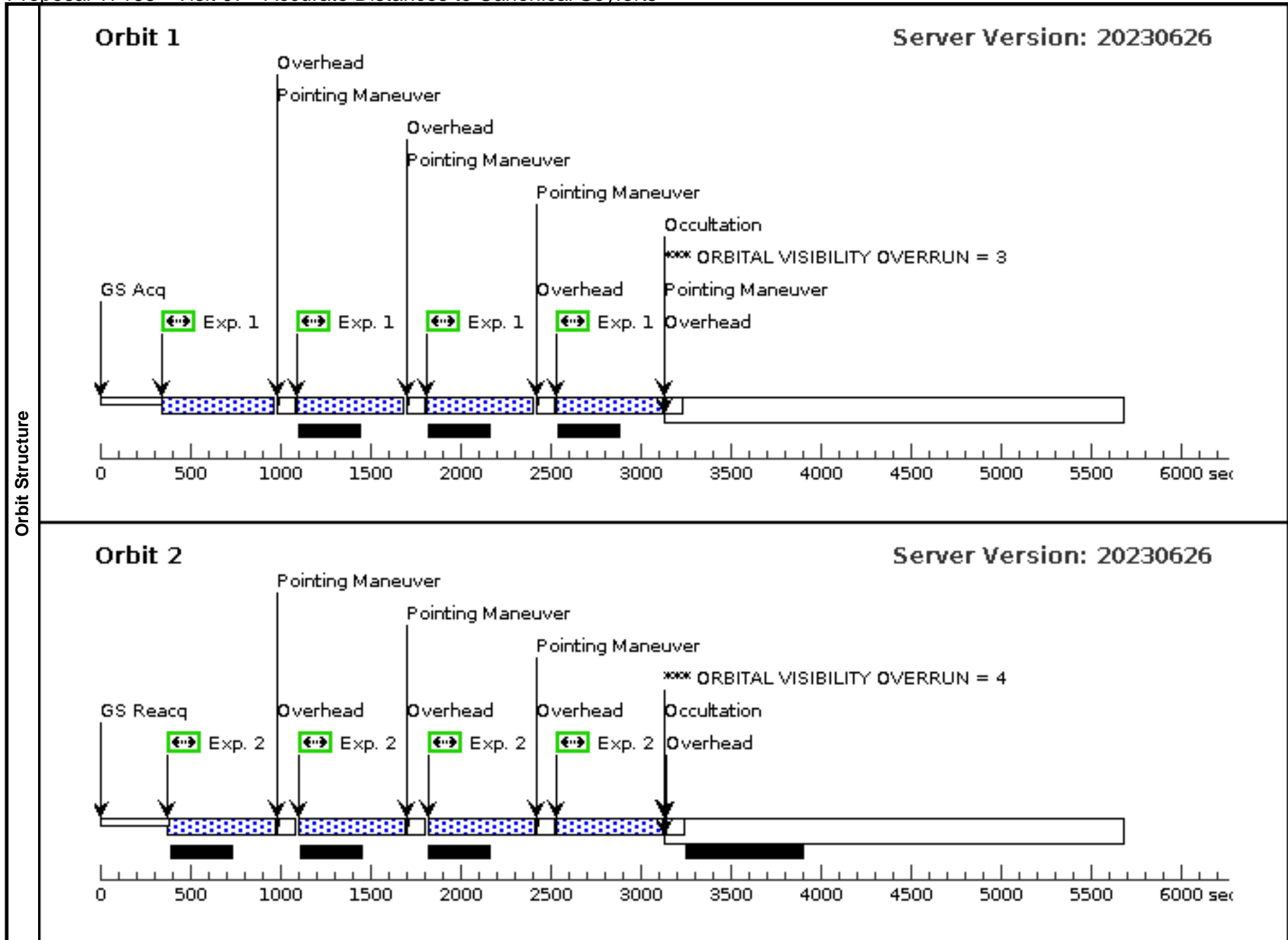
Visit	Proposal 17165, Visit 06, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 76.8D TO 76.8 D; BETWEEN 2024.055:18 AND 2024.057:04									
	(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=			(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 06 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 07 - Accurate Distances to Canonical Seyferts

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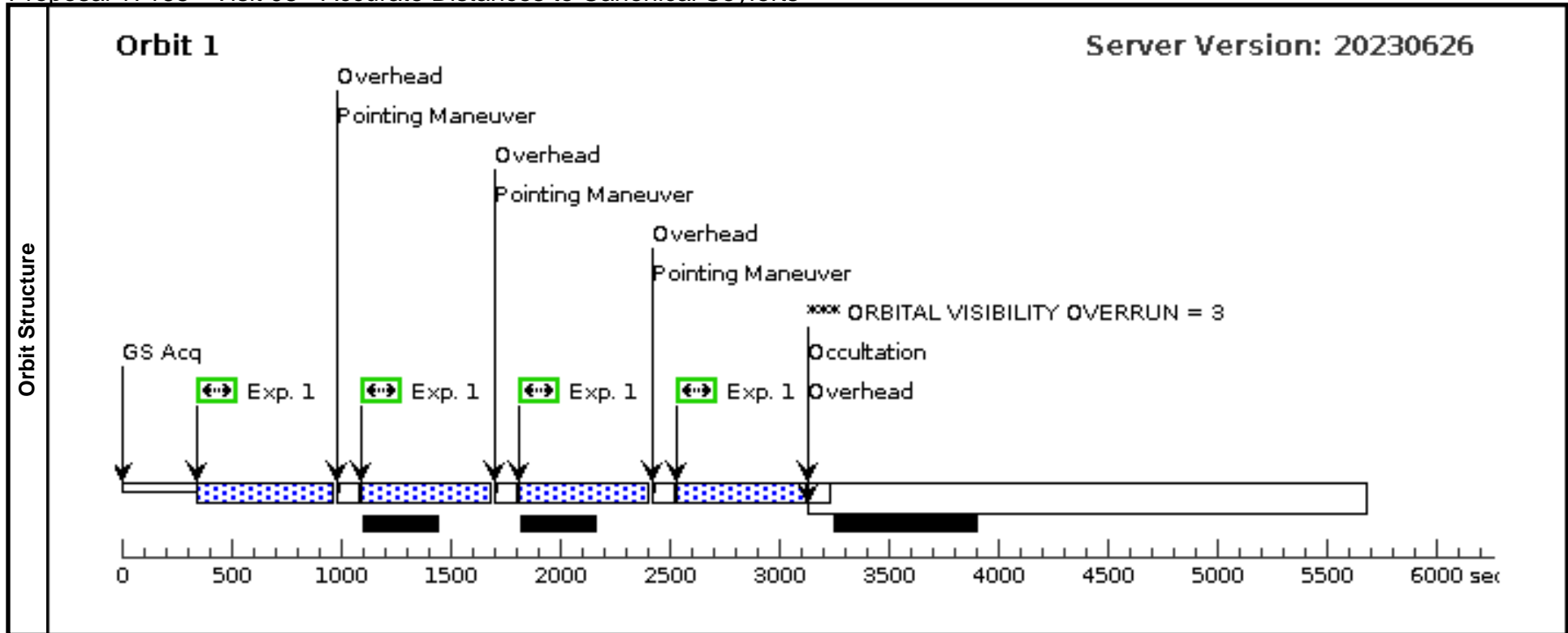
Visit	Proposal 17165, Visit 07, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 29.8 D TO 31.8 D									
	(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 07) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Point Spacing=0.145 Center Pattern=false Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 07 (1)	550 Secs (2364 Secs)	
									[=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]
	2		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Pattern 1, Exps 2-2 i n Visit 07 (1)	550 Secs (2356 Secs)	
								[=>589.0 Secs (Pattern 1,1)] [=>589.0 Secs (Pattern 1,2)] [=>589.0 Secs (Pattern 2,1)] [=>589.0 Secs (Pattern 2,2)]	[2]	



Proposal 17165 - Visit 08 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:06 GMT 2024

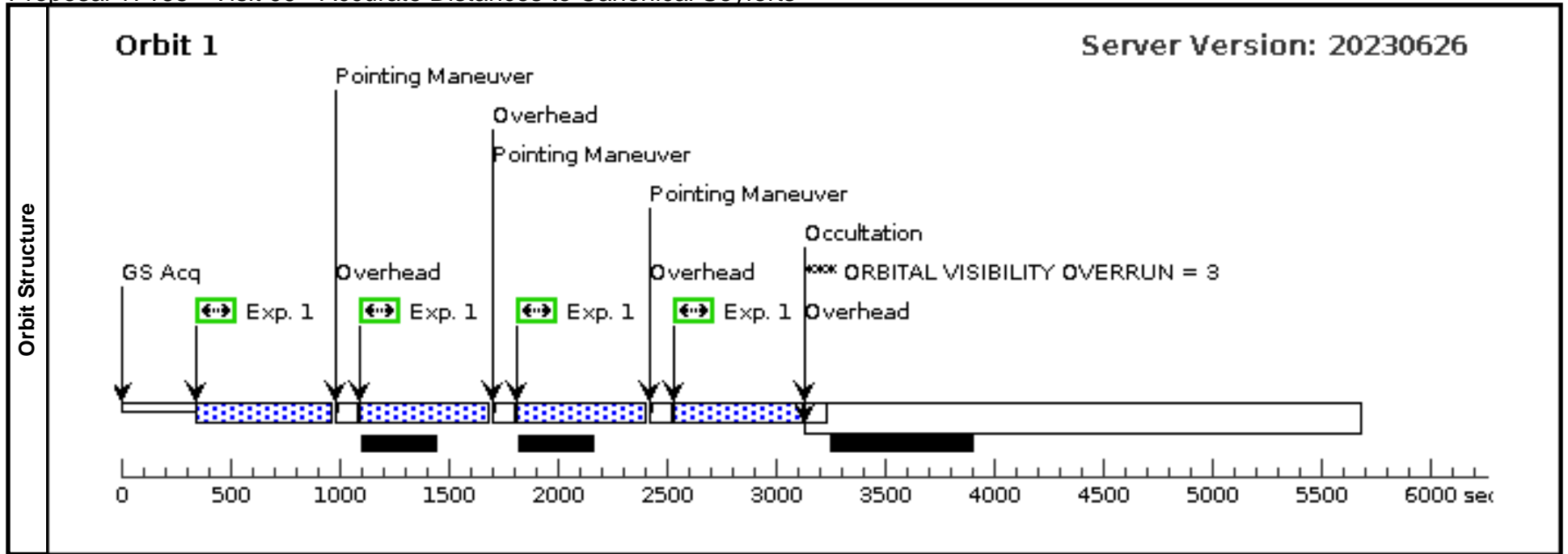
Visit	Proposal 17165, Visit 08, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 32.1 D TO 34.1 D									
	(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 08) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 08 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 09 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:06 GMT 2024

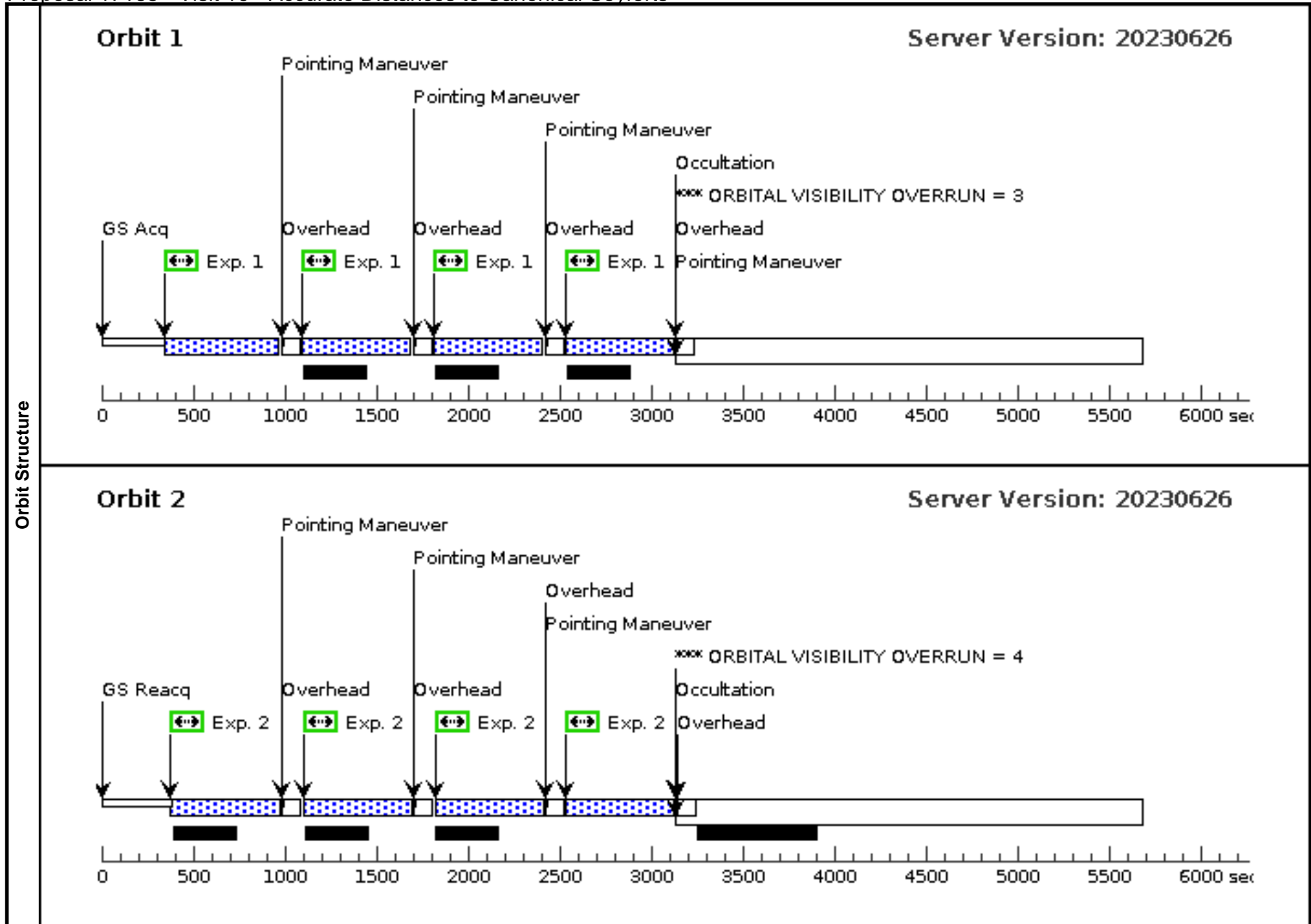
Visit	Proposal 17165, Visit 09, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 76.8D TO 76.8 D; BETWEEN 2024.058:04 AND 2024.060:06									
	(Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Point Spacing=0.145 Center Pattern=false Line Spacing=			(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 09 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 10 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:06 GMT 2024

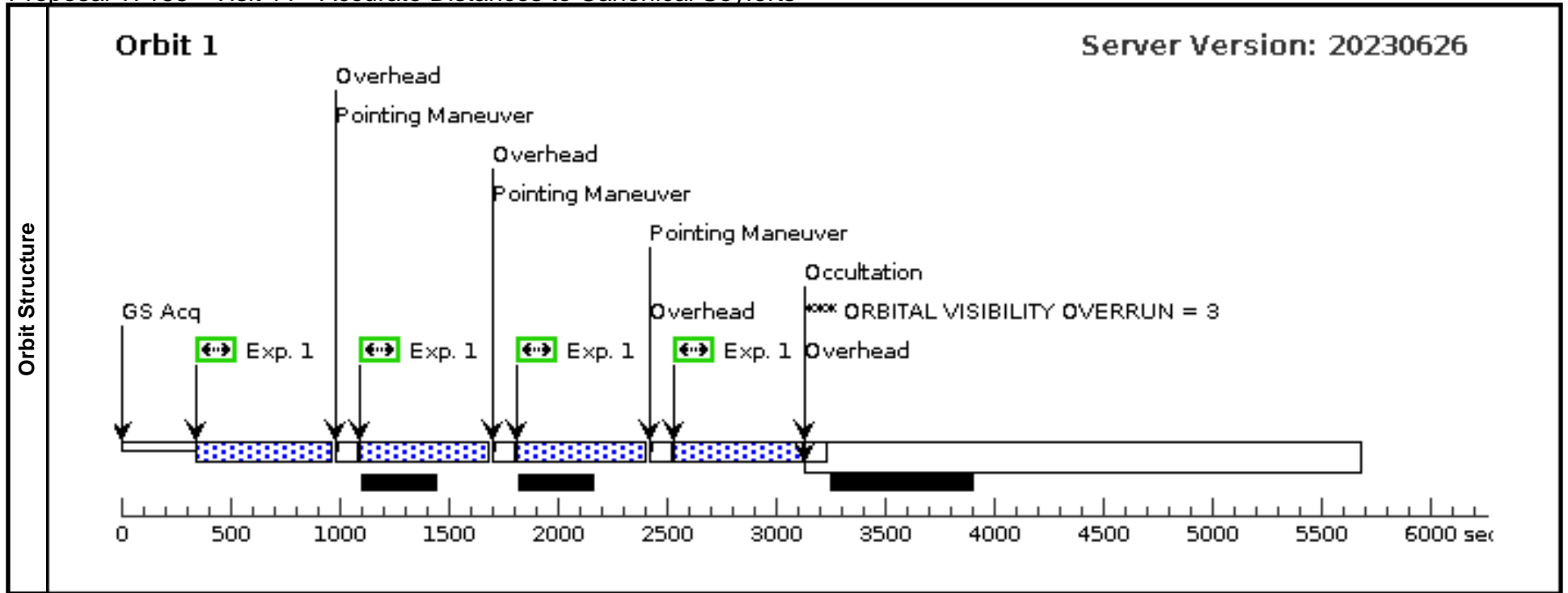
Visit	Proposal 17165, Visit 10, scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 44.2 D TO 46.2 D									
	(Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 10) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Point Spacing=0.145 Center Pattern=false Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-1068	(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 10 (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]
	2	(1) NGC-1068	(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Pattern 1, Exps 2-2 i n Visit 10 (1)	550 Secs (2356 Secs) [==>589.0 Secs (Pattern 1,1)] [==>589.0 Secs (Pattern 1,2)] [==>589.0 Secs (Pattern 2,1)] [==>589.0 Secs (Pattern 2,2)]	[2]



Proposal 17165 - Visit 11 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:06 GMT 2024

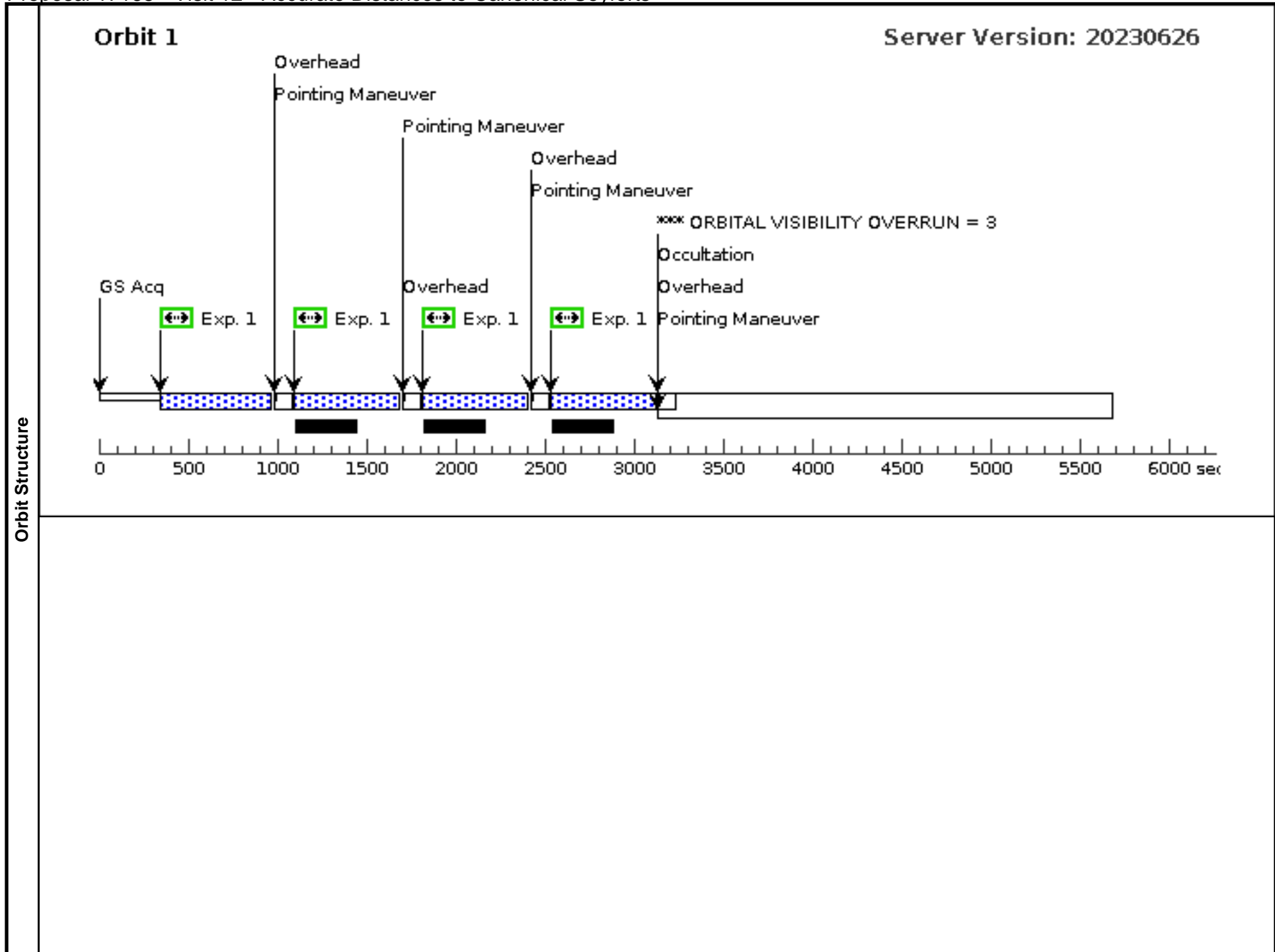
Visit	Proposal 17165, Visit 11, scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 51.5 D TO 53.5 D									
	(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 11)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 11) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-1068	(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 11 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]

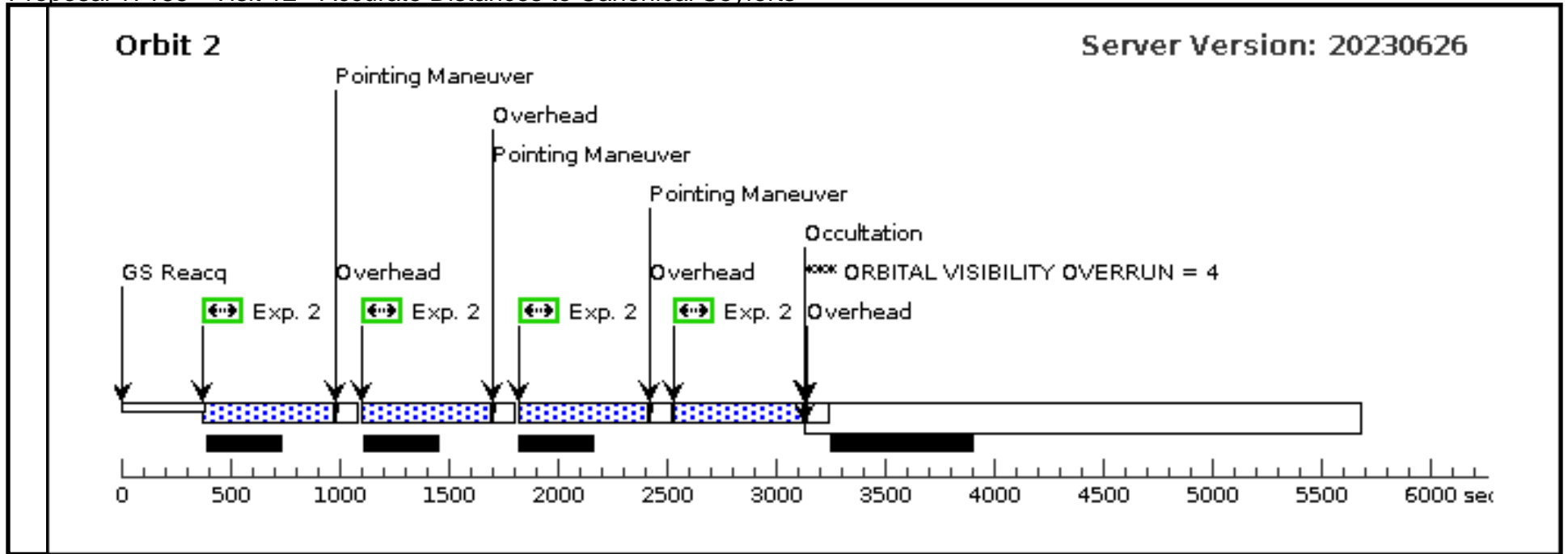


Proposal 17165 - Visit 12 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:06 GMT 2024

Visit	Proposal 17165, Visit 12, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 76.8D TO 76.8 D; BETWEEN 2024.047:13:30 AND 2024.049:13:30									
	Diagnosics (Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 12)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 12)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1068	RA: 02 42 40.7710 (40.6698792d) Dec: -00 00 47.84 (-.01329d) Equinox: J2000	Epoch of Position: 2015.5	V=8.87	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 12 (1)	550 Secs (2364 Secs)	
									[=>591.0 Secs (Pattern 1,1)]	[1]
									[=>591.0 Secs (Pattern 1,2)]	
								[=>591.0 Secs (Pattern 2,1)]		
								[=>591.0 Secs (Pattern 2,2)]		
2		(1) NGC-1068	WFC3/UVIS, ACCUM, UVIS-FIX	F814W				Pattern 1, Exps 2-2 in Visit 12 (1)	550 Secs (2356 Secs)	
									[=>589.0 Secs (Pattern 1,1)]	[2]
								[=>589.0 Secs (Pattern 1,2)]		
								[=>589.0 Secs (Pattern 2,1)]		
								[=>589.0 Secs (Pattern 2,2)]		





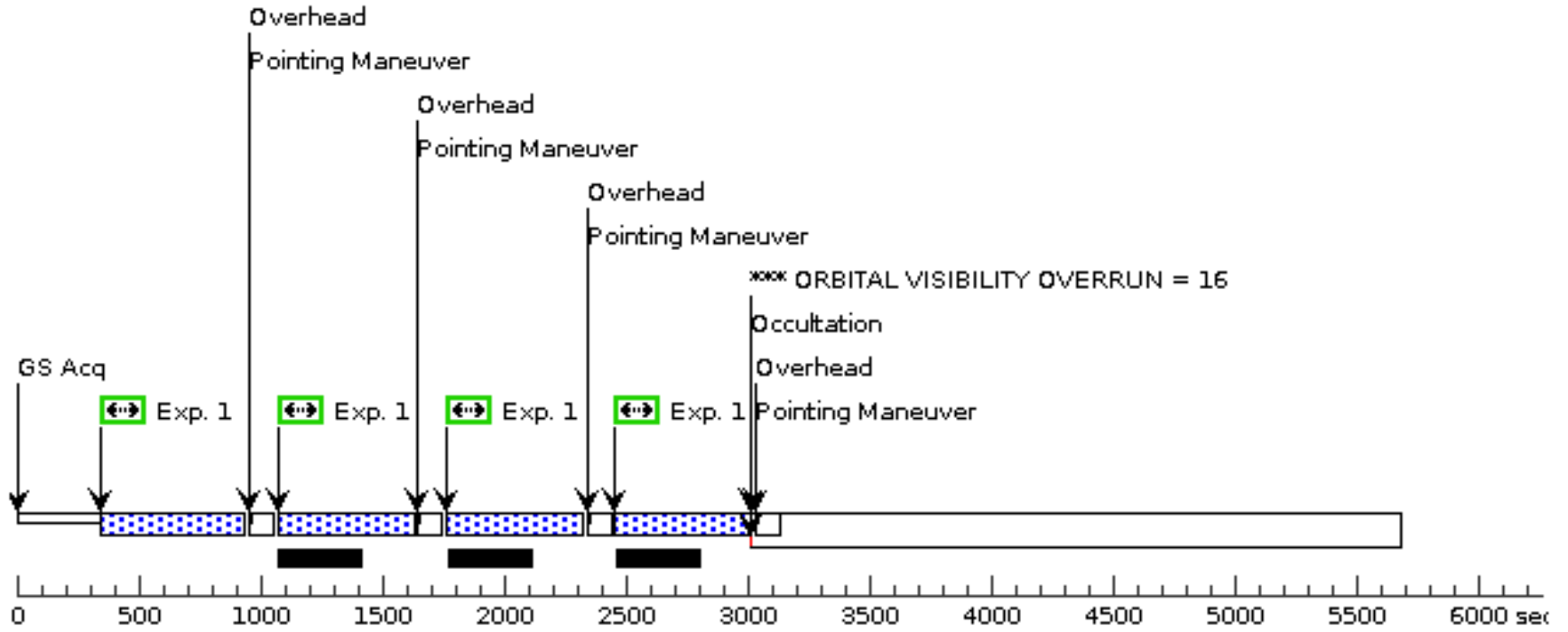
Proposal 17165 - Visit 13 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:06 GMT 2024

Visit	Proposal 17165, Visit 13, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%									
	(Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2), (3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes					
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43 Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP				Pattern 1, Exps 1-1 i n Visit 13 (1)	550 Secs (2260 Secs) [=>565.0 Secs (Pattern 1,1)] [=>565.0 Secs (Pattern 1,2)] [=>565.0 Secs (Pattern 2,1)] [=>565.0 Secs (Pattern 2,2)]	[1]
	2	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F555W	FLASH=4			Pattern 1, Exps 2-2 i n Visit 13 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[2]
	3	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F814W	FLASH=4			Pattern 1, Exps 3-3 i n Visit 13 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[3]

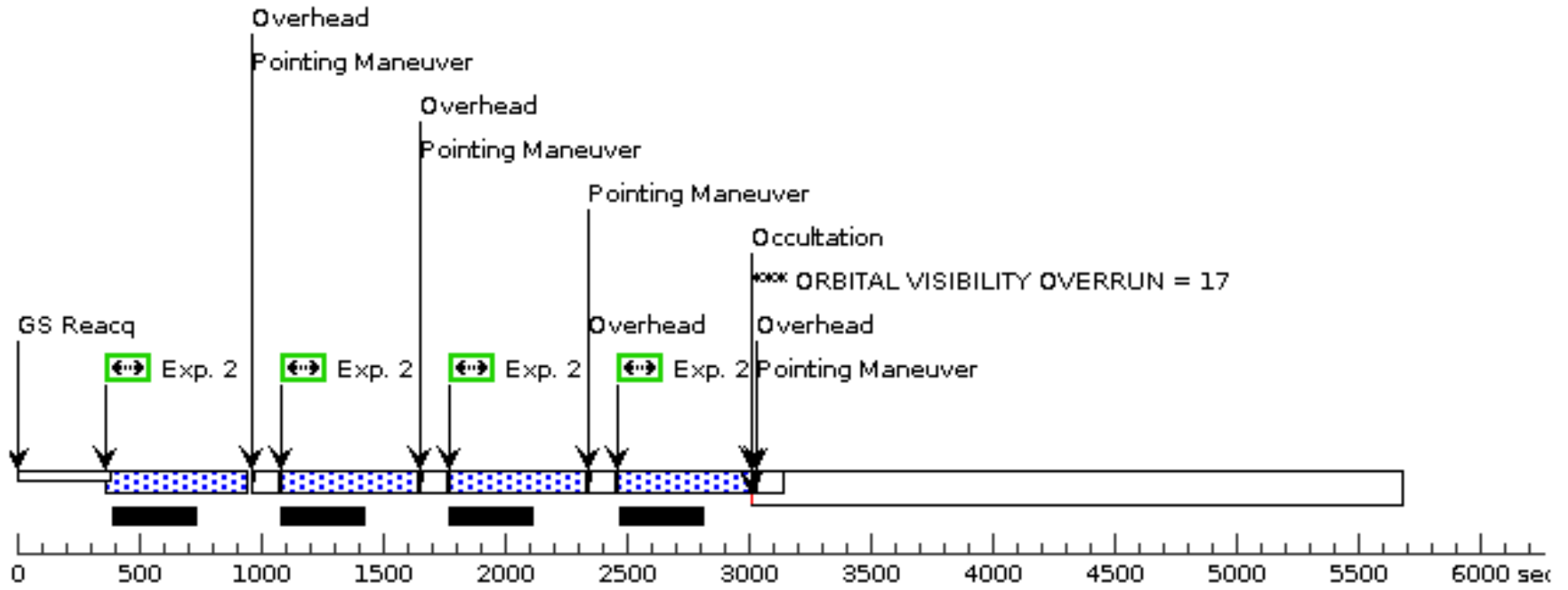
Orbit Structure

Orbit 1



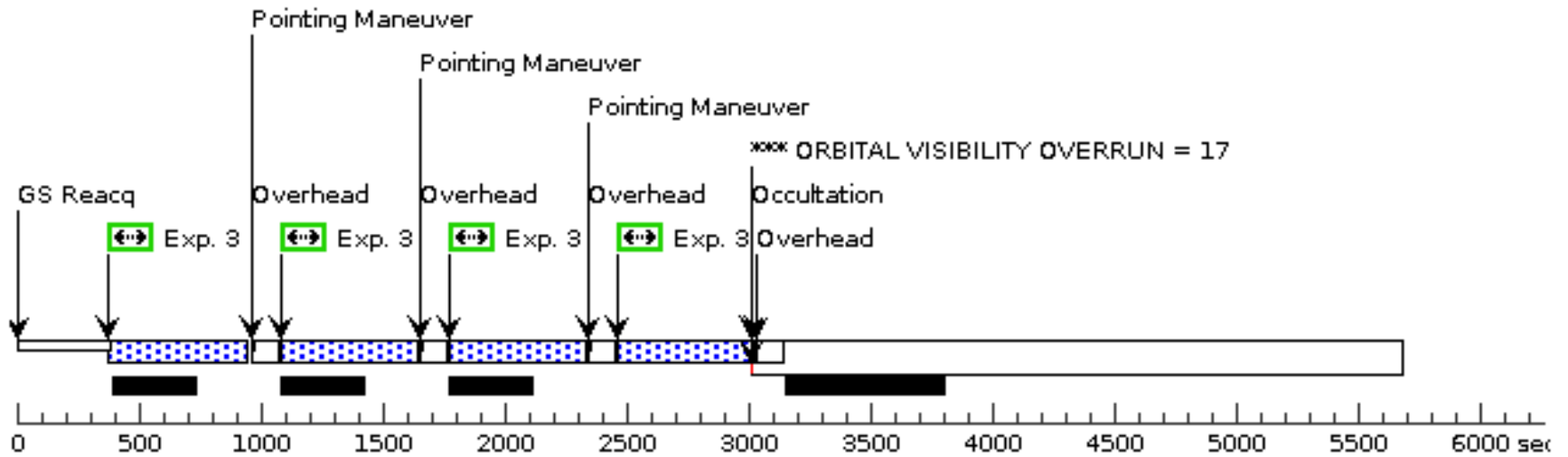
Orbit 2

Server Version: 20230626



Orbit 3

Server Version: 20230626



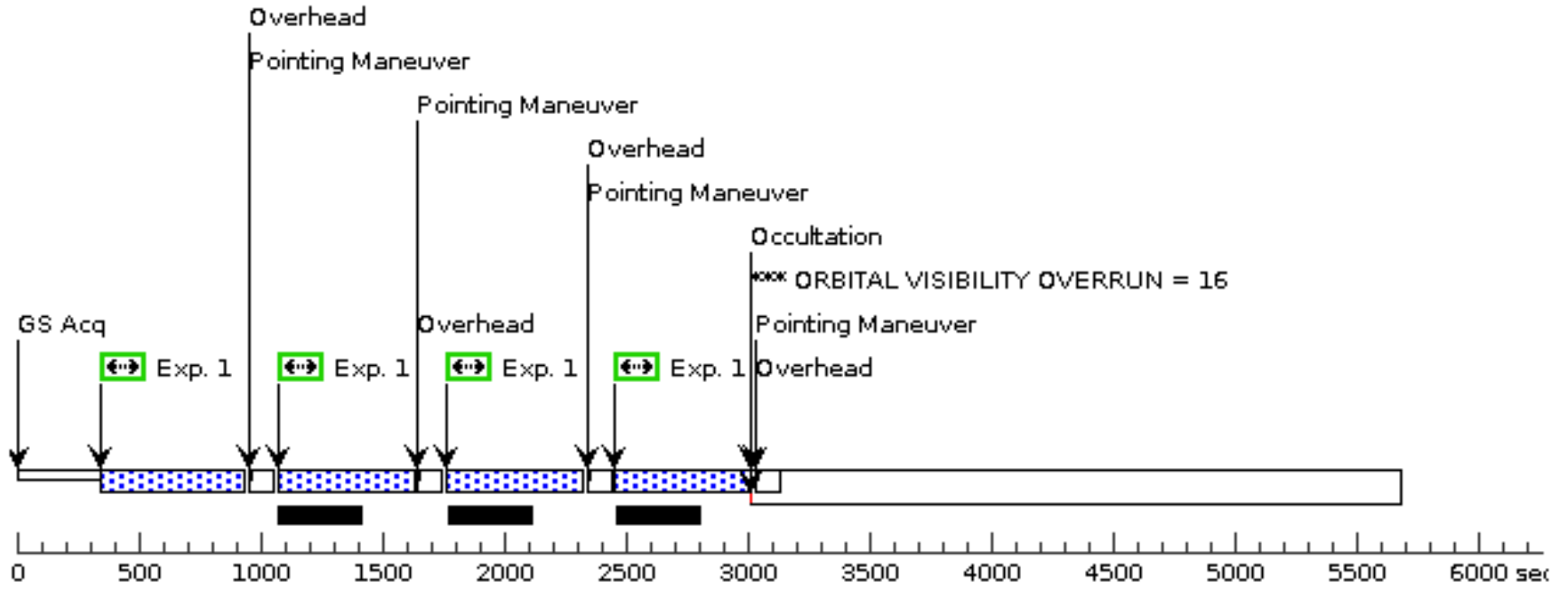
Proposal 17165 - Visit 14 - Accurate Distances to Canonical Seyferts

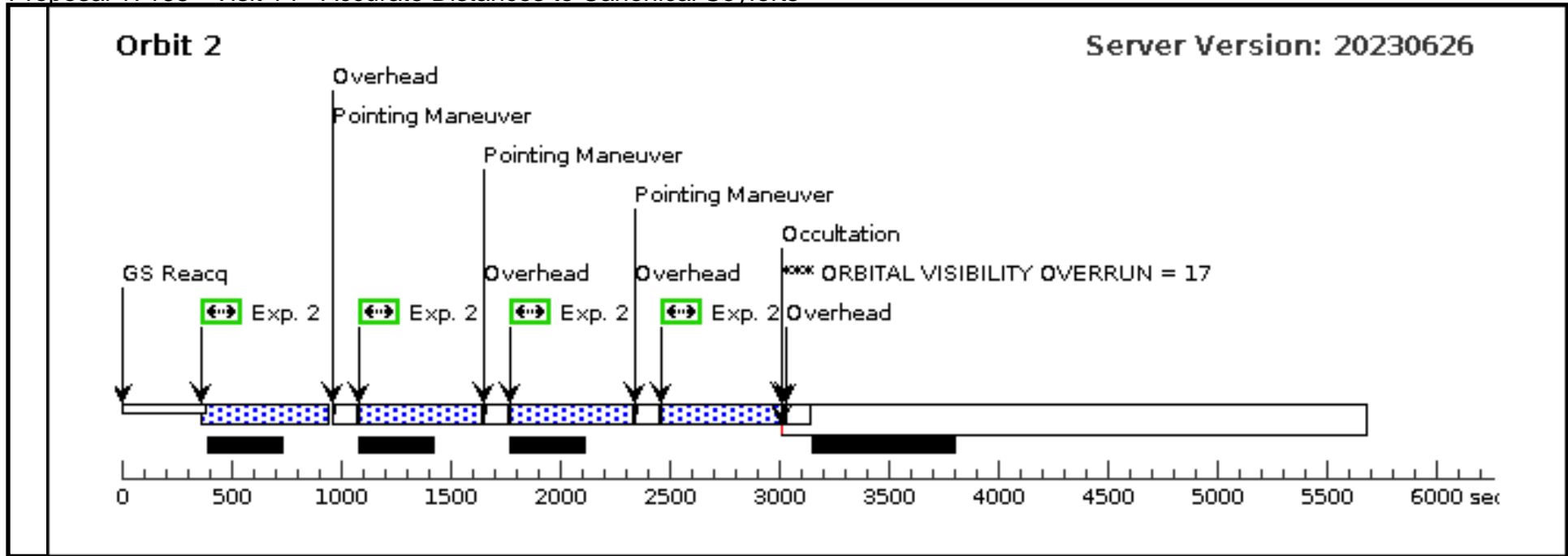
Mon Jan 29 20:01:06 GMT 2024

Visit	Proposal 17165, Visit 14, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 13; AFTER 13 BY 11.8 D TO 13.8 D									
	(Visit 14) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 14) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 14) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 14 (1)	550 Secs (2260 Secs) [==>565.0 Secs (Pattern 1,1)] [==>565.0 Secs (Pattern 1,2)] [==>565.0 Secs (Pattern 2,1)] [==>565.0 Secs (Pattern 2,2)]	[1]
2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		FLASH=4		Pattern 1, Exps 2-2 i n Visit 14 (1)	550 Secs (2240 Secs) [==>560.0 Secs (Pattern 1,1)] [==>560.0 Secs (Pattern 1,2)] [==>560.0 Secs (Pattern 2,1)] [==>560.0 Secs (Pattern 2,2)]	[2]

Orbit 1

Orbit Structure



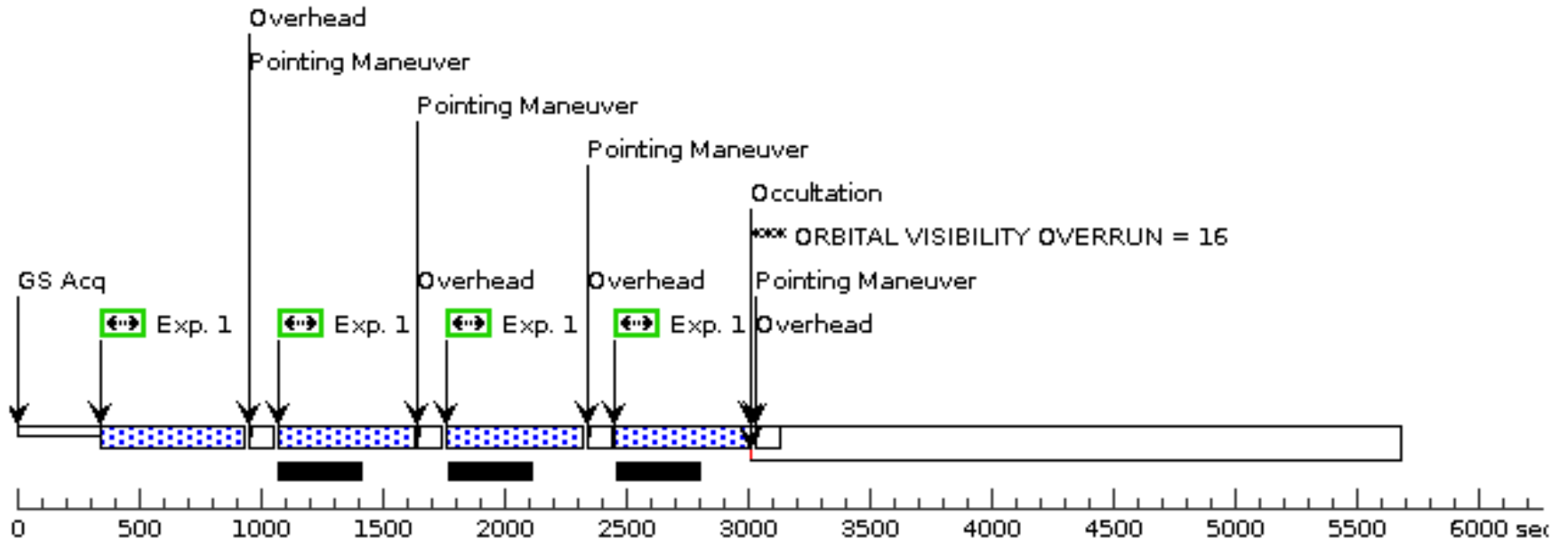


Proposal 17165 - Visit 15 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:06 GMT 2024

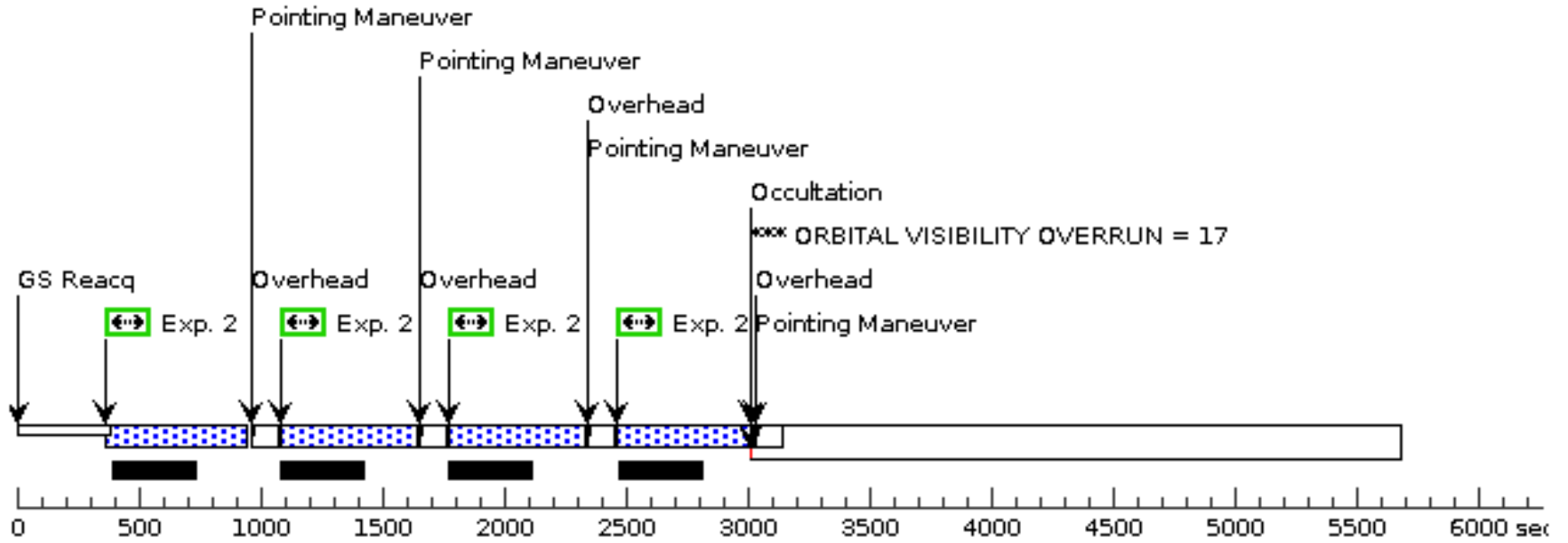
Visit	Proposal 17165, Visit 15, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 13; AFTER 13 BY 20.5 D TO 22.5 D									
	(Visit 15) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 15) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 15) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 15) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2), (3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes					
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43 Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 15 (1)	550 Secs (2260 Secs) [=>565.0 Secs (Pattern 1,1)] [=>565.0 Secs (Pattern 1,2)] [=>565.0 Secs (Pattern 2,1)] [=>565.0 Secs (Pattern 2,2)]	[1]
	2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F555W	FLASH=4		Pattern 1, Exps 2-2 i n Visit 15 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[2]
	3	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F814W	FLASH=4		Pattern 1, Exps 3-3 i n Visit 15 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[3]

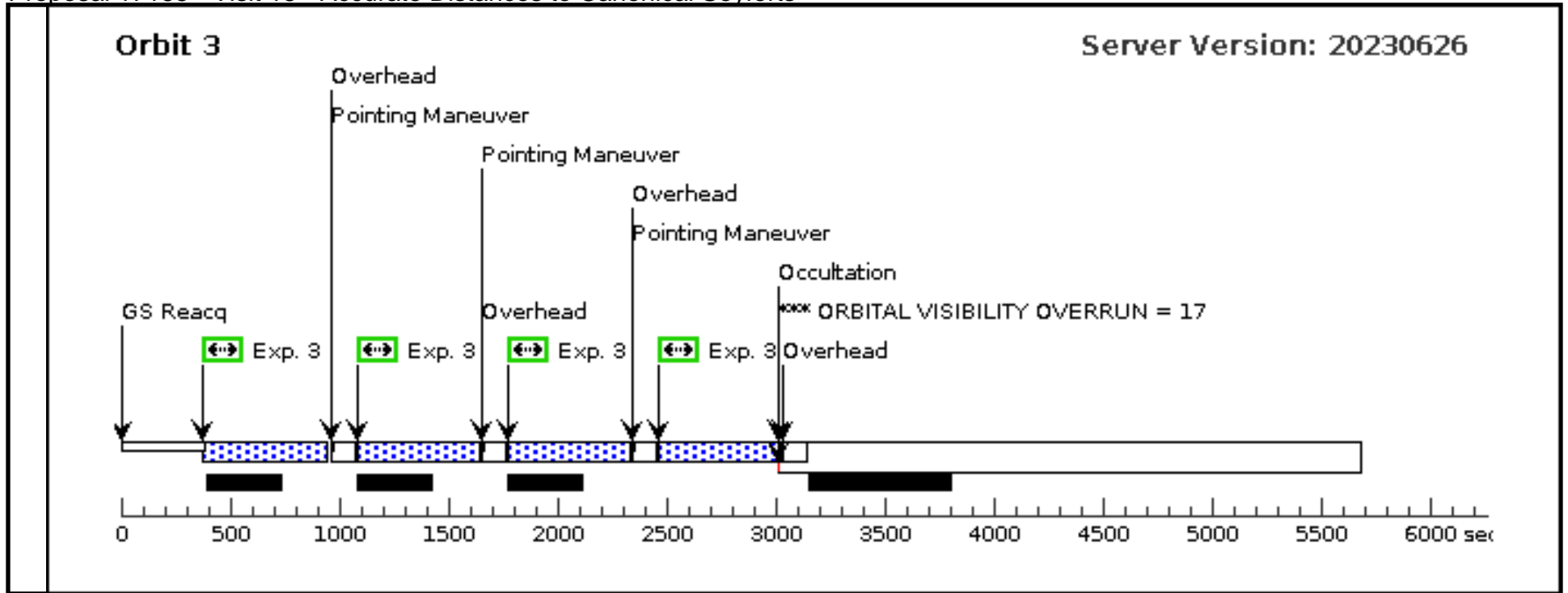
Orbit 1



Orbit Structure

Orbit 2





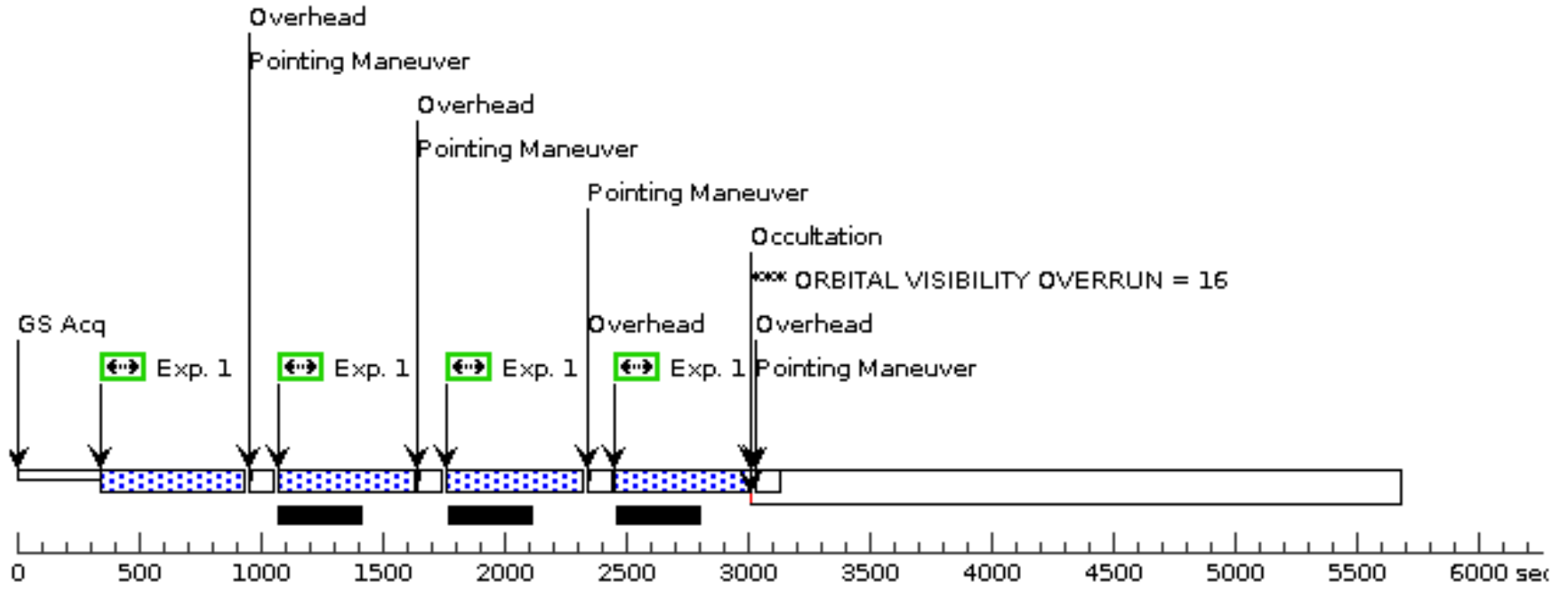
Proposal 17165 - Visit 16 - Accurate Distances to Canonical Seyferts

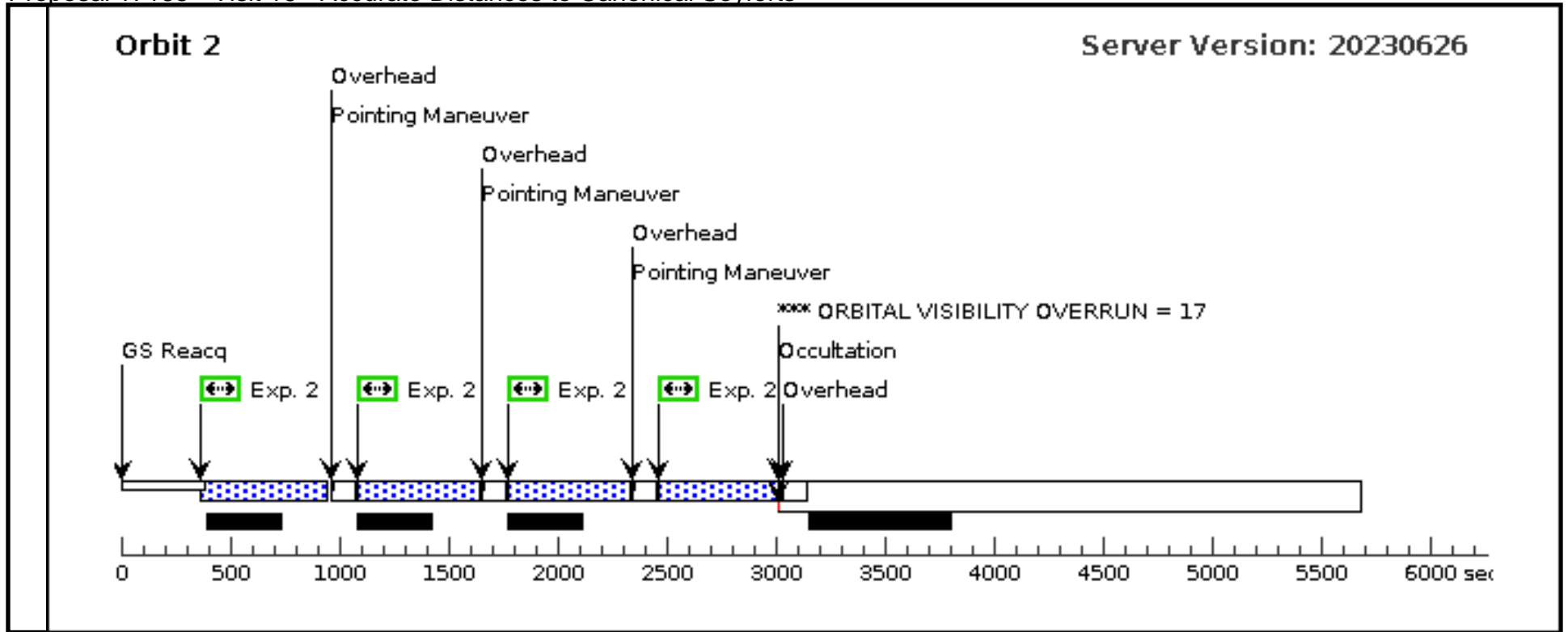
Mon Jan 29 20:01:06 GMT 2024

Visit	Proposal 17165, Visit 16, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 13; AFTER 13 BY 25.8 D TO 27.8 D									
	(Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 16) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783		WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 16 (1)	550 Secs (2260 Secs) [==>565.0 Secs (Pattern 1,1)] [==>565.0 Secs (Pattern 1,2)] [==>565.0 Secs (Pattern 2,1)] [==>565.0 Secs (Pattern 2,2)]	[1]
2	(3) NGC-3783		WFC3/UVIS, ACCUM, UVIS-FIX	F555W		FLASH=4		Pattern 1, Exps 2-2 i n Visit 16 (1)	550 Secs (2240 Secs) [==>560.0 Secs (Pattern 1,1)] [==>560.0 Secs (Pattern 1,2)] [==>560.0 Secs (Pattern 2,1)] [==>560.0 Secs (Pattern 2,2)]	[2]

Orbit 1

Orbit Structure

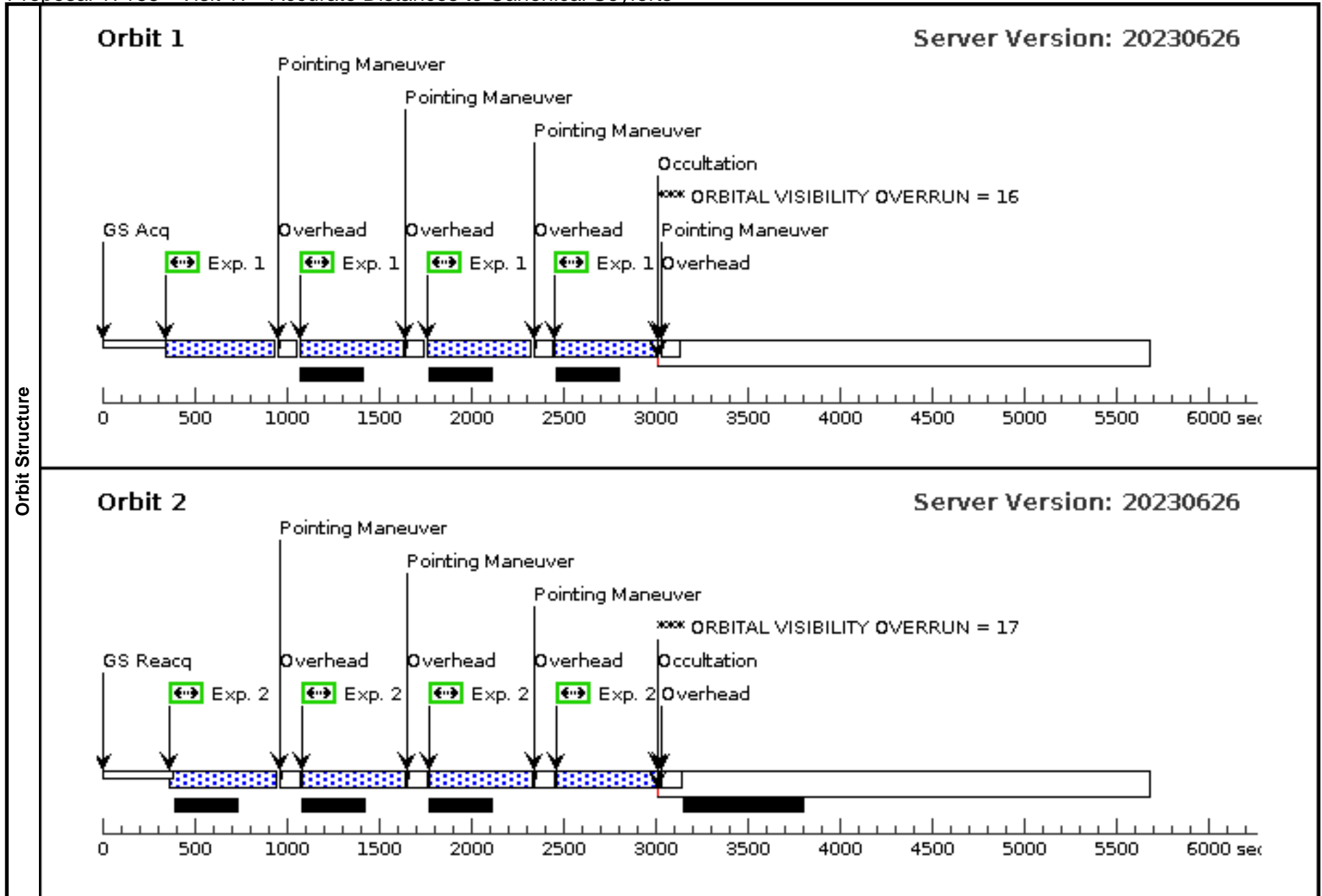




Proposal 17165 - Visit 17 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 17, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 13; AFTER 13 BY 30.5 D TO 35.5 D									
	(Visit 17) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 17) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 17) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=			(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783		WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 17 (1)	550 Secs (2260 Secs) [==>565.0 Secs (Pattern 1,1)] [==>565.0 Secs (Pattern 1,2)] [==>565.0 Secs (Pattern 2,1)] [==>565.0 Secs (Pattern 2,2)]	[1]
2	(3) NGC-3783		WFC3/UVIS, ACCUM, UVIS-FIX	F814W		FLASH=4		Pattern 1, Exps 2-2 i n Visit 17 (1)	550 Secs (2240 Secs) [==>560.0 Secs (Pattern 1,1)] [==>560.0 Secs (Pattern 1,2)] [==>560.0 Secs (Pattern 2,1)] [==>560.0 Secs (Pattern 2,2)]	[2]

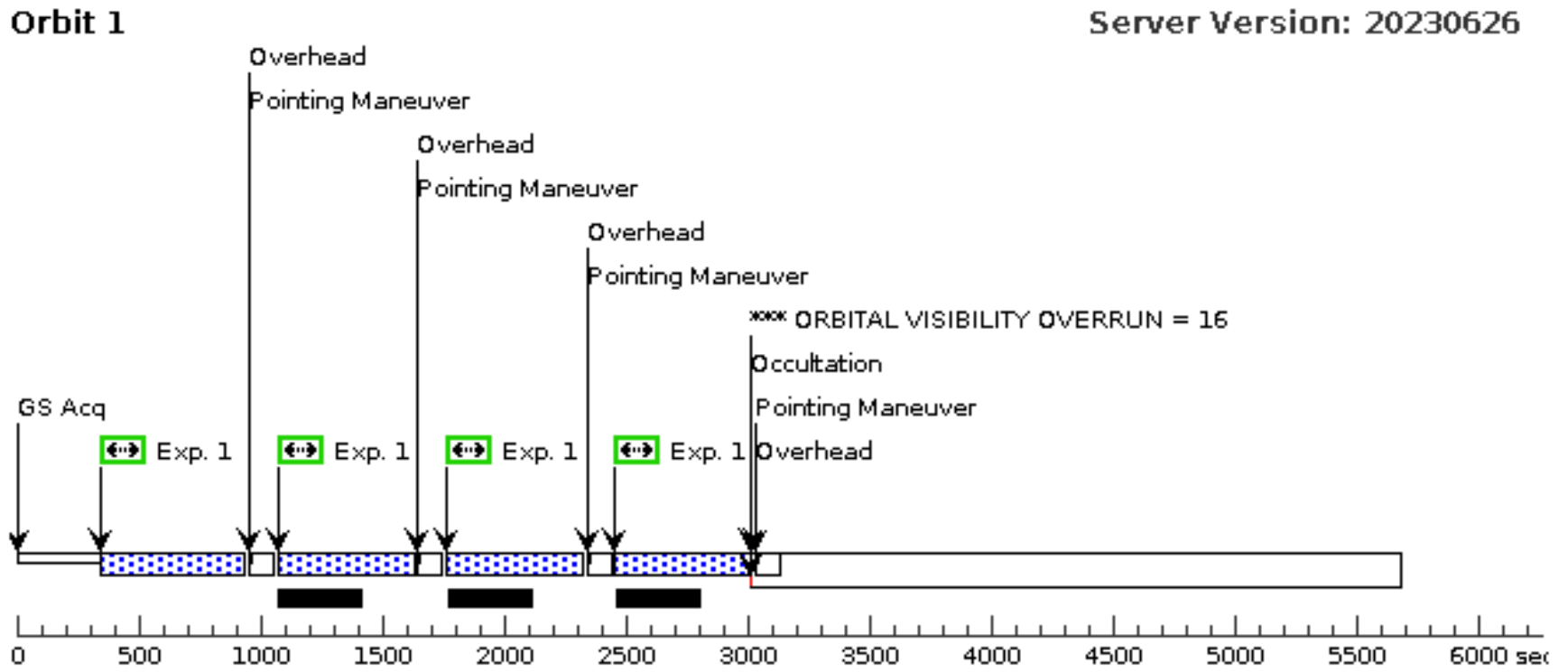


Proposal 17165 - Visit 18 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

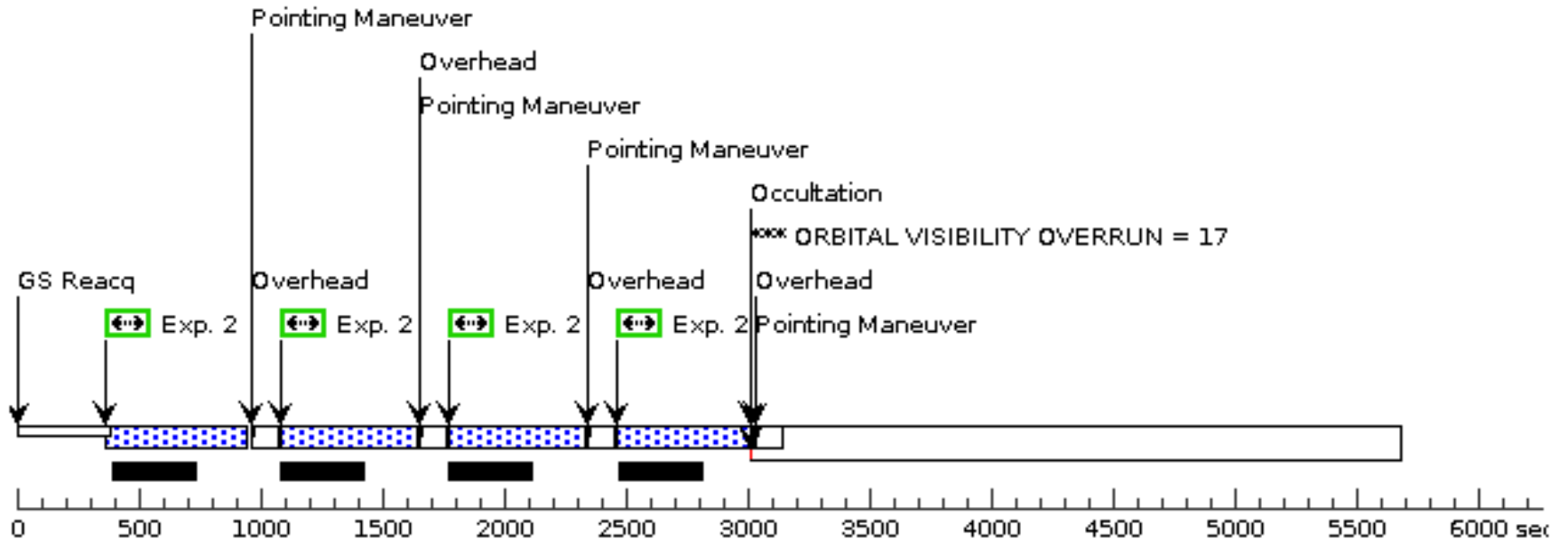
Visit	Proposal 17165, Visit 18, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; AFTER 13 BY 39.6 D TO 41.6 D									
	(Visit 18) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 18) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 18) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2), (3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes					
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43 Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 18 (1)	550 Secs (2260 Secs) [=>565.0 Secs (Pattern 1,1)] [=>565.0 Secs (Pattern 1,2)] [=>565.0 Secs (Pattern 2,1)] [=>565.0 Secs (Pattern 2,2)]	[1]
	2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F555W	FLASH=4		Pattern 1, Exps 2-2 i n Visit 18 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[2]
	3	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F814W	FLASH=4		Pattern 1, Exps 3-3 i n Visit 18 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[3]

Orbit Structure



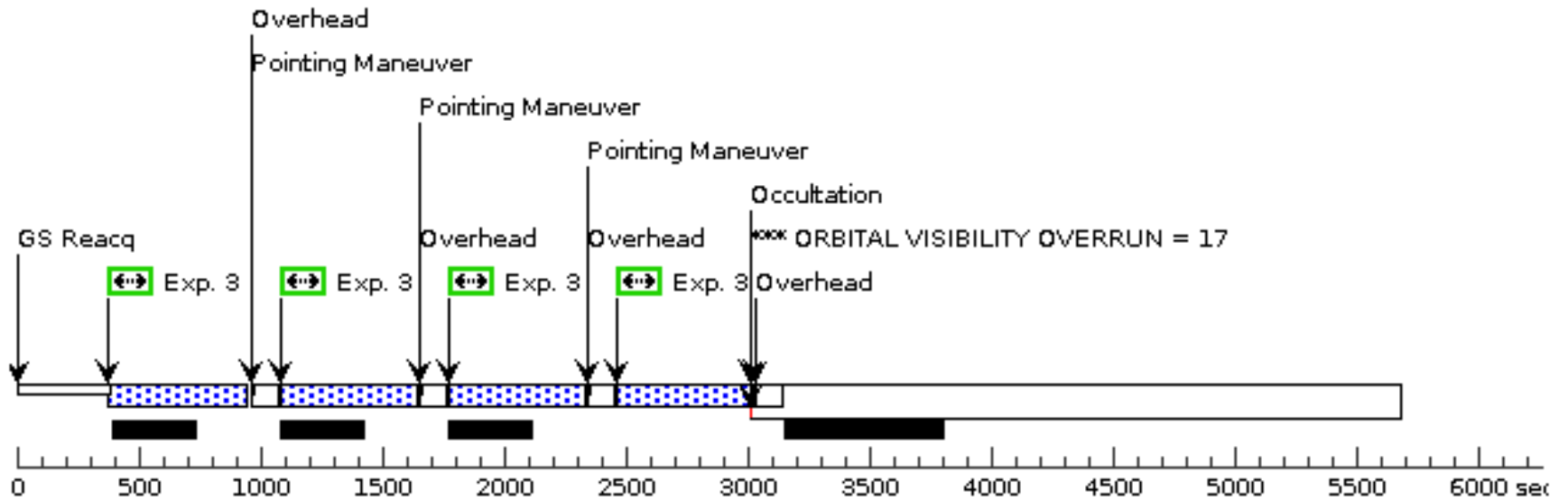
Orbit 2

Server Version: 20230626



Orbit 3

Server Version: 20230626



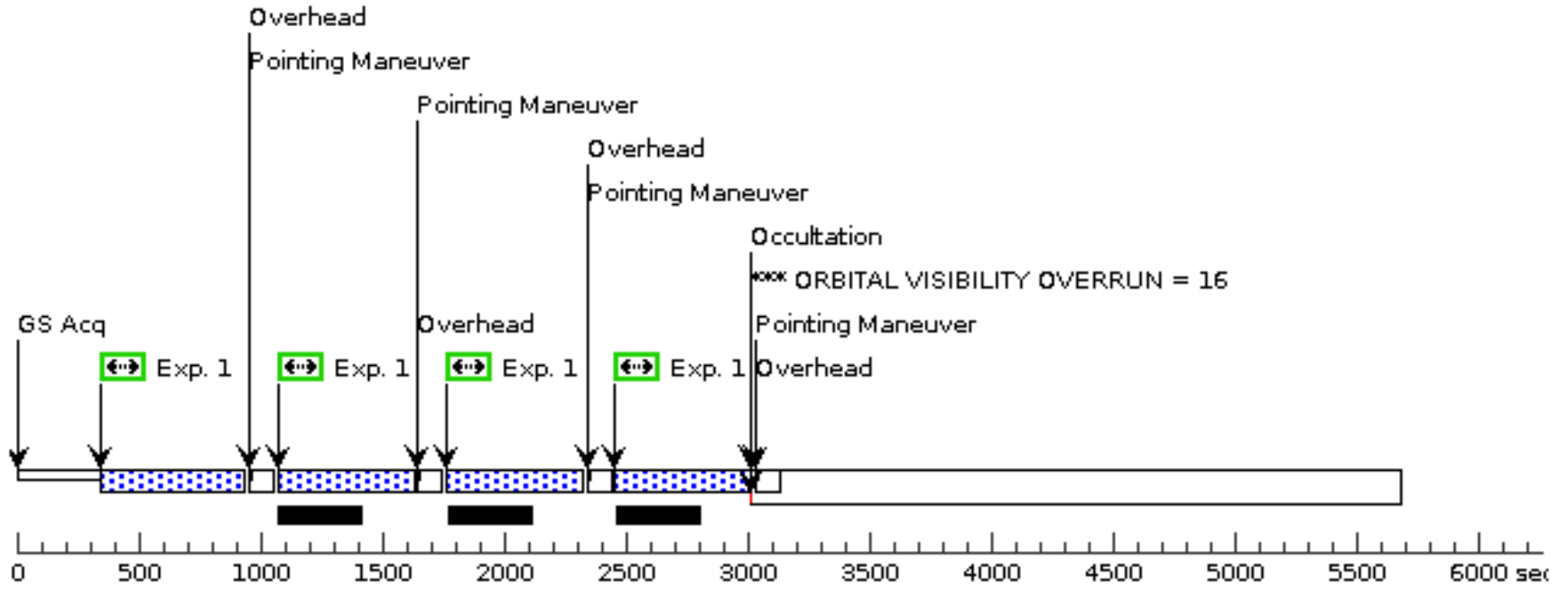
Proposal 17165 - Visit 19 - Accurate Distances to Canonical Seyferts

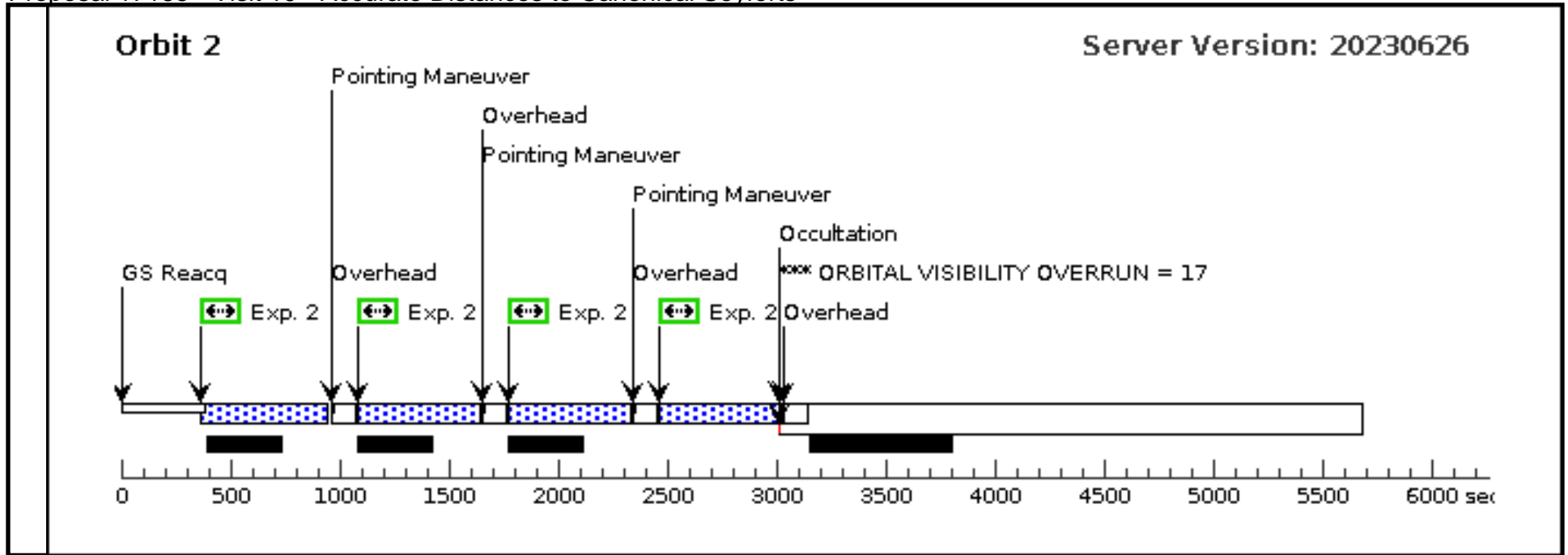
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 19, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 18; AFTER 13 BY 44.7 D TO 46.7 D									
	(Visit 19) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 19) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 19) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP				Pattern 1, Exps 1-1 i n Visit 19 (1)	550 Secs (2260 Secs) [==>565.0 Secs (Pattern 1,1)] [==>565.0 Secs (Pattern 1,2)] [==>565.0 Secs (Pattern 2,1)] [==>565.0 Secs (Pattern 2,2)]
2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		FLASH=4		Pattern 1, Exps 2-2 i n Visit 19 (1)	550 Secs (2240 Secs) [==>560.0 Secs (Pattern 1,1)] [==>560.0 Secs (Pattern 1,2)] [==>560.0 Secs (Pattern 2,1)] [==>560.0 Secs (Pattern 2,2)]	[2]

Orbit 1

Orbit Structure

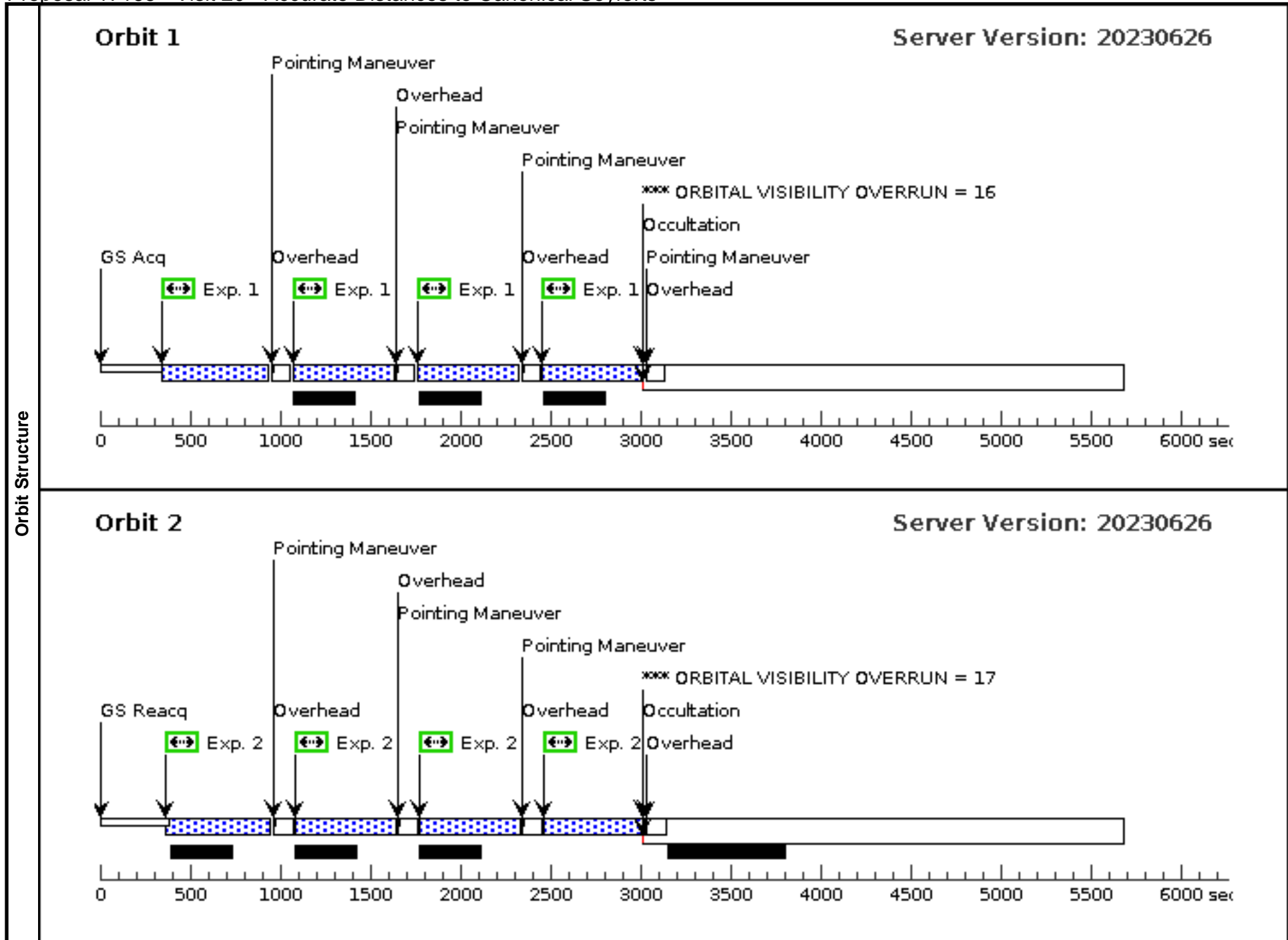




Proposal 17165 - Visit 20 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 20, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 18; AFTER 13 BY 52.2 D TO 54.2 D									
	(Visit 20) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 20) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 20) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP				Pattern 1, Exps 1-1 i n Visit 20 (1)	550 Secs (2260 Secs) [=>565.0 Secs (Pattern 1,1)] [=>565.0 Secs (Pattern 1,2)] [=>565.0 Secs (Pattern 2,1)] [=>565.0 Secs (Pattern 2,2)]
2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		FLASH=4		Pattern 1, Exps 2-2 i n Visit 20 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[2]



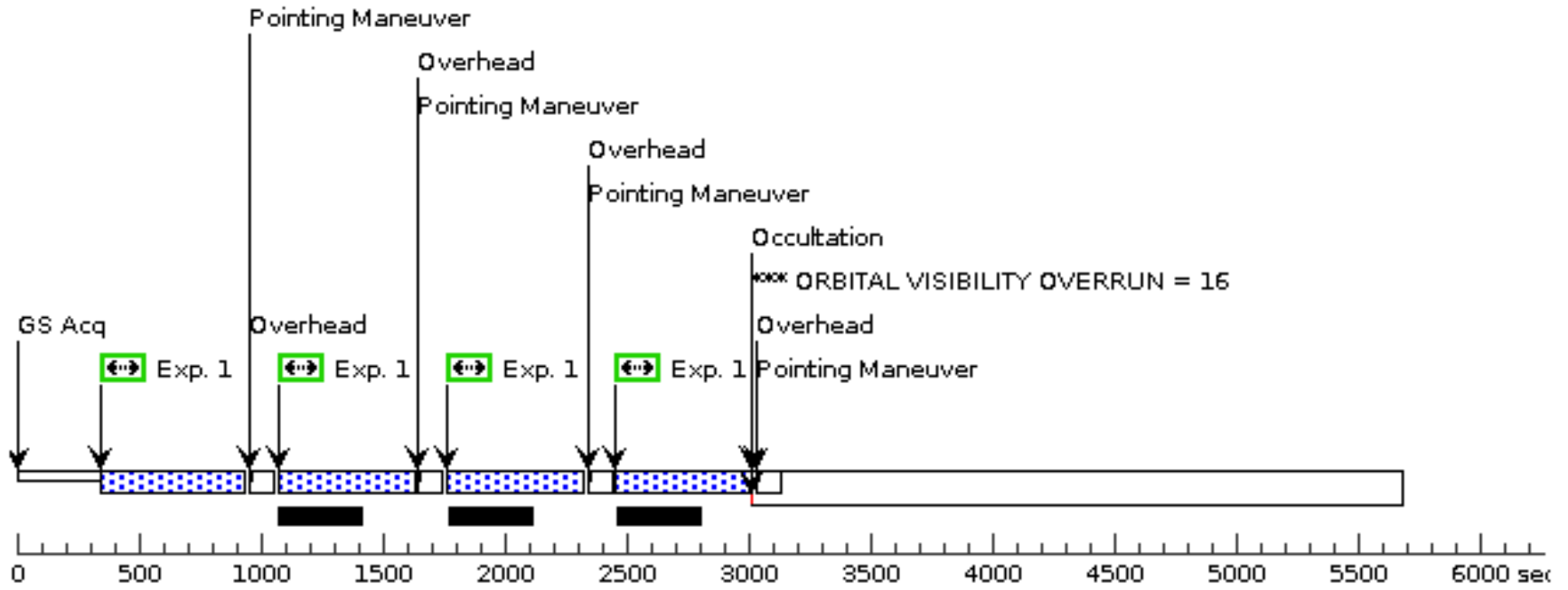
Proposal 17165 - Visit 21 - Accurate Distances to Canonical Seyferts

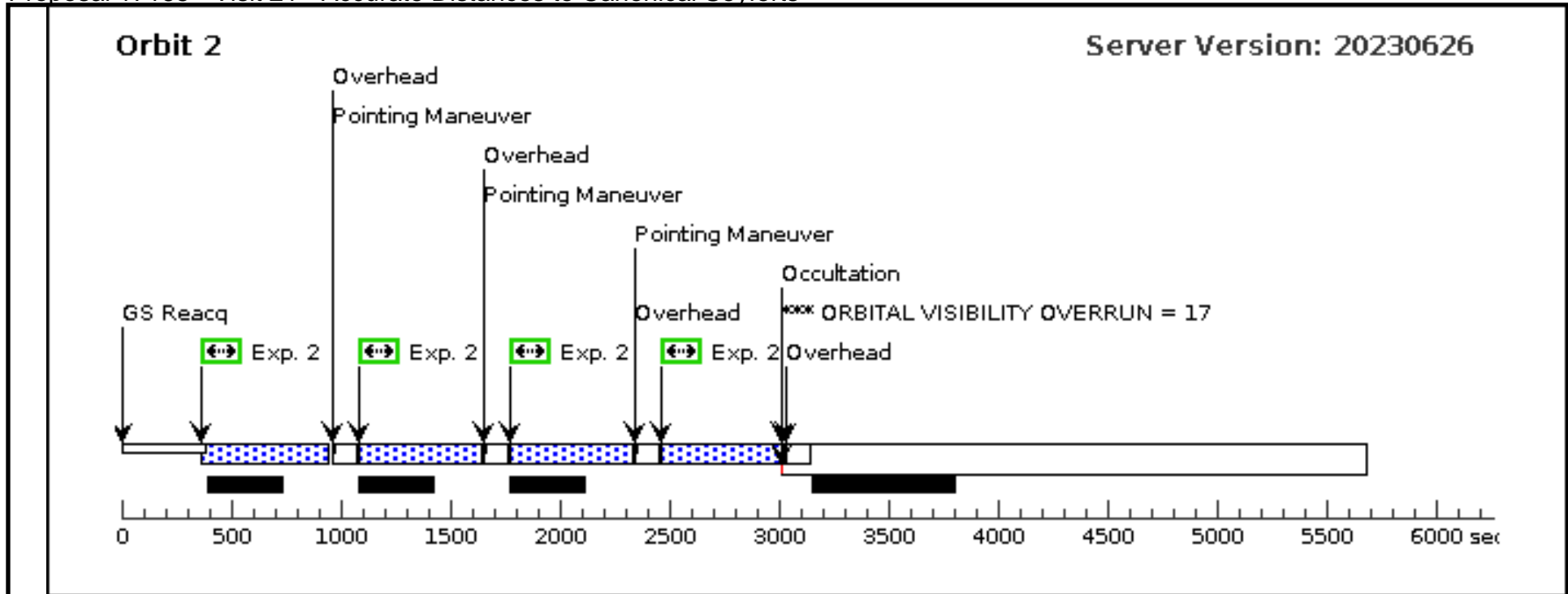
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 21, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 18; AFTER 13 BY 59.8 D TO 61.8 D										
	(Visit 21) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 21) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 21) Informational (Form): The Visit Planner and Spike may produce different schedulability results.										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=				Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=				(1), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000		Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5		V=13.43		Reference Frame: SIMBAD		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 21 (1)	550 Secs (2260 Secs)		
									[=>565.0 Secs (Pattern 1,1)]		[1]
									[=>565.0 Secs (Pattern 1,2)]		
									[=>565.0 Secs (Pattern 2,1)]		
									[=>565.0 Secs (Pattern 2,2)]		
2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		FLASH=4	Pattern 1, Exps 2-2 i n Visit 21 (1)	550 Secs (2240 Secs)			
									[=>560.0 Secs (Pattern 1,1)]		[2]
									[=>560.0 Secs (Pattern 1,2)]		
									[=>560.0 Secs (Pattern 2,1)]		
									[=>560.0 Secs (Pattern 2,2)]		

Orbit 1

Orbit Structure



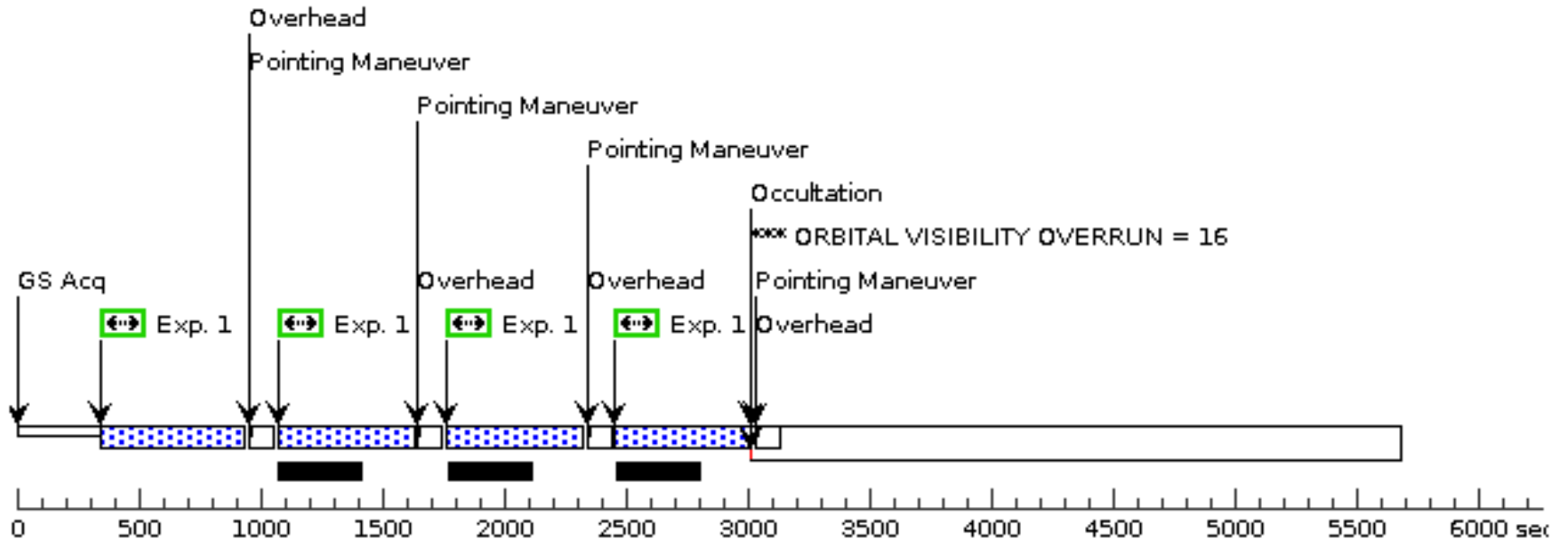


Proposal 17165 - Visit 22 - Accurate Distances to Canonical Seyferts

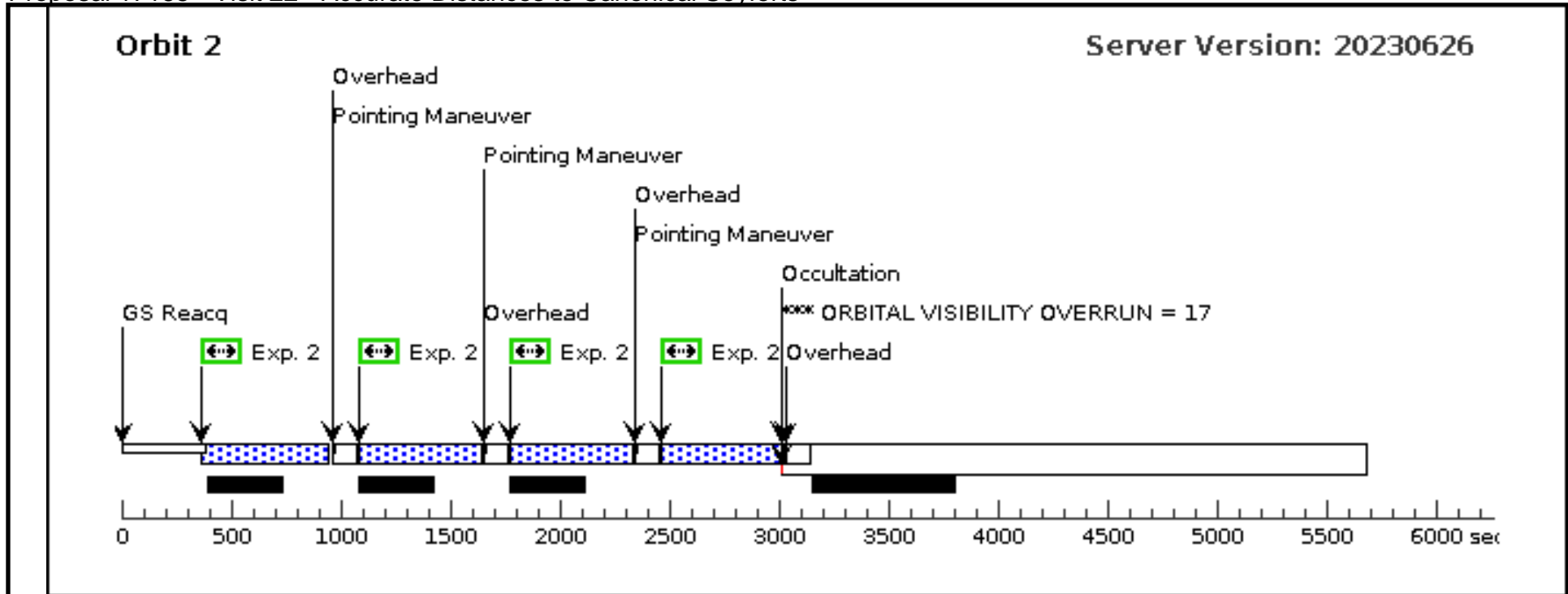
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 22, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 18; AFTER 13 BY 65 D TO 67 D									
	(Visit 22) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 22) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 22) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP				Pattern 1, Exps 1-1 i n Visit 22 (1)	550 Secs (2260 Secs) [==>565.0 Secs (Pattern 1,1)] [==>565.0 Secs (Pattern 1,2)] [==>565.0 Secs (Pattern 2,1)] [==>565.0 Secs (Pattern 2,2)]
2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		FLASH=4		Pattern 1, Exps 2-2 i n Visit 22 (1)	550 Secs (2240 Secs) [==>560.0 Secs (Pattern 1,1)] [==>560.0 Secs (Pattern 1,2)] [==>560.0 Secs (Pattern 2,1)] [==>560.0 Secs (Pattern 2,2)]	[2]

Orbit 1



Orbit Structure



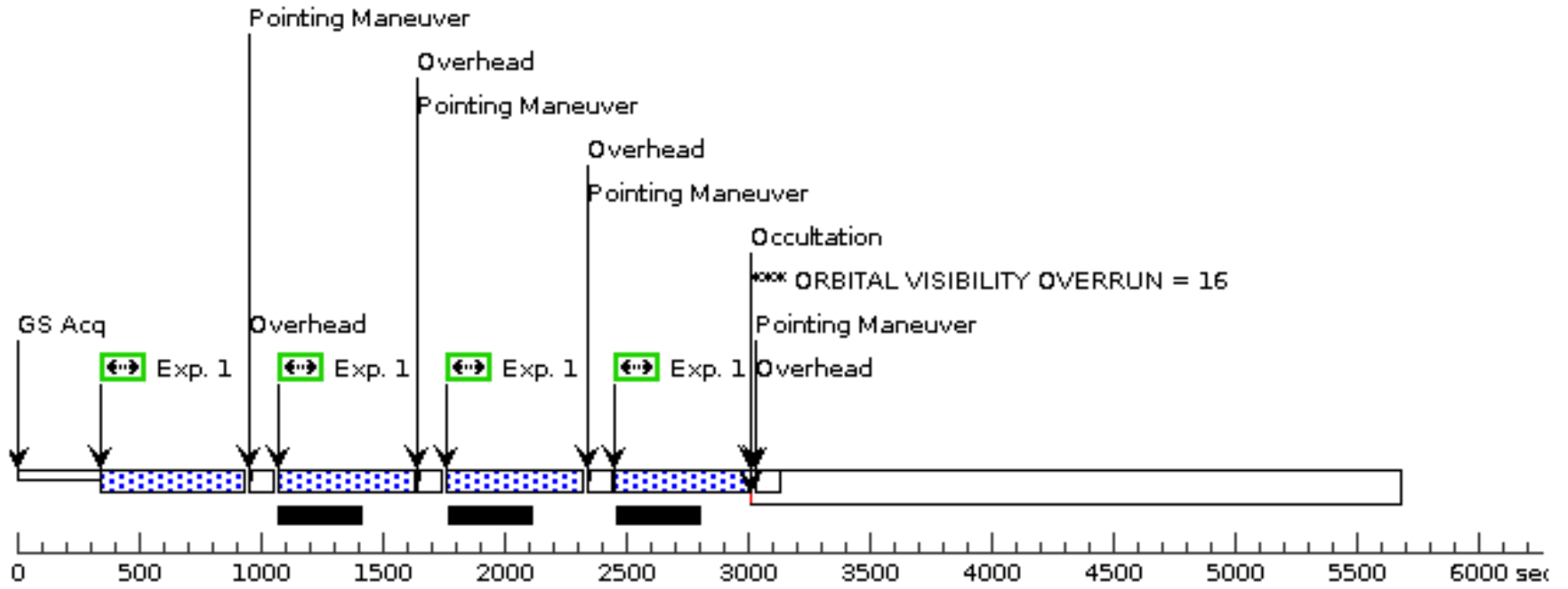
Proposal 17165 - Visit 23 - Accurate Distances to Canonical Seyferts

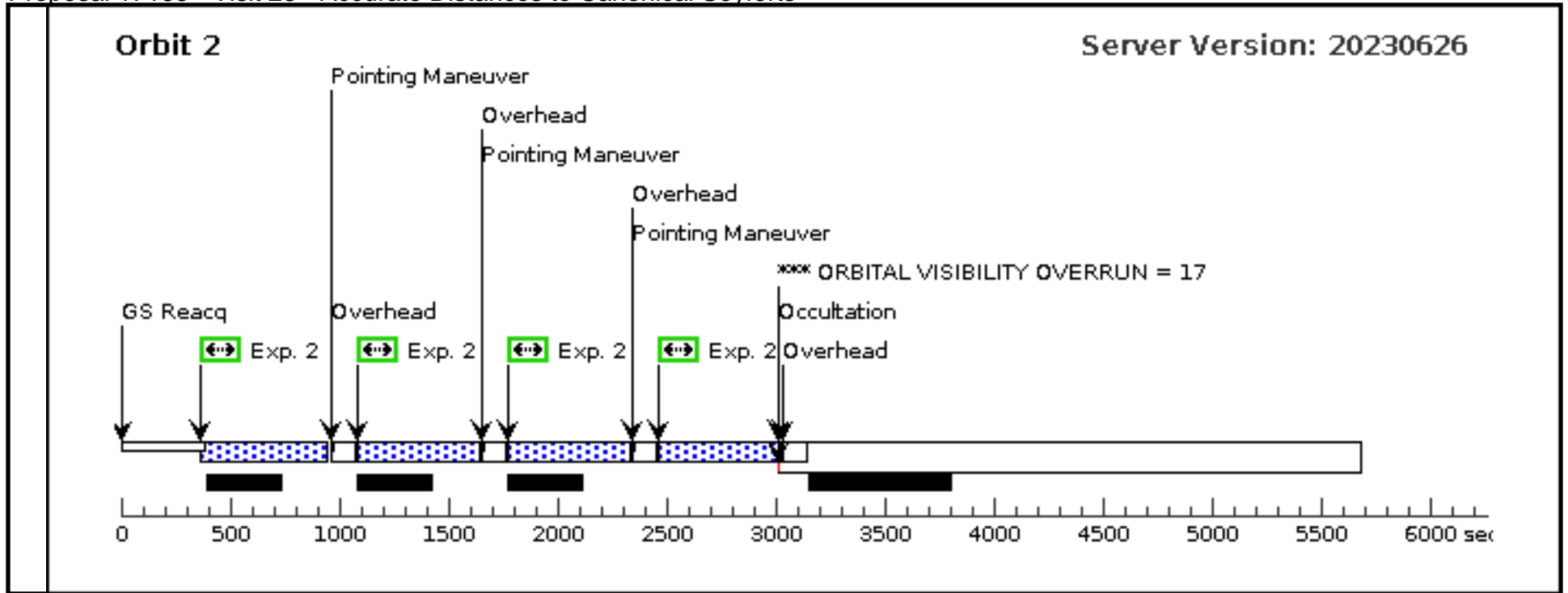
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 23, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 18; AFTER 13 BY 74.1 D TO 76.1 D									
	(Visit 23) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 23) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 23) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 23 (1)	550 Secs (2260 Secs) [==>565.0 Secs (Pattern 1,1)] [==>565.0 Secs (Pattern 1,2)] [==>565.0 Secs (Pattern 2,1)] [==>565.0 Secs (Pattern 2,2)]	[1]
2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		FLASH=4		Pattern 1, Exps 2-2 i n Visit 23 (1)	550 Secs (2240 Secs) [==>560.0 Secs (Pattern 1,1)] [==>560.0 Secs (Pattern 1,2)] [==>560.0 Secs (Pattern 2,1)] [==>560.0 Secs (Pattern 2,2)]	[2]

Orbit 1

Orbit Structure



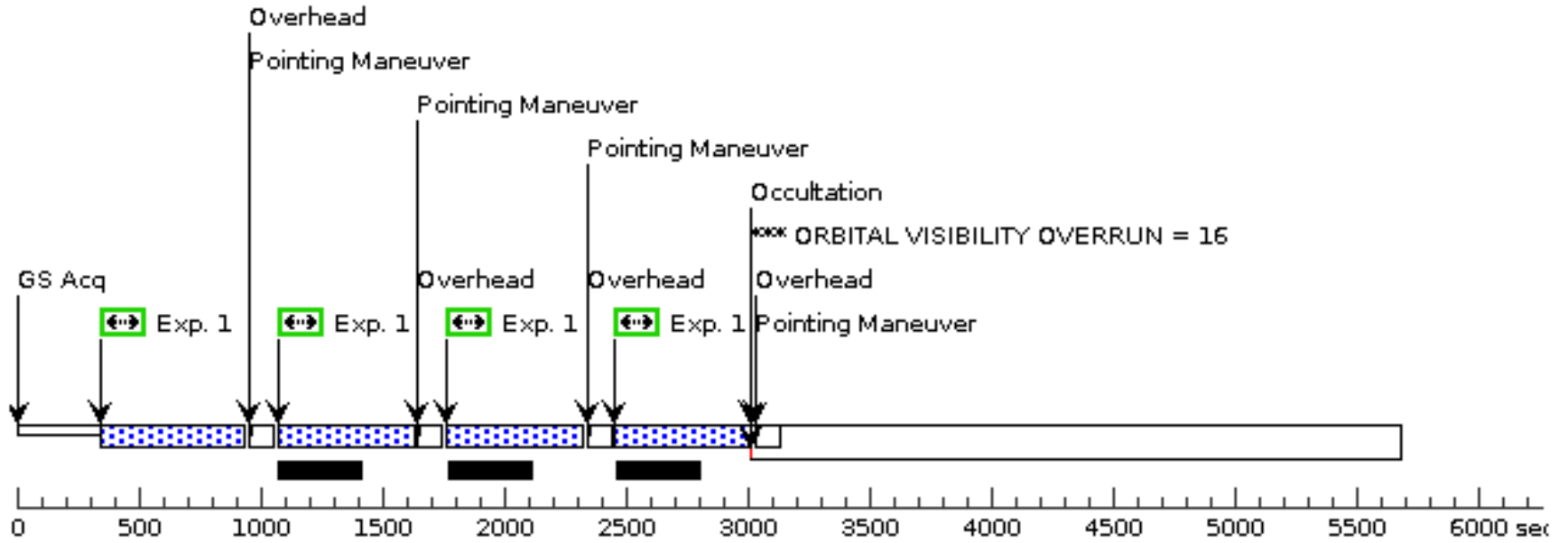


Proposal 17165 - Visit 24 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

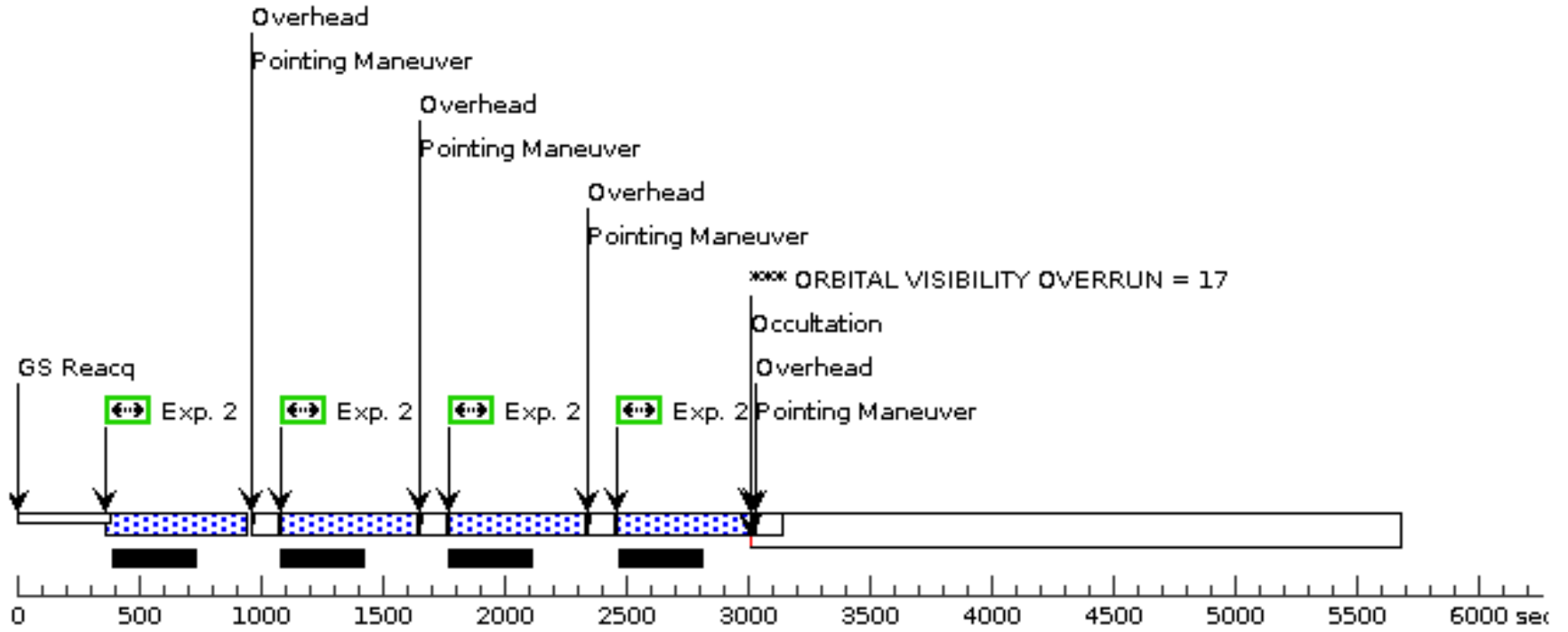
Visit	Proposal 17165, Visit 24, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; SAME ORIENT AS 18; AFTER 13 BY 81.3 D TO 84.3 D									
	(Visit 24) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 24) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 24) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 24) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2), (3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 24 (1)	550 Secs (2260 Secs) [=>565.0 Secs (Pattern 1,1)] [=>565.0 Secs (Pattern 1,2)] [=>565.0 Secs (Pattern 2,1)] [=>565.0 Secs (Pattern 2,2)]	[1]
	2	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F555W	FLASH=4		Pattern 1, Exps 2-2 i n Visit 24 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[2]
	3	(3) NGC-3783	(3) NGC-3783	WFC3/UVIS, ACCUM, UVIS-FIX	F814W	FLASH=4		Pattern 1, Exps 3-3 i n Visit 24 (1)	550 Secs (2240 Secs) [=>560.0 Secs (Pattern 1,1)] [=>560.0 Secs (Pattern 1,2)] [=>560.0 Secs (Pattern 2,1)] [=>560.0 Secs (Pattern 2,2)]	[3]

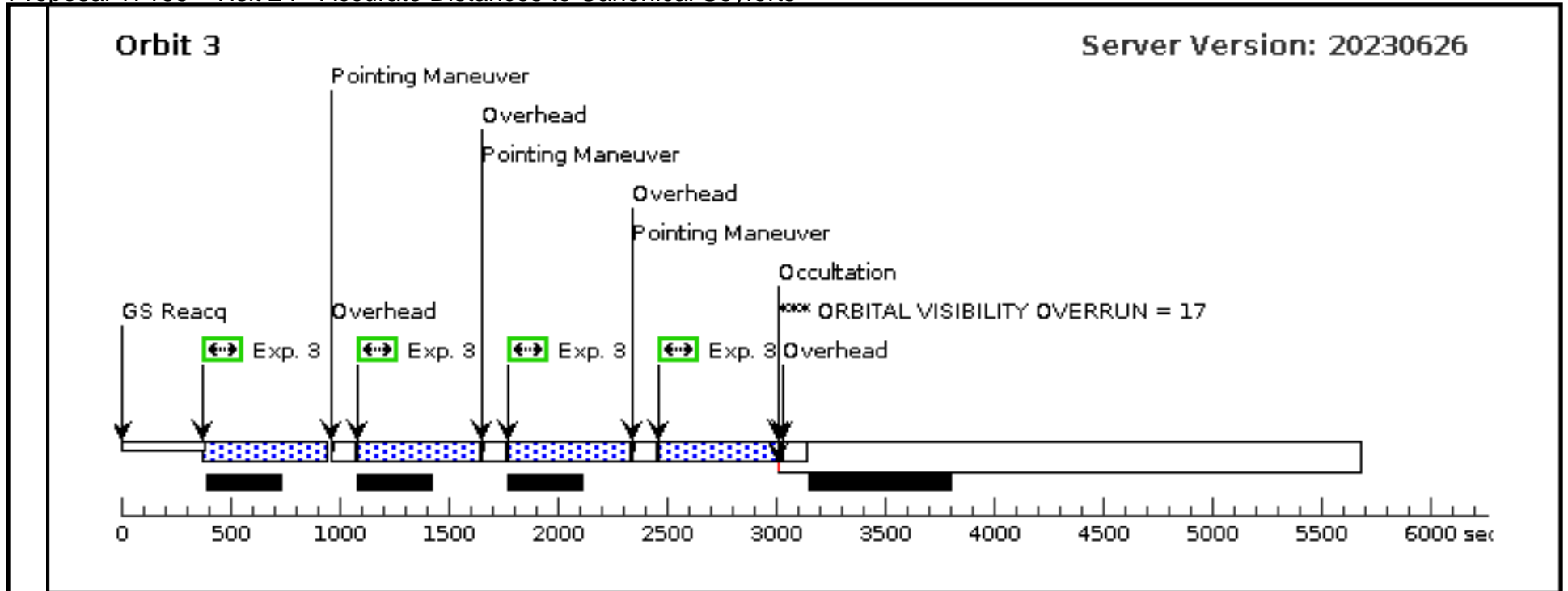
Orbit 1



Orbit Structure

Orbit 2





Proposal 17165 - Visit 2X - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

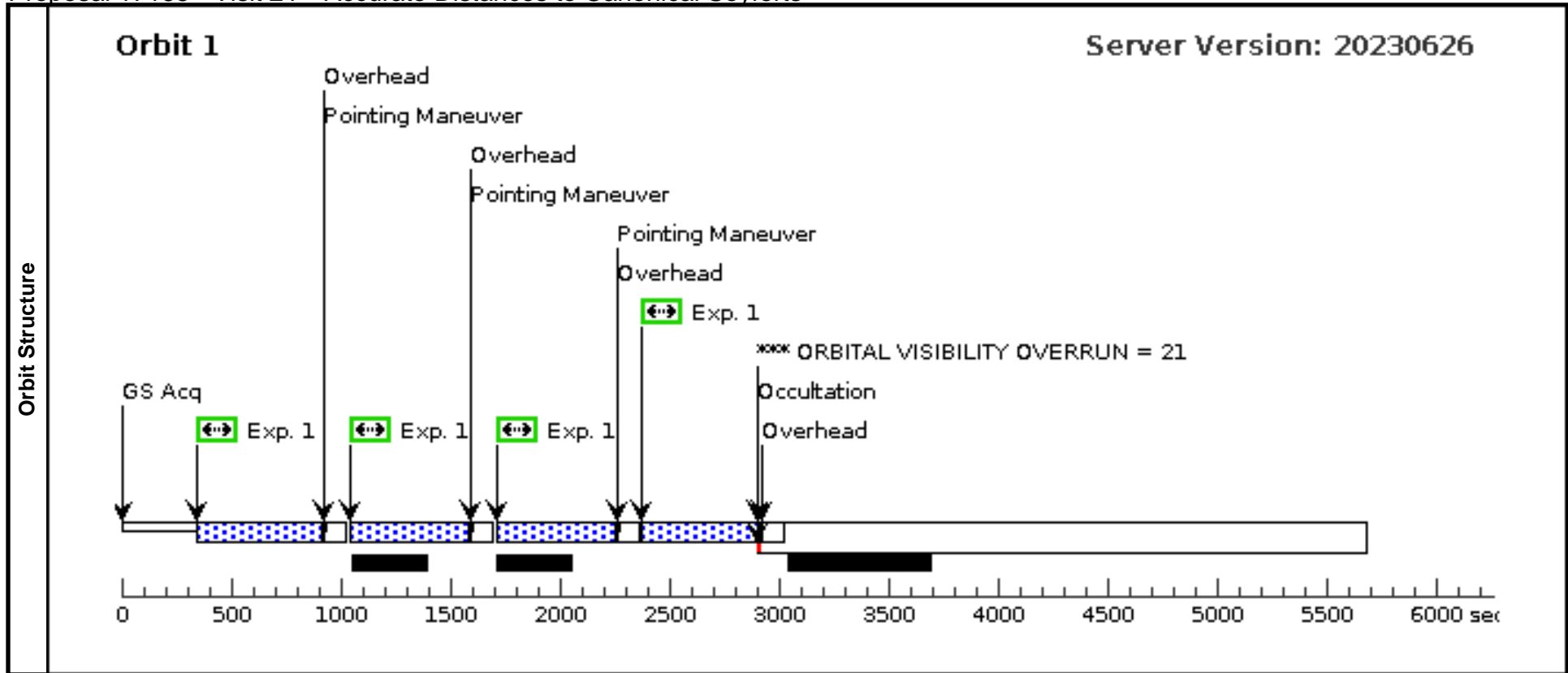
Visit	Proposal 17165, Visit 2X, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%; AFTER 24 BY 30 D TO 40 D									
	(Visit 2X) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=			(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783		WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 i n Visit 2X (1)	550 Secs (2260 Secs) [==>565.0 Secs (Pattern 1,1)] [==>565.0 Secs (Pattern 1,2)] [==>565.0 Secs (Pattern 2,1)] [==>565.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 2Y - Accurate Distances to Canonical Seyferts

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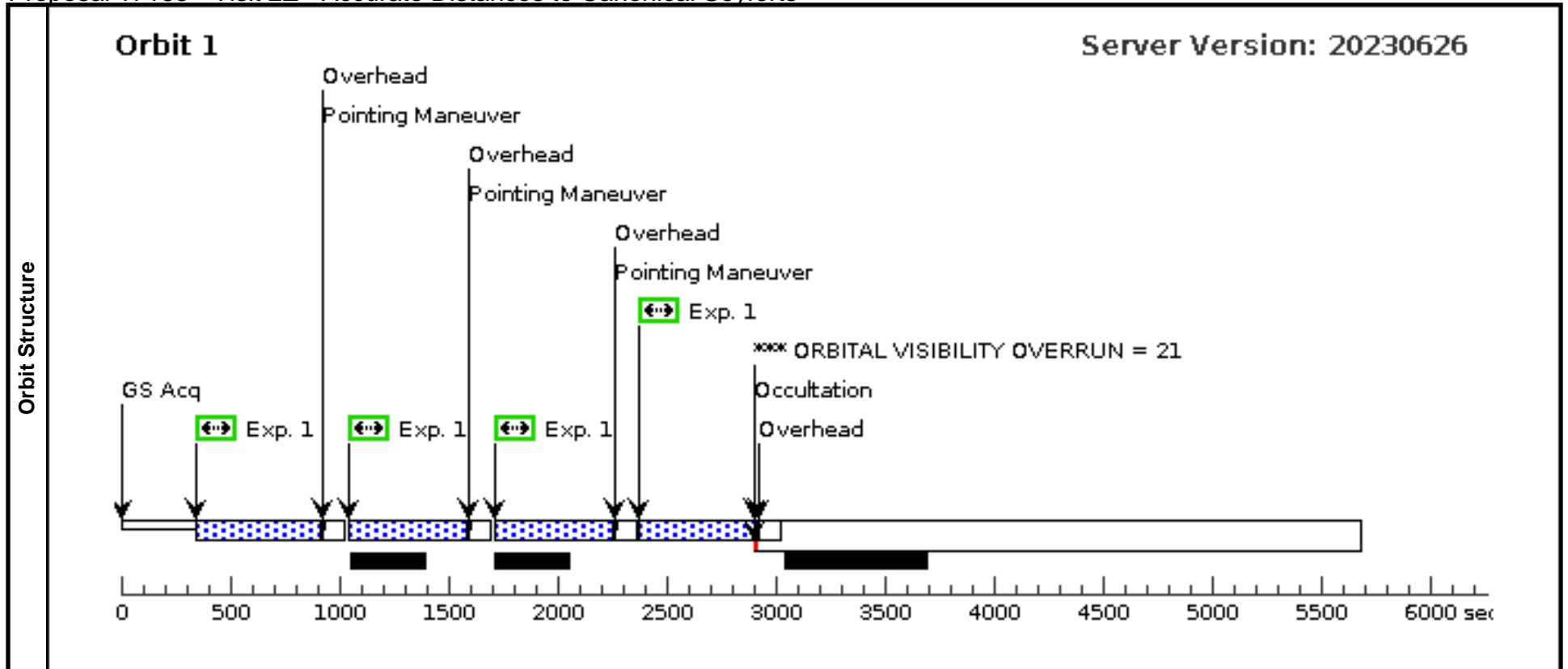
Visit	Proposal 17165, Visit 2Y, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 2X; BEFORE 01-SEP-2023:00:00:00 <i>Comments: repeat of failed orbit earlier in the sequence</i>									
	Diagnosics (Visit 2Y) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783		WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 in Visit 2Y (1)	550 Secs (2152 Secs) [==>538.0 Secs (Pattern 1,1)] [==>538.0 Secs (Pattern 1,2)] [==>538.0 Secs (Pattern 2,1)] [==>538.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 2Z - Accurate Distances to Canonical Seyferts

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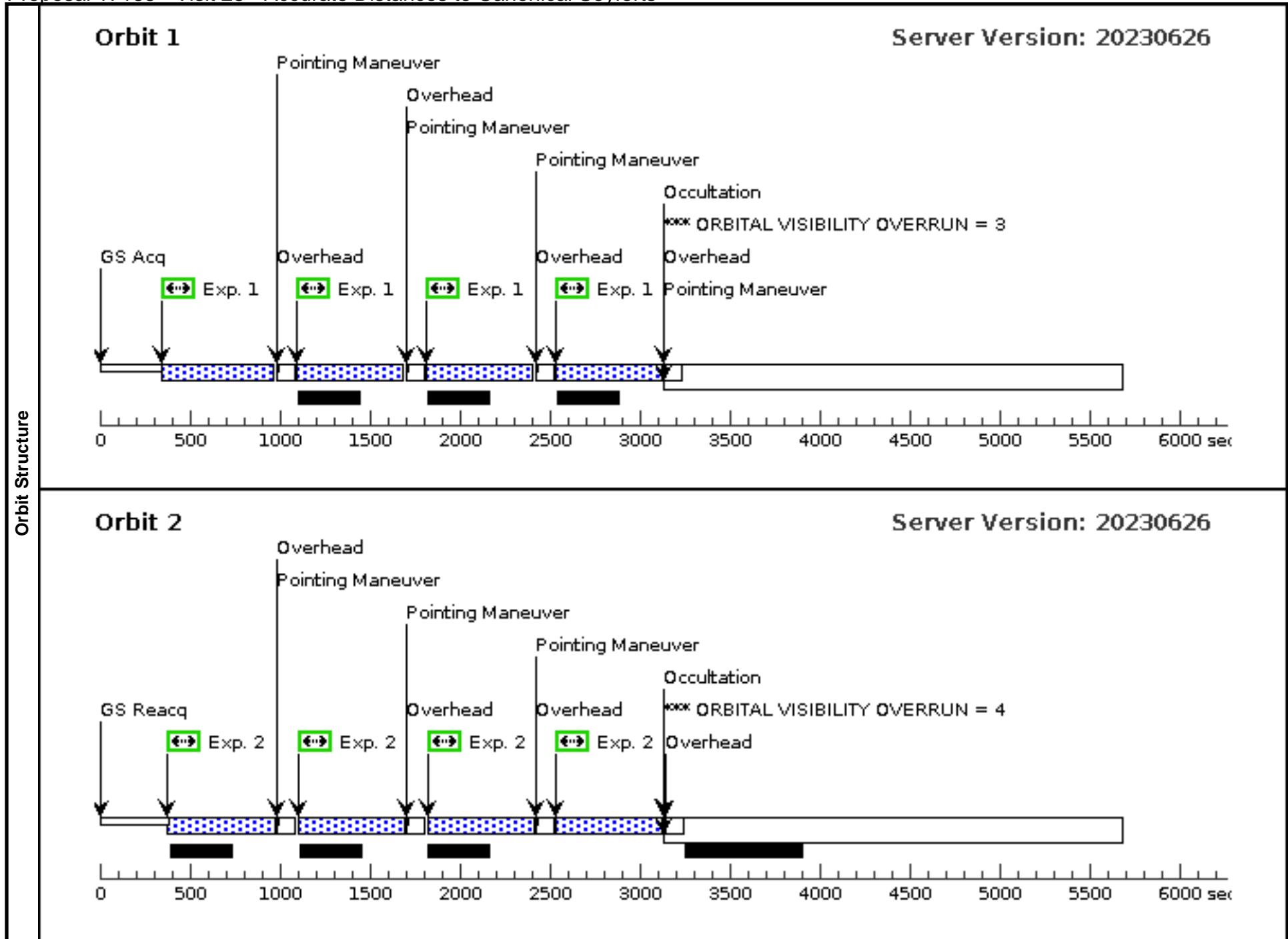
Visit	Proposal 17165, Visit 2Z, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BEFORE 01-SEP-2023:00:00:00 <i>Comments: repeat of failed orbit earlier in the sequence</i>									
	Diagnosics (Visit 2Z) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-3783	RA: 11 39 1.7098 (174.7571242d) Dec: -37 44 19.01 (-37.73861d) Equinox: J2000	Proper Motion RA: 1.5933006259863557E-5 sec of time/yr Proper Motion Dec: -2.7599994609772693E-4 arcsec/yr Epoch of Position: 2015.5	V=13.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-3783		WFC3/UVIS, ACCUM, UVIS-FIX	F350LP			Pattern 1, Exps 1-1 in Visit 2Z (1)	550 Secs (2152 Secs) [==>538.0 Secs (Pattern 1,1)] [==>538.0 Secs (Pattern 1,2)] [==>538.0 Secs (Pattern 2,1)] [==>538.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 25 - Accurate Distances to Canonical Seyferts

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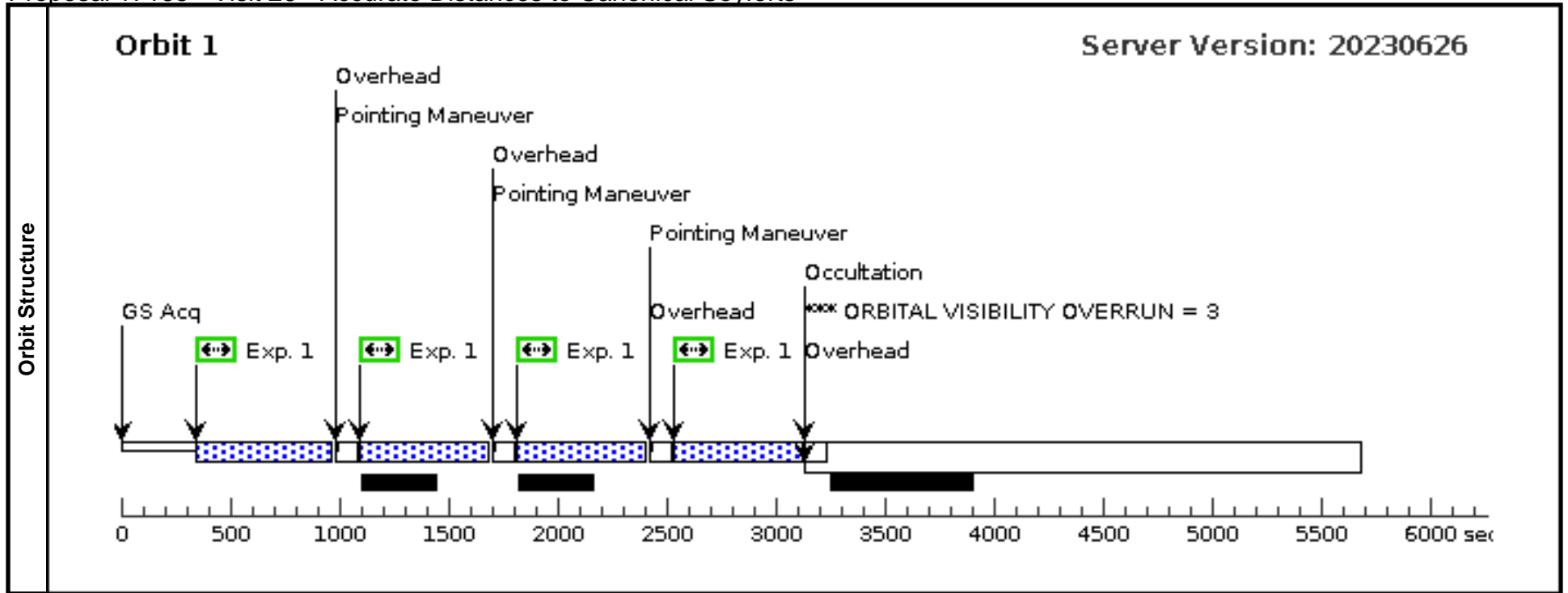
Visit	Proposal 17165, Visit 25, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 25) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 25) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 25)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 25)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W				Pattern 1, Exps 1-1 i n Visit 25 (1)	550 Secs (2364 Secs)	
									[==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]
	2	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F814W				Pattern 1, Exps 2-2 i n Visit 25 (1)	550 Secs (2356 Secs)	
								[==>589.0 Secs (Pattern 1,1)] [==>589.0 Secs (Pattern 1,2)] [==>589.0 Secs (Pattern 2,1)] [==>589.0 Secs (Pattern 2,2)]	[2]	



Proposal 17165 - Visit 26 - Accurate Distances to Canonical Seyferts

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Visit	Proposal 17165, Visit 26, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25: AFTER 25 BY 10 D TO 12 D									
	Diagnosics (Visit 26) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 26)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 26) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 26 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



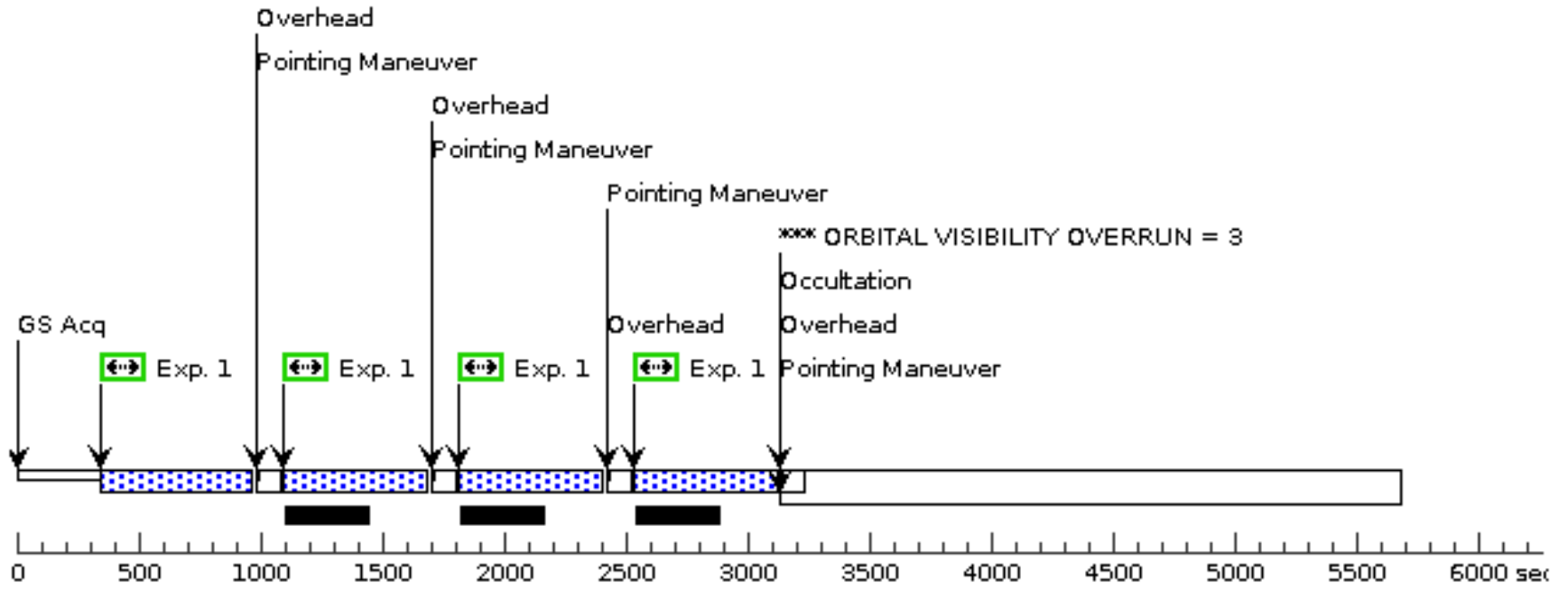
Proposal 17165 - Visit 27 - Accurate Distances to Canonical Seyferts

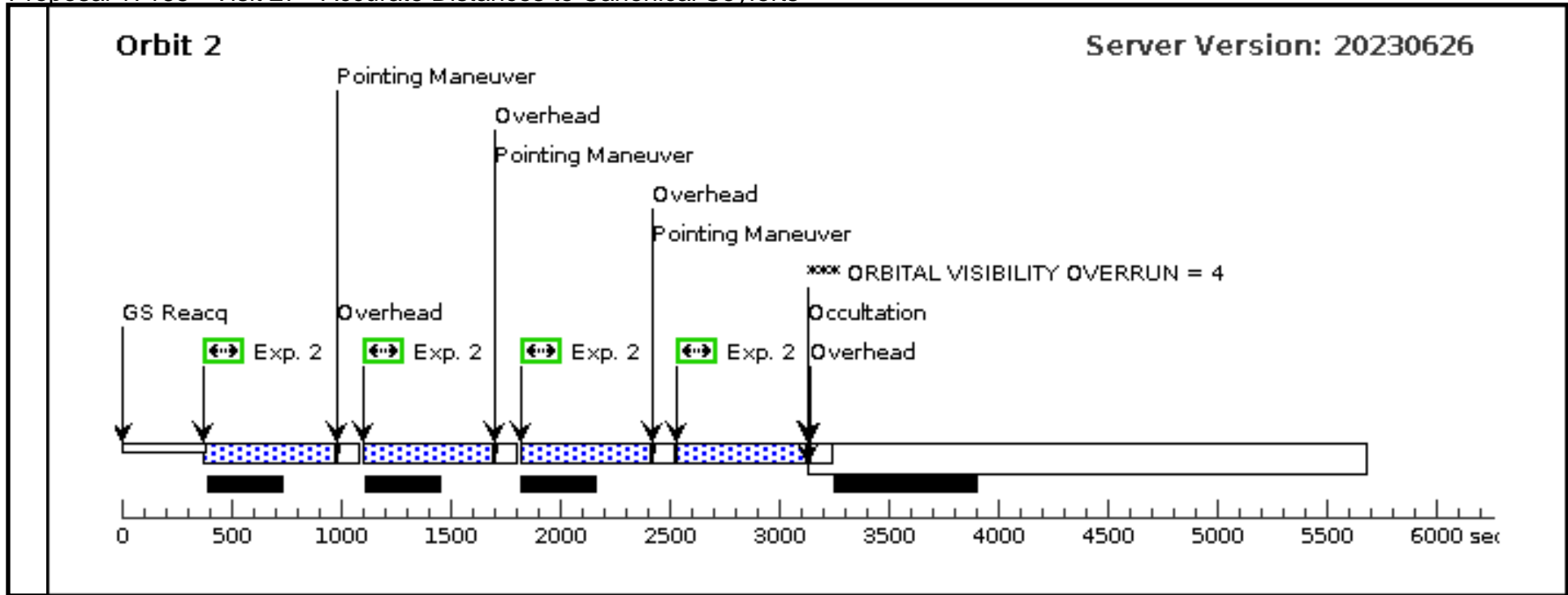
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 27, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25: AFTER 25 BY 16.6 D TO 18.6 D									
	(Visit 27) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 27) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 27)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 27)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 27) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 27 (1)	550 Secs (2364 Secs)	
									[==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]
	2	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Pattern 1, Exps 2-2 i n Visit 27 (1)	550 Secs (2356 Secs)	
								[==>589.0 Secs (Pattern 1,1)] [==>589.0 Secs (Pattern 1,2)] [==>589.0 Secs (Pattern 2,1)] [==>589.0 Secs (Pattern 2,2)]	[2]	

Orbit 1

Orbit Structure

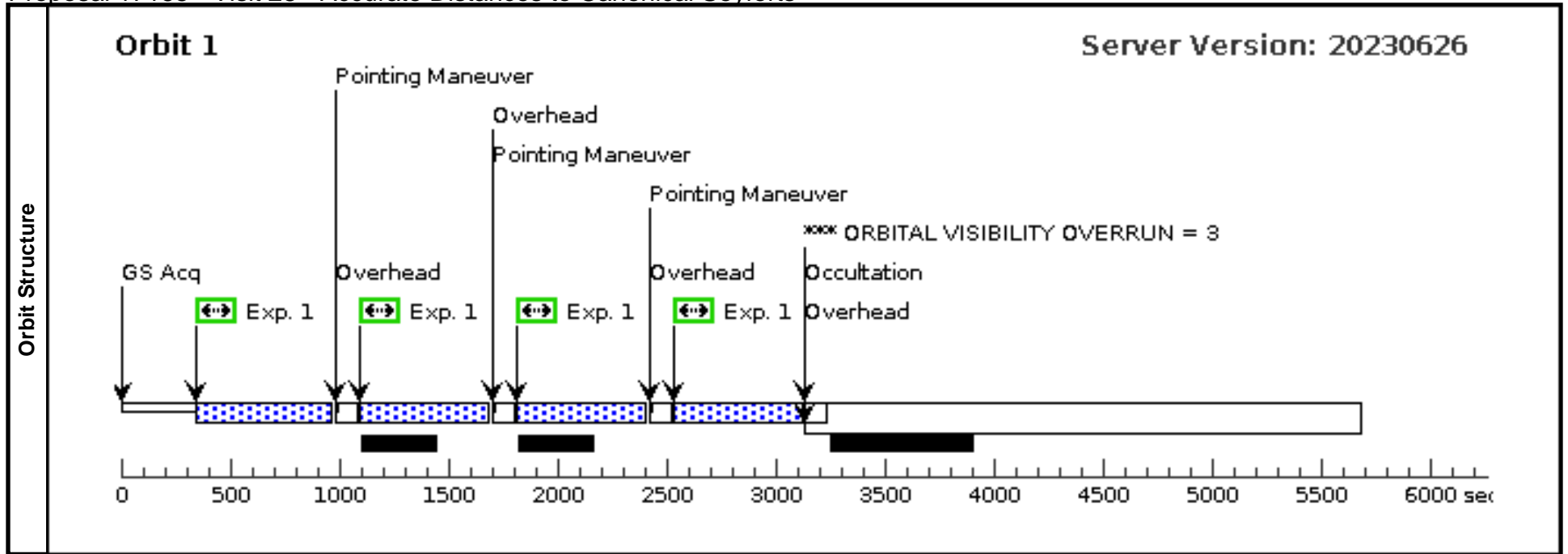




Proposal 17165 - Visit 28 - Accurate Distances to Canonical Seyferts

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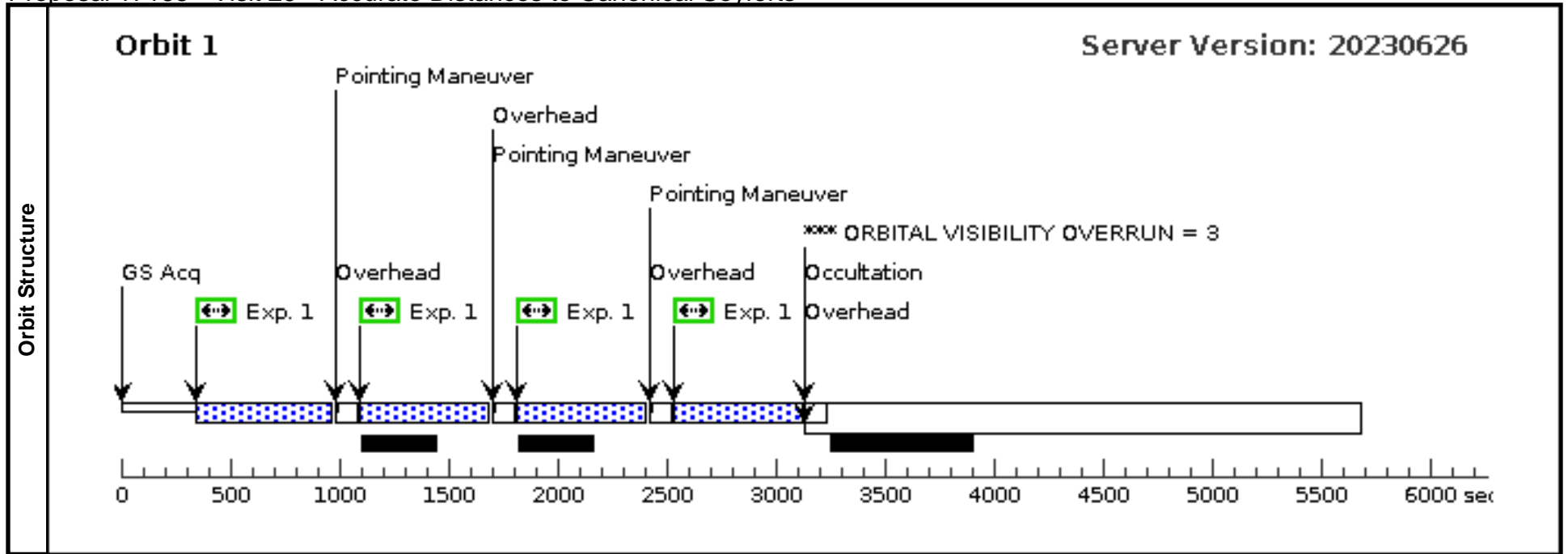
Visit	Proposal 17165, Visit 28, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25; AFTER 25 BY 21 D TO 23 D									
	(Visit 28) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 28)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 28) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=			(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303		WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 28 (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 29 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

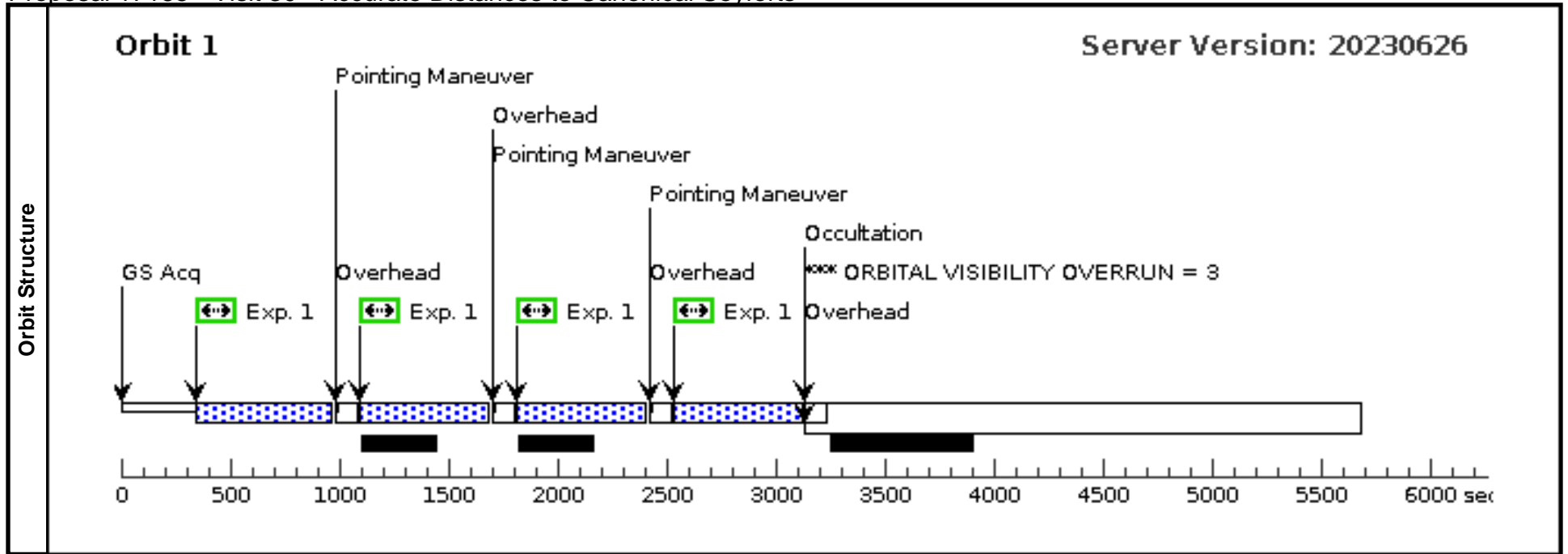
Visit	Proposal 17165, Visit 29, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25; AFTER 25 BY 25.1 D TO 27.1 D									
	(Visit 29) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 29)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 29) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 29 (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 30 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 30, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25; AFTER 25 BY 27.8 D TO 29.8 D									
	(Visit 30) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 30)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 30) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303		WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 30 (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]



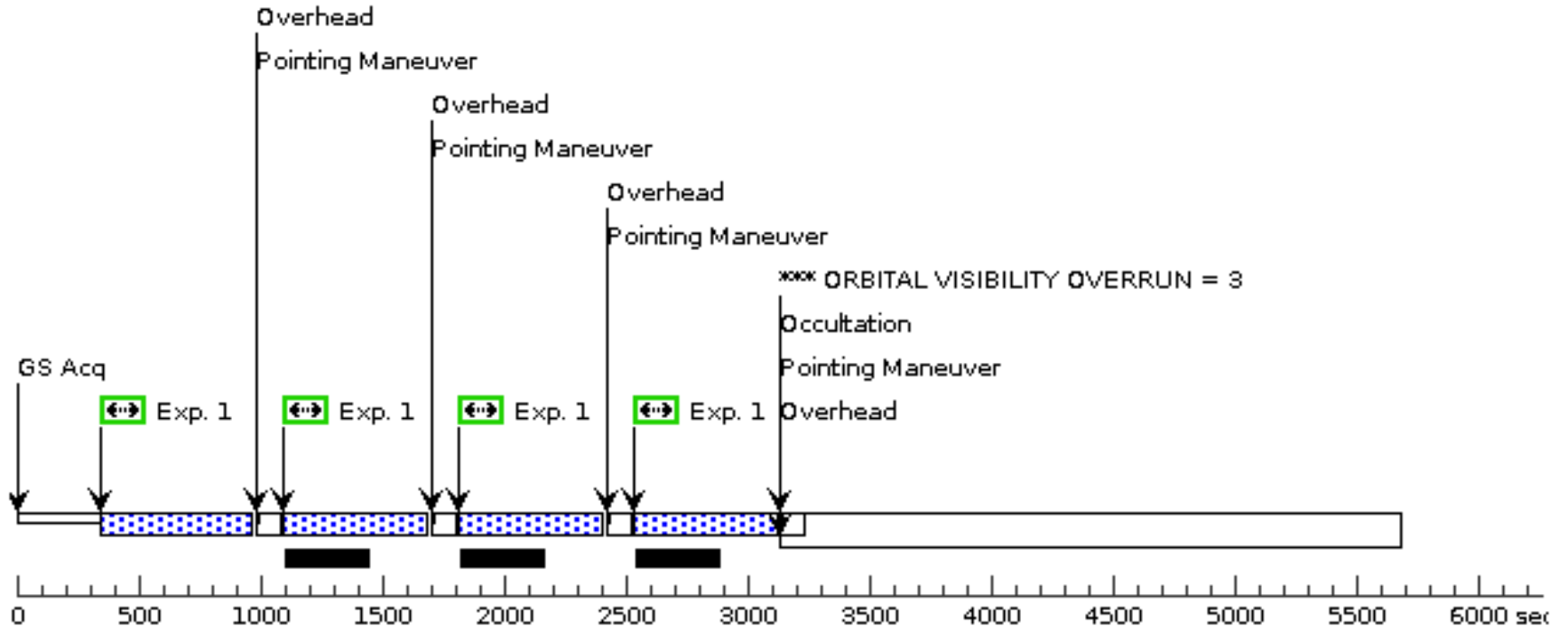
Proposal 17165 - Visit 31 - Accurate Distances to Canonical Seyferts

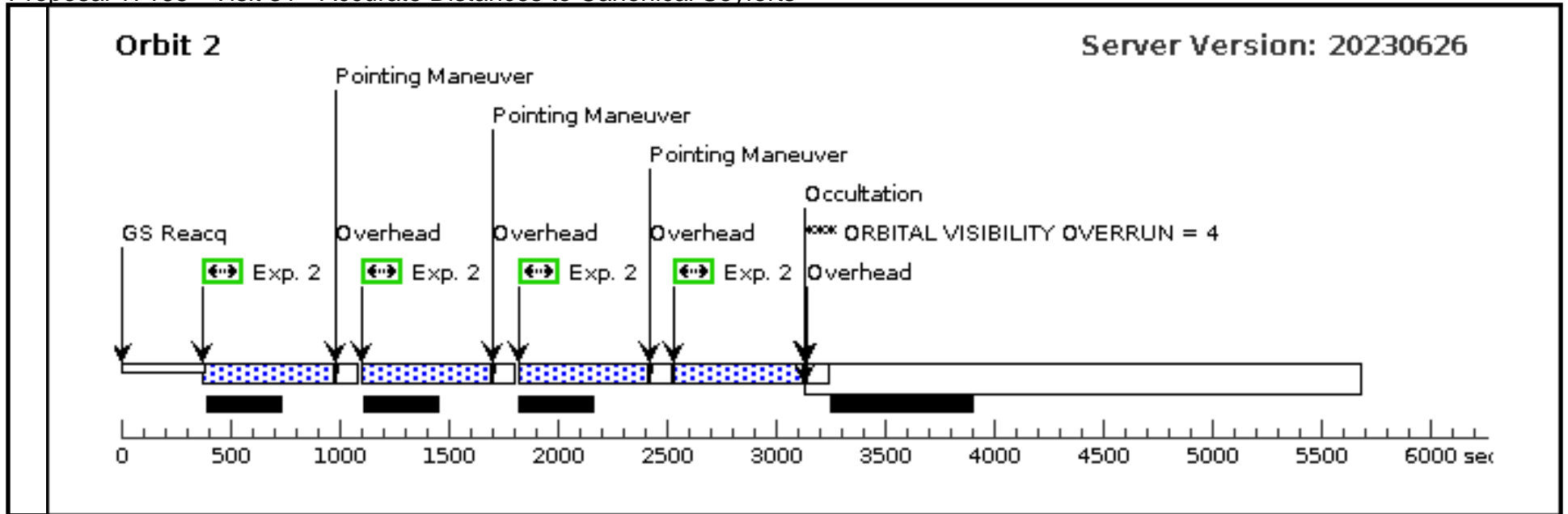
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 31, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25; AFTER 25 BY 29.8 D TO 31.8 D									
	(Visit 31) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 31) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 31)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 31)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 31) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 31 (1)	550 Secs (2364 Secs)	
	[=>>591.0 Secs (Pattern 1,1)] [=>>591.0 Secs (Pattern 1,2)] [=>>591.0 Secs (Pattern 2,1)] [=>>591.0 Secs (Pattern 2,2)]									[1]
	2	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Pattern 1, Exps 2-2 i n Visit 31 (1)	550 Secs (2356 Secs)	
[=>>589.0 Secs (Pattern 1,1)] [=>>589.0 Secs (Pattern 1,2)] [=>>589.0 Secs (Pattern 2,1)] [=>>589.0 Secs (Pattern 2,2)]									[2]	

Orbit 1

Orbit Structure

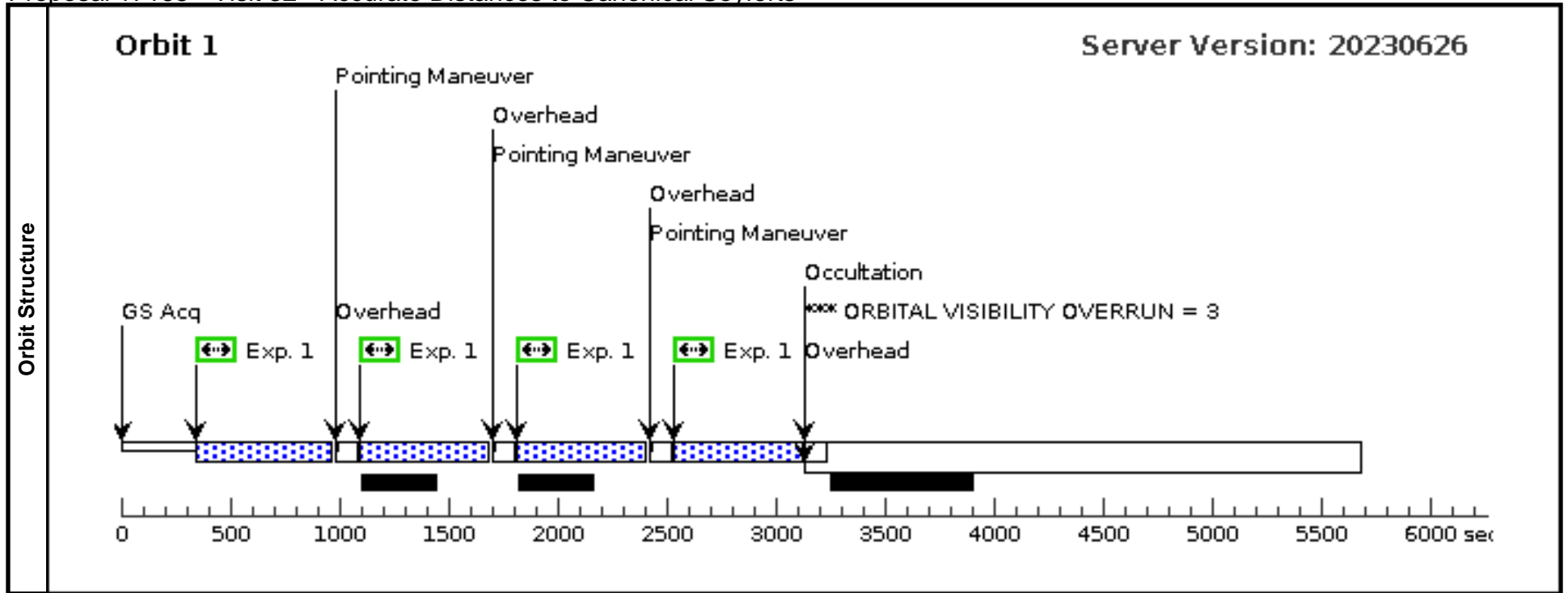




Proposal 17165 - Visit 32 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

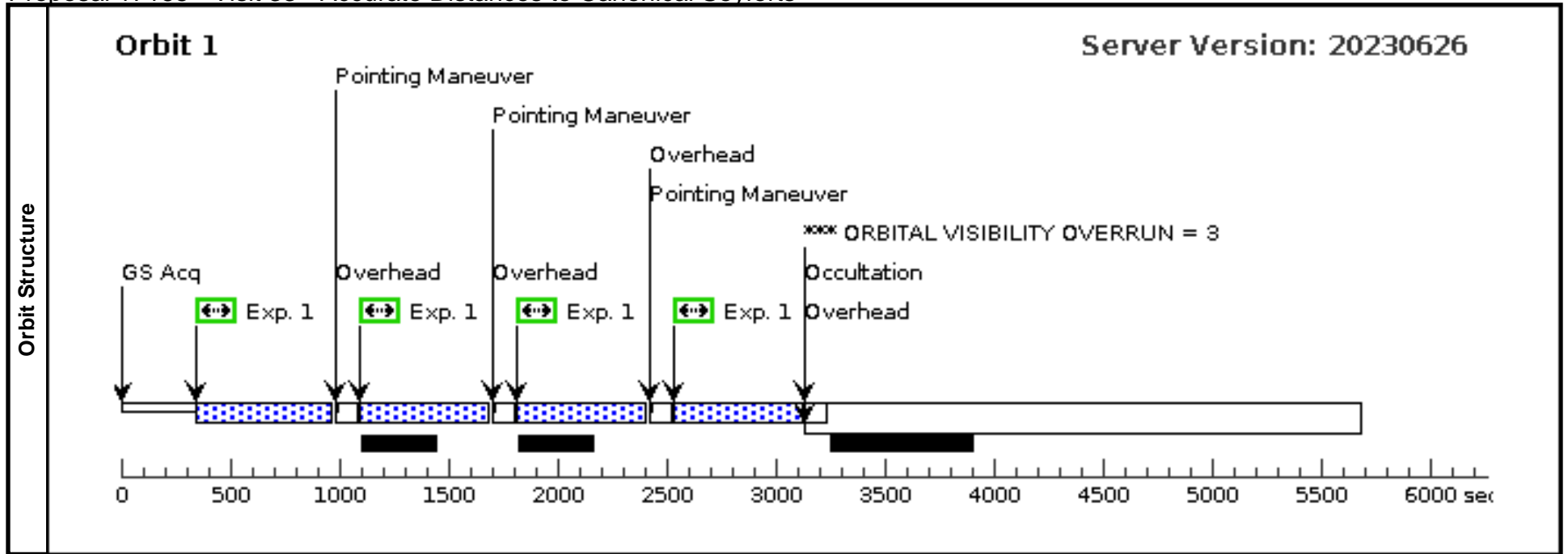
Visit	Proposal 17165, Visit 32, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25; AFTER 25 BY 32.1 D TO 34.1 D									
	(Visit 32) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 32)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 32) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=			(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303		WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 32 (1)	550 Secs (2364 Secs) [=>591.0 Secs (Pattern 1,1)] [=>591.0 Secs (Pattern 1,2)] [=>591.0 Secs (Pattern 2,1)] [=>591.0 Secs (Pattern 2,2)]	[1]



Proposal 17165 - Visit 33 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 33, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25; AFTER 25 BY 39.4 D TO 41.4 D									
	(Visit 33) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 33)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 33) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 33 (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]

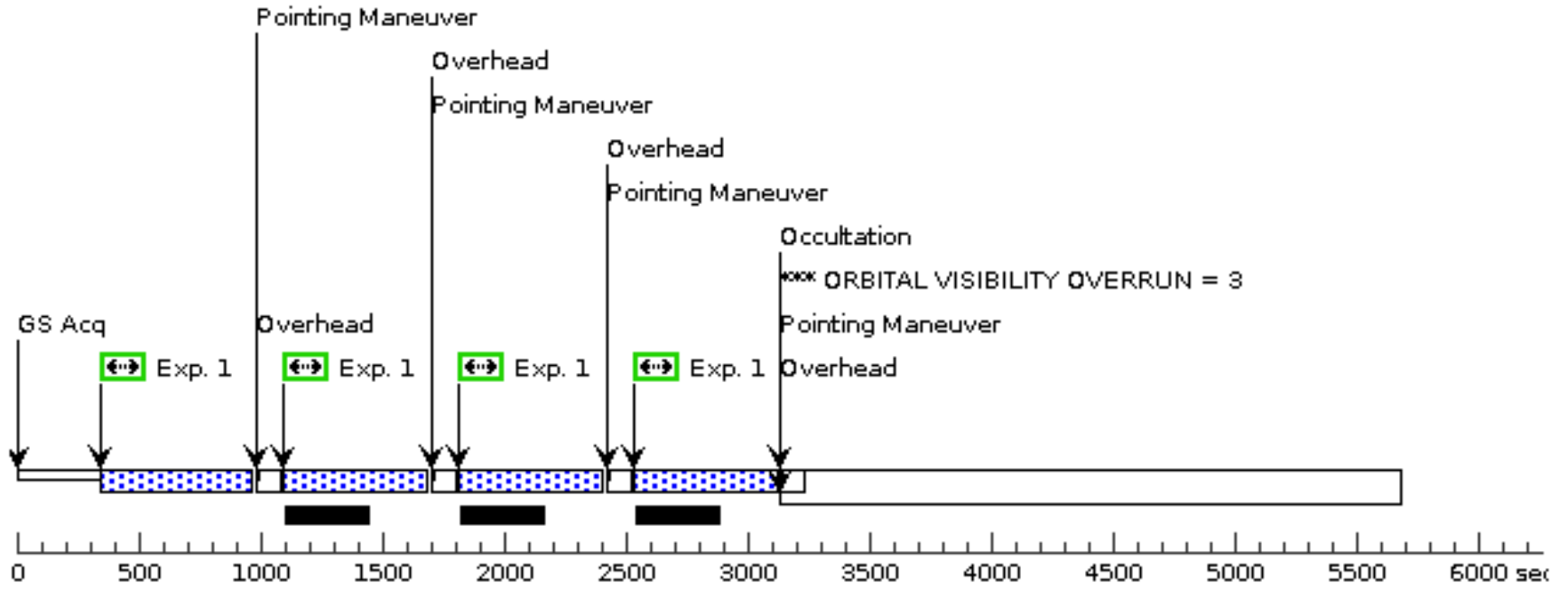


Proposal 17165 - Visit 34 - Accurate Distances to Canonical Seyferts

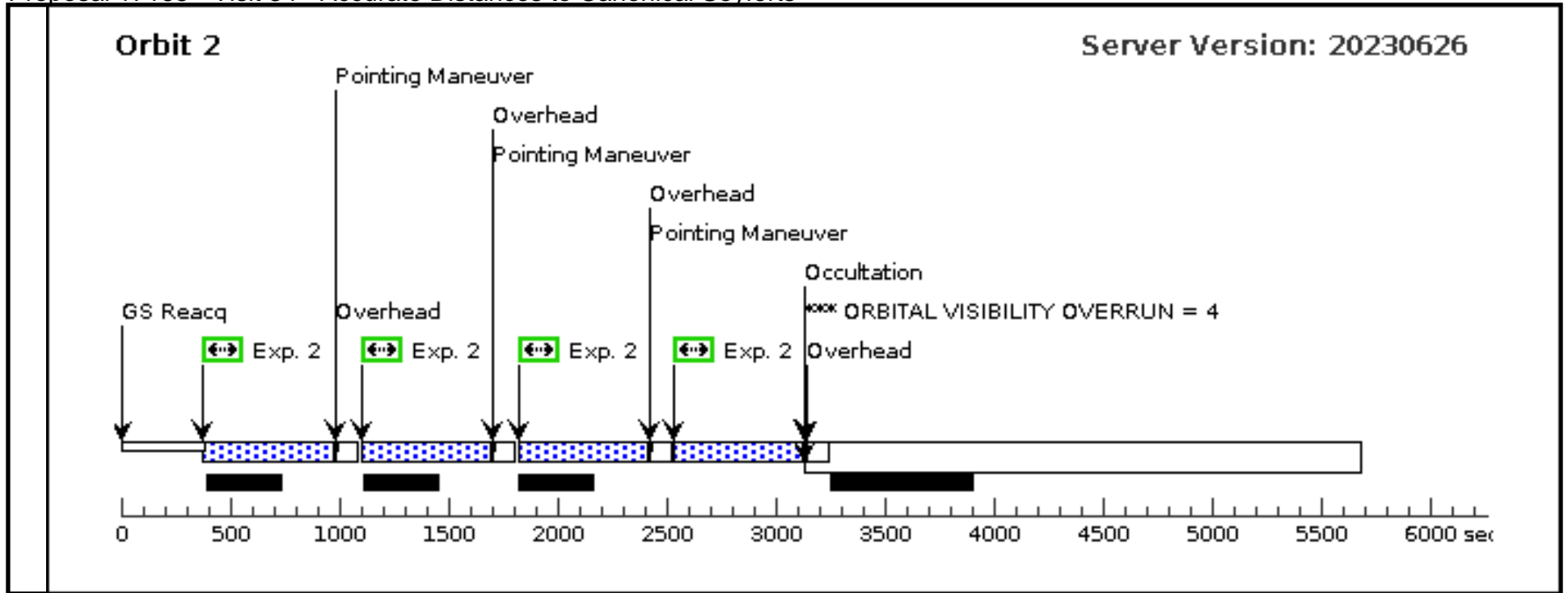
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 34, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25: AFTER 25 BY 44.2 D TO 46.2 D									
	(Visit 34) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 34) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 34)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 34)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 34) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 i n Visit 34 (1)	550 Secs (2364 Secs)	
	[==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]									[1]
	2	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Pattern 1, Exps 2-2 i n Visit 34 (1)	550 Secs (2356 Secs)	
[==>589.0 Secs (Pattern 1,1)] [==>589.0 Secs (Pattern 1,2)] [==>589.0 Secs (Pattern 2,1)] [==>589.0 Secs (Pattern 2,2)]									[2]	

Orbit 1



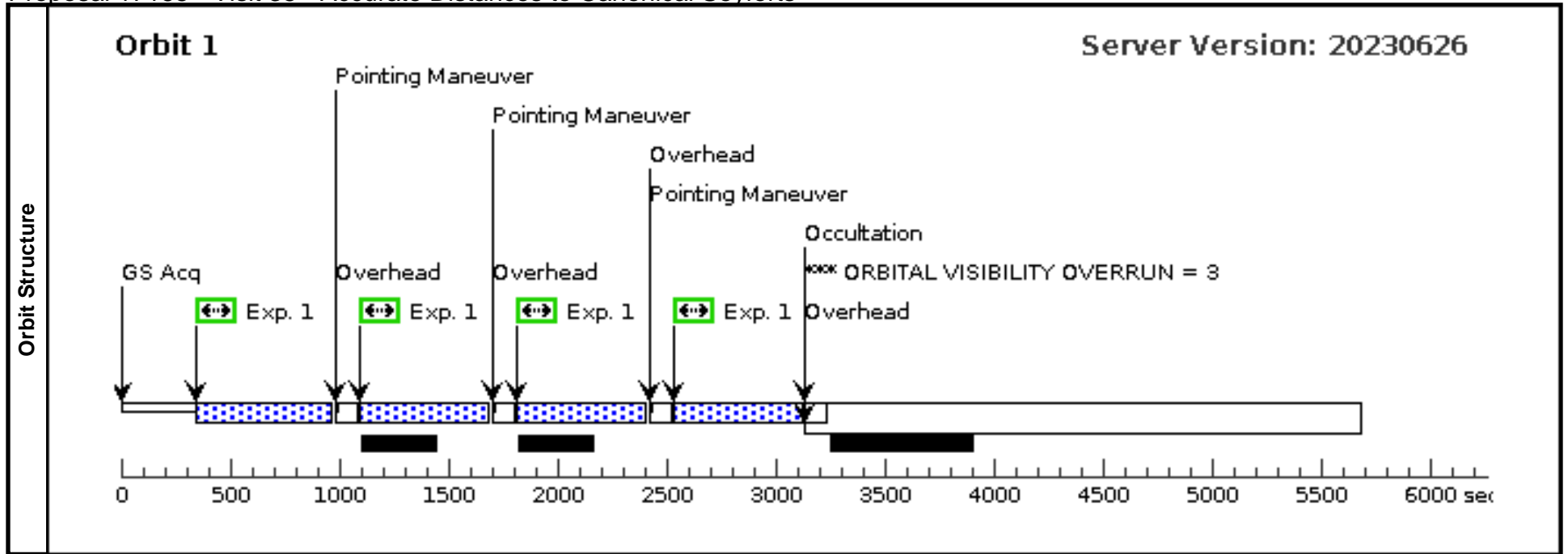
Orbit Structure



Proposal 17165 - Visit 35 - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 35, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 25; AFTER 25 BY 51.5 D TO 53.5 D									
	(Visit 35) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 35)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 35) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Visit 35 (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]



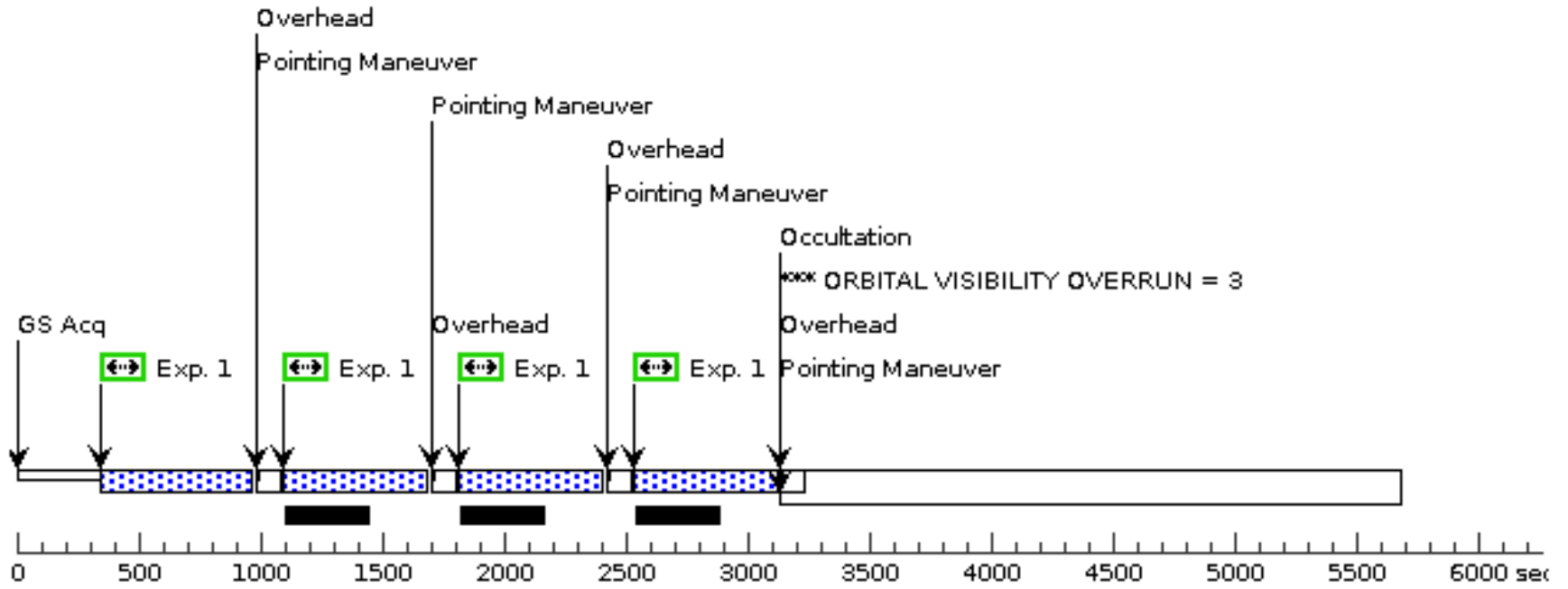
Proposal 17165 - Visit 36 - Accurate Distances to Canonical Seyferts

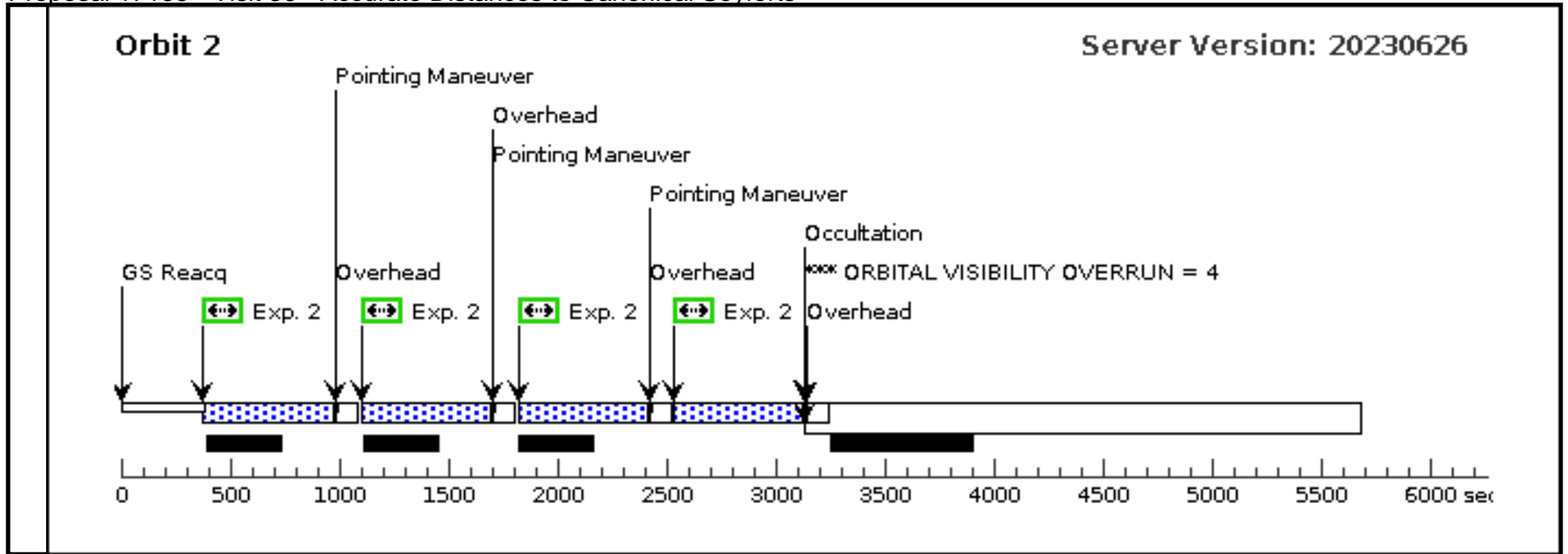
Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Visit 36, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 134D TO 135 D; BETWEEN 2023.170:00:00 AND 2023.171:16:00									
	(Visit 36) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 36) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Visit 36)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 1, Exps 2-2 in Visit 36)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=MOSAIC Pattern Orientation=85.759 Number Of Points=2 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=	(1), (2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes					
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65 Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT, SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W				Pattern 1, Exps 1-1 i n Visit 36 (1)	550 Secs (2364 Secs)	
									[==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]
	2	(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F814W				Pattern 1, Exps 2-2 i n Visit 36 (1)	550 Secs (2356 Secs)	
								[==>589.0 Secs (Pattern 1,1)] [==>589.0 Secs (Pattern 1,2)] [==>589.0 Secs (Pattern 2,1)] [==>589.0 Secs (Pattern 2,2)]	[2]	

Orbit 1

Orbit Structure





Proposal 17165 - Repeat of visit 25 (37) - Accurate Distances to Canonical Seyferts

Mon Jan 29 20:01:07 GMT 2024

Visit	Proposal 17165, Repeat of visit 25 (37), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: This is a repeat of failed visit 25 and will execute after visit 36 by 10-12 days to emulate the spacing between visits 25 and 26 as originally scheduled.</i>									
	Diagnosics (Repeat of visit 25 (37)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 1, Exps 1-1 in Repeat of visit 25 (37))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-4303	RA: 12 21 54.9280 (185.4788667d) Dec: +04 28 25.60 (4.47378d) Equinox: J2000	Proper Motion RA: 3.403703950182231E-5 sec of time/yr Proper Motion Dec: 6.540000000000001E-4 arcsec/yr Epoch of Position: 2015.5	V=9.65	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT, SPIRAL]</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) NGC-4303	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Pattern 1, Exps 1-1 in Repeat of visit 25 (37) (1)	550 Secs (2364 Secs) [==>591.0 Secs (Pattern 1,1)] [==>591.0 Secs (Pattern 1,2)] [==>591.0 Secs (Pattern 2,1)] [==>591.0 Secs (Pattern 2,2)]	[1]

