



17535 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Disk Galaxies

Cycle: 31, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Prof. Sylvain Veilleux (PI) (Contact)	University of Maryland
Dr. Edmund Hodges-Kluck (CoI)	NASA Goddard Space Flight Center

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) M-82-SOUTH-CONE	WFC3/UVIS	2	08-Apr-2026 13:00:14.0	yes
02	(2) NGC-253	WFC3/UVIS	2	08-Apr-2026 13:00:14.0	yes
03	(3) NGC-891	WFC3/UVIS	5	08-Apr-2026 13:00:15.0	yes
04	(4) NGC-1482	WFC3/UVIS	5	08-Apr-2026 13:00:16.0	yes
05	(5) NGC-1569	WFC3/UVIS	5	08-Apr-2026 13:00:17.0	yes
55	(5) NGC-1569	WFC3/UVIS	5	08-Apr-2026 13:00:18.0	yes
60	(5) NGC-1569	WFC3/UVIS	4	08-Apr-2026 13:00:19.0	yes
62	(5) NGC-1569	WFC3/UVIS	3	08-Apr-2026 13:00:19.0	yes
63	(5) NGC-1569	WFC3/UVIS	1	08-Apr-2026 13:00:20.0	yes
06	(6) NGC-3079	WFC3/UVIS	5	08-Apr-2026 13:00:21.0	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>
07	(7) NGC-4388	WFC3/UVIS	5	08-Apr-2026 13:00:22.0	yes
08	(8) NGC-4631	WFC3/UVIS	5	08-Apr-2026 13:00:22.0	yes
58	(8) NGC-4631	WFC3/UVIS	1	08-Apr-2026 13:00:23.0	yes
09	(9) NGC-4666	WFC3/UVIS	5	08-Apr-2026 13:00:24.0	yes
59	(9) NGC-4666	WFC3/UVIS	5	08-Apr-2026 13:00:24.0	yes
64	(9) NGC-4666	WFC3/UVIS	2	08-Apr-2026 13:00:25.0	yes
10	(10) NGC-5775	WFC3/UVIS	5	08-Apr-2026 13:00:26.0	yes
11	(4) NGC-1482	WFC3/UVIS	2	08-Apr-2026 13:00:26.0	yes
61	(4) NGC-1482	WFC3/UVIS	1	08-Apr-2026 13:00:27.0	yes

68 Total Orbits Used

ABSTRACT

The amount of dust outside of galaxies, inferred from reddening measurements of background quasars and galaxies by foreground galaxy halos, is comparable to that within galaxies. The recent discoveries of dusty winds driven by stellar or SMBH processes that extend on 100-kpc scales suggest that winds are one source, and possibly the main source, of the enriched circumgalactic medium (CGM), although the processes by which the dust is launched, entrained, and possibly altered in these winds remain uncertain. This is due to the fact that the angular resolution (5") of present-day observations is insufficient to extract the dust signal at the base of the wind against the bright galaxy, and allow to pinpoint where the dust lies relative to the cool, warm, and hot gas phases of the winds. We propose to map, for the first time on sub-arcsecond scale (<10-100 pc), the ultraviolet light reflected off of extraplanar dust in 10 nearby highly inclined disk galaxies with well-known galactic winds or fountains, spanning a range in stellar masses, energy sources (stellar or AGN), and dust erosion processes (shocks, stellar or AGN photoionization). The dust maps, derived from deep WFC3 F225W and F336W images, will be compared with existing sub-arcsecond maps and velocity fields of the ionized gas to determine the mechanisms by which the dust is launched and carried into the halos of these galaxies, and whether the dust experiences any evolution on its journey to the halos. The <10-100 pc resolution is critical since the processes that can alter or even destroy the dust and the clouds in which it resides operate on such scales. The results will inform future modeling and IR observations.

OBSERVING DESCRIPTION

Proposal 17535 (STScI Edit Number: 5, Created: Wednesday, April 8, 2026, 12:00:27PM Eastern Standard Time) - Overview

A total of 44 orbits is used, split between the WFC3/F225W observations (34 orbits) and WFC3/F336W observations (10 orbits). The observations are relatively straightforward. All of the objects, except M82, are centered within the WFC3 FOV. To take full advantage of the WFC3 FOV, each object is observed at a specific position angle (PA) such that the major or minor axis of the host galaxy aligns with the sides of the WFC3 format. The exposures are divided into two or three shorter sub-exposures per orbit to allow to remove cosmic rays, hot pixels, and other detector blemishes, improve sampling for the astrometric solution, improve photometric accuracy by averaging flat-field errors, and bridge the gap between the two chips. A post flash is used for both the F225W and F336W observations to avoid charge traps.

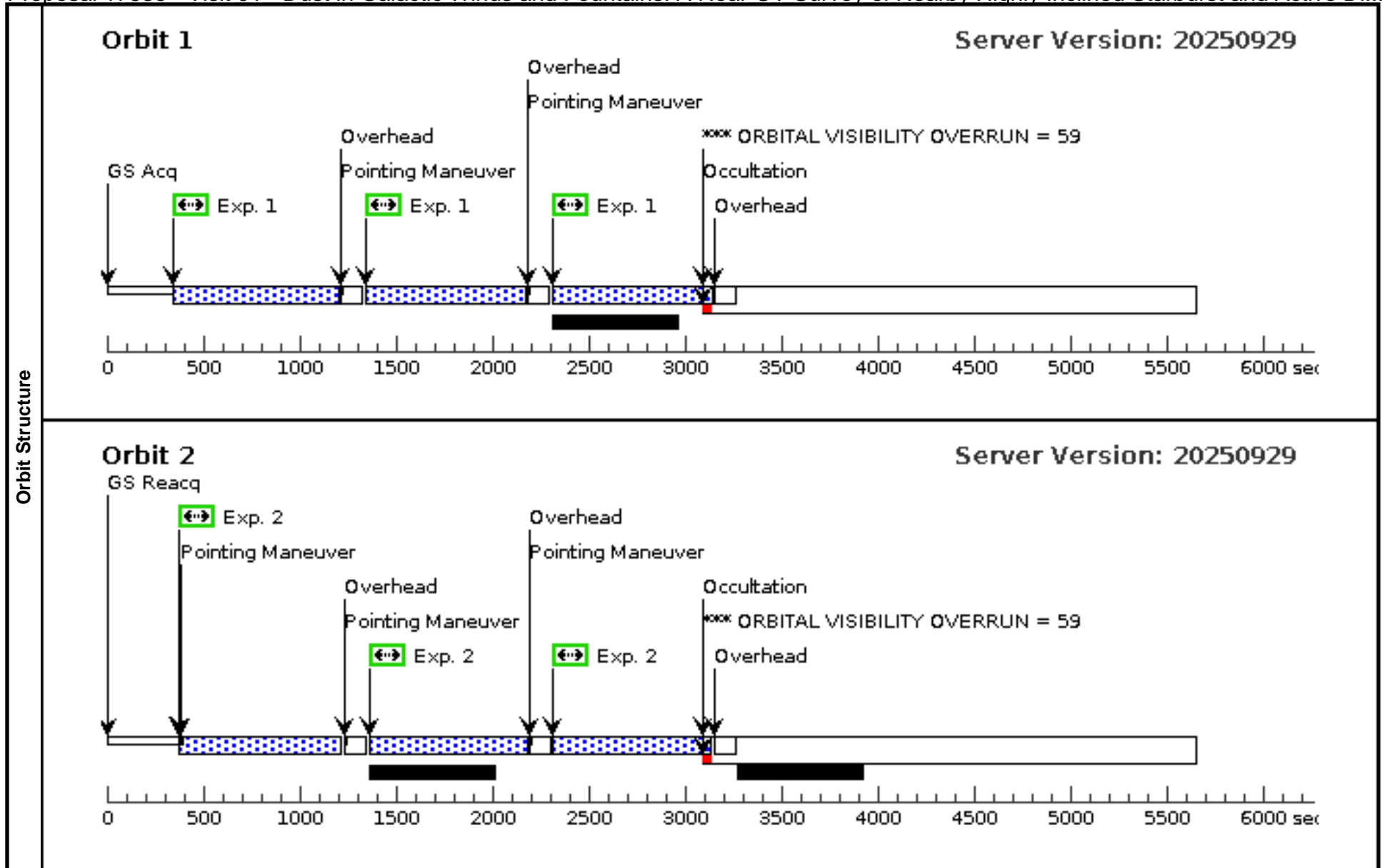
The observational goal of this program is to reach a limiting ($S/N = 3$) surface brightness (SB) in the F225W band within the region where the GALEX NUV SB is at least 27 mag AB arcsec. The SB limit of the F225W observation is chosen to allow us to trace the full extent of the dusty wind in each object, beyond the galactic disks, based on the GALEX NUV images. There are two exceptions: M82 and NGC 253. In M82, the one-orbit F225W observation reaches a limiting ($S/N \sim 3$) SB of ~ 25.7 mag AB arcsec⁻². Moreover, it is centered on the UV-brighter southern cone rather than the nucleus to allow us to study the dust out to ~ 3 kpc from the nucleus. The F225W observation of NGC 253 is centered on the nucleus but is otherwise the same as that of M82: three exposures within one orbit (~ 2800 sec in total) with WFC3/F225W, reaching a GALEX NUV band SB limit of 25.7 mag AB arcsec⁻². A post flash of 17 e⁻ is needed for both M82 and NGC 253 according to the WFC3 ETC (WFC3UVIS.im.1852753). For the other 8 objects in the sample, a limiting SB in the GALEX NUV band of 27 mag AB arcsec⁻² is reached in $\sim 12,000$ seconds split in 8 exposures over four orbits, when observing with the F225W filter, according to the WFC3 ETC (WFC3UVIS.im.1889384). A post flash of 14 e⁻ is needed to avoid charge traps. For all these calculations, we use a circular aperture with radius of 0.5-0.6" and assume that the UV scattered light has a flat lambda spectral energy distribution (the results are insensitive to this assumption). 34 orbits are needed to observe 10 objects.

The SB limit of the F336W observations is chosen to make sure that these images reliably remove the direct stellar light in the F225W image. It is therefore important to choose a SB limit that captures the faint stellar light from the disk. A quantitative inspection of the GALEX NUV data indicates that we must have good S/N in the region corresponding to a GALEX NUV SB of ~ 25.3 mag AB arcsec⁻². According to the WFC3 ETC, a GALEX NUV SB limit of 25.3 mag AB arcsec⁻² is reached within one orbit if the F336W observation is split into three exposures to deal with the cosmic rays and allow for dithering (WFC3UVIS.im.1852745). A post flash of 16 e⁻ is needed to avoid charge traps.

Proposal 17535 - Visit 01 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

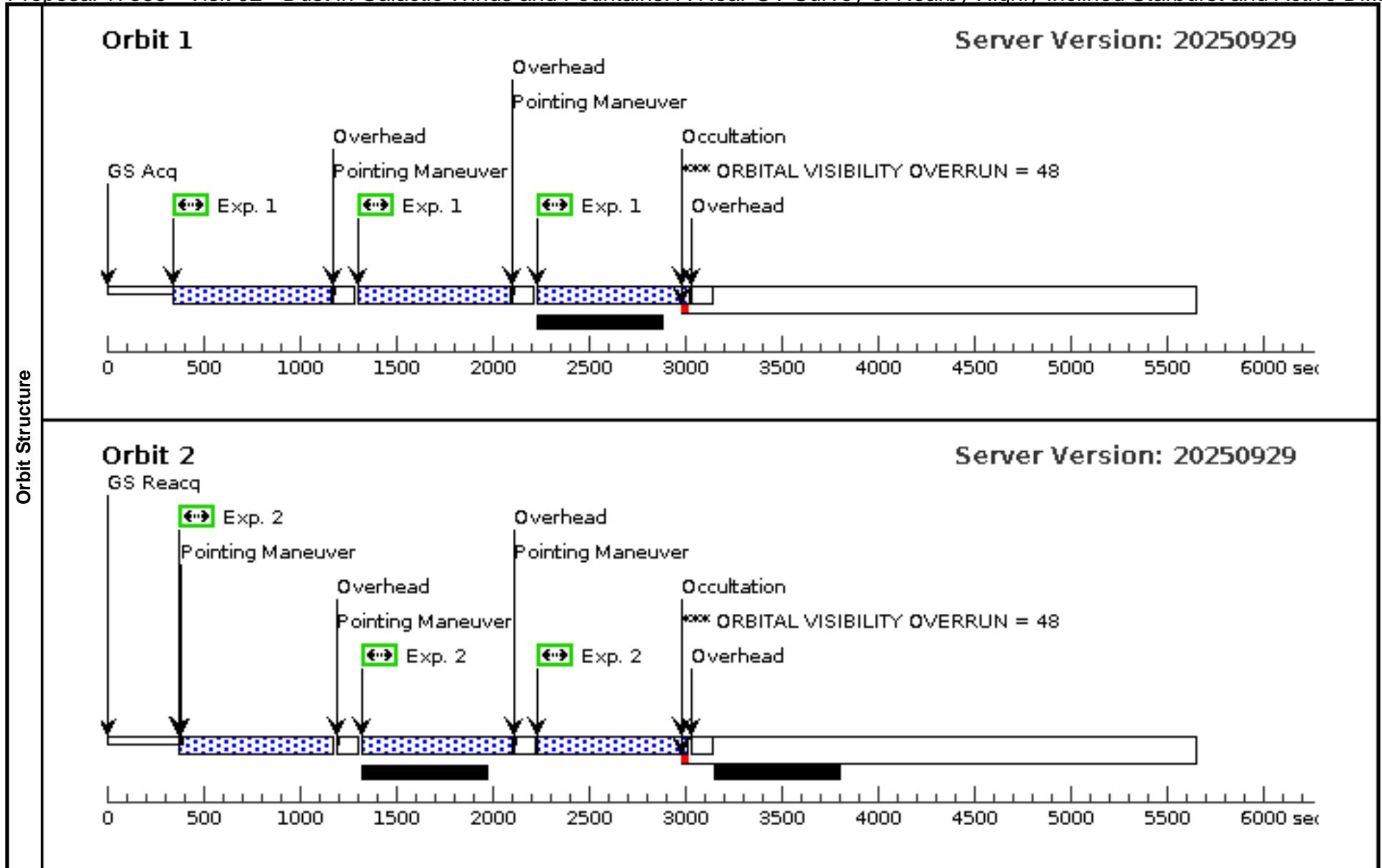
Visit	Proposal 17535, Visit 01, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 192D TO 212 D; ORIENT 278D TO 298 D; ORIENT 12D TO 32 D; ORIENT 98D TO 118 D									
	(Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2.414 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true				(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	M-82-SOUTH-CONE	RA: 09 55 52.7250 (148.9696875d) Dec: +69 39 45.78 (69.66272d) Equinox: J2000	Epoch of Position: 2015.5	V=8.41	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.185275 3)	(1) M-82-SOUTH-C ONE	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=17		Pattern 2, Exps 1-1 i n Visit 01 (2)	936 Secs (2487 Secs)	
	[==>829.0 Secs (Pattern 1)] [==>829.0 Secs (Pattern 2)] [==>829.0 Secs (Pattern 3)]									[1]
	2	(WFC3UVI S.im.185274 5)	(1) M-82-SOUTH-C ONE	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 2-2 i n Visit 01 (2)	934 Secs (2463 Secs)	
[==>821.0 Secs (Pattern 1)] [==>821.0 Secs (Pattern 2)] [==>821.0 Secs (Pattern 3)]									[2]	



Proposal 17535 - Visit 02 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 02, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 176D TO 196 D; ORIENT 262D TO 282 D; ORIENT 356D TO 16 D; ORIENT 82D TO 102 D									
	(Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2.414 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true				(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-253	RA: 00 47 33.1340 (11.8880583d) Dec: -25 17 19.68 (-25.28880d) Equinox: J2000	Epoch of Position: 2015.5	V=7.5	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.185275 3)	(2) NGC-253	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=17		Pattern 2, Exps 1-1 in Visit 02 (2)	825 Secs (2367 Secs) [=>789.0 Secs (Pattern 1)] [=>789.0 Secs (Pattern 2)] [=>789.0 Secs (Pattern 3)]	[1]
2	(WFC3UVI S.im.185274 5)	(2) NGC-253	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 2-2 in Visit 02 (2)	823 Secs (2343 Secs) [=>781.0 Secs (Pattern 1)] [=>781.0 Secs (Pattern 2)] [=>781.0 Secs (Pattern 3)]	[2]	



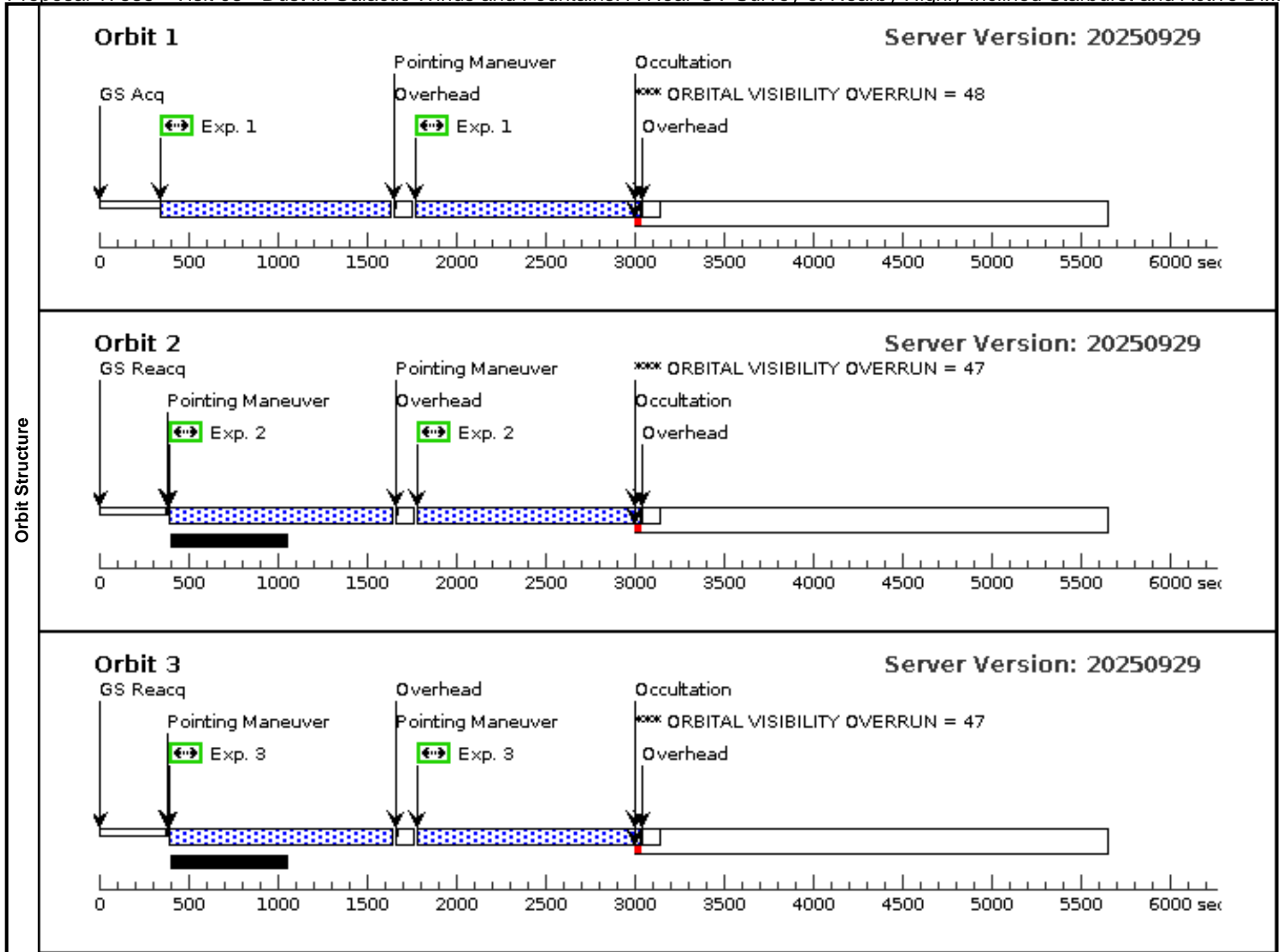
Proposal 17535 - Visit 03 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 150D TO 170 D; ORIENT 236D TO 256 D; ORIENT 330D TO 350 D; ORIENT 56D TO 76 D					
	(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 03) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	NGC-891	RA: 02 22 32.9070 (35.6371125d) Dec: +42 20 53.95 (42.34832d) Equinox: J2000	Epoch of Position: 2015.5	V=9.93	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES						

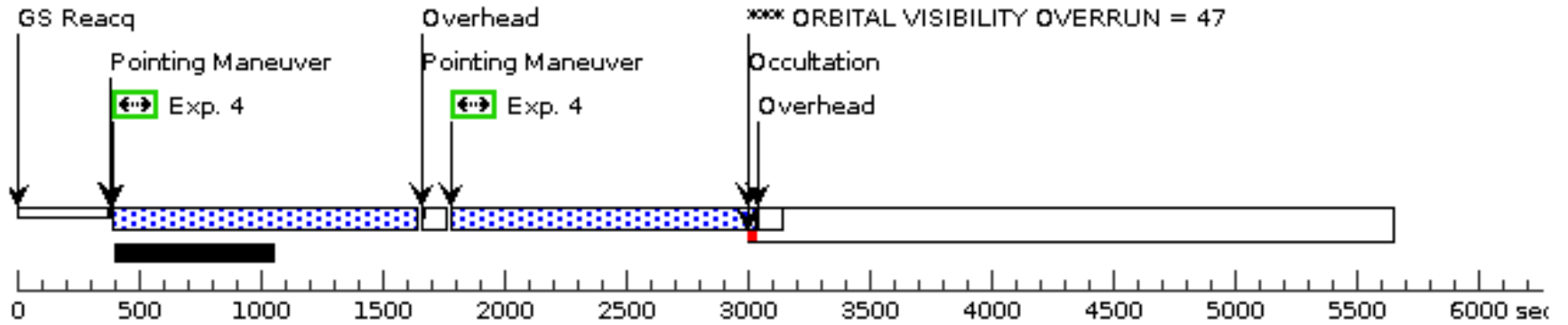
Proposal 17535 - Visit 03 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(3) NGC-891	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 03 (1)	1347 Secs (2530 Secs) [==>1265.0 Secs (Pattern 1)] [==>1265.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(3) NGC-891	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 03 (1)	1342 Secs (2506 Secs) [==>1253.0 Secs (Pattern 1)] [==>1253.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(3) NGC-891	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 03 (1)	1342 Secs (2506 Secs) [==>1253.0 Secs (Pattern 1)] [==>1253.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(3) NGC-891	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 03 (1)	1342 Secs (2506 Secs) [==>1253.0 Secs (Pattern 1)] [==>1253.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(3) NGC-891	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 03 (2)	847 Secs (2361 Secs) [==>787.0 Secs (Pattern 1)] [==>787.0 Secs (Pattern 2)] [==>787.0 Secs (Pattern 3)]	[5]



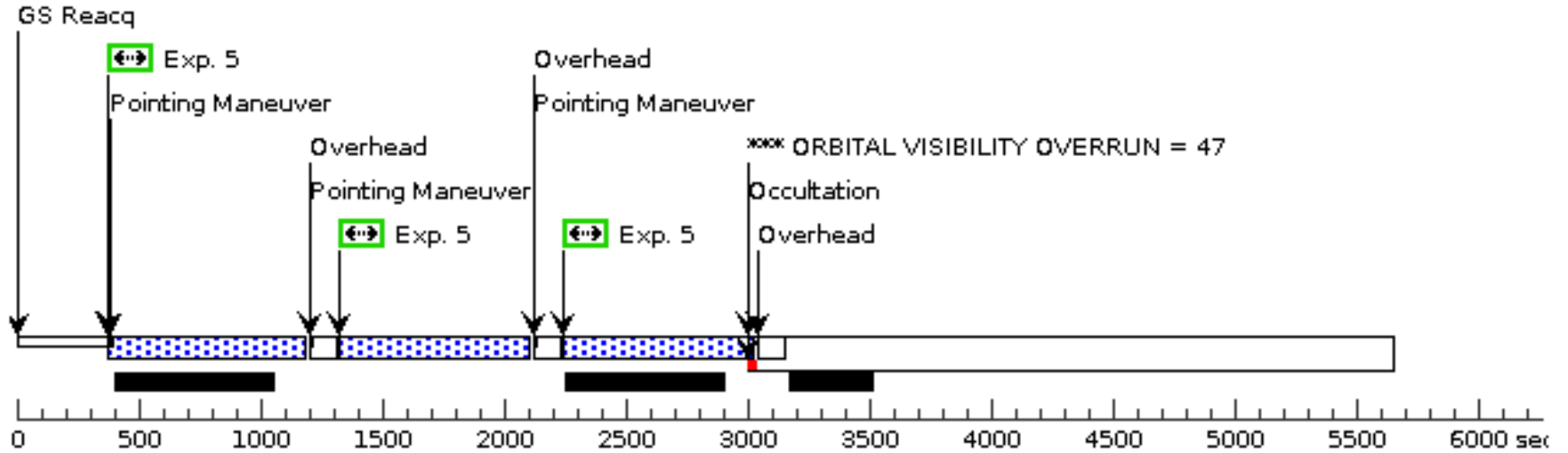
Orbit 4

Server Version: 20250929



Orbit 5

Server Version: 20250929



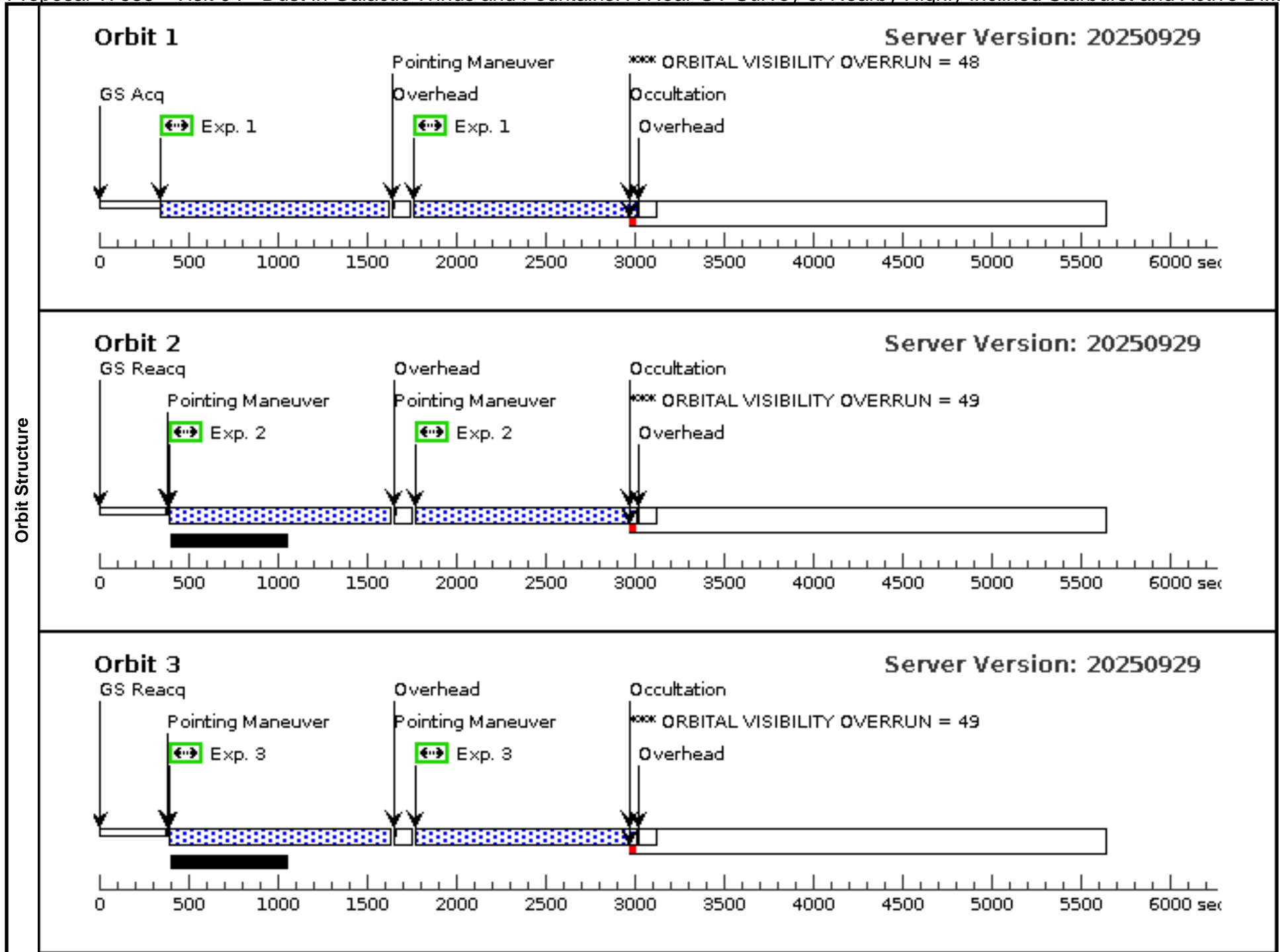
Proposal 17535 - Visit 04 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 04, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 230D TO 250 D; ORIENT 316D TO 336 D; ORIENT 50D TO 70 D; ORIENT 136D TO 156 D					
	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC-1482	RA: 03 54 38.9280 (58.6622000d) Dec: -20 30 8.82 (-20.50245d) Equinox: J2000	Epoch of Position: 2015.5	V=12.15	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES						

Proposal 17535 - Visit 04 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

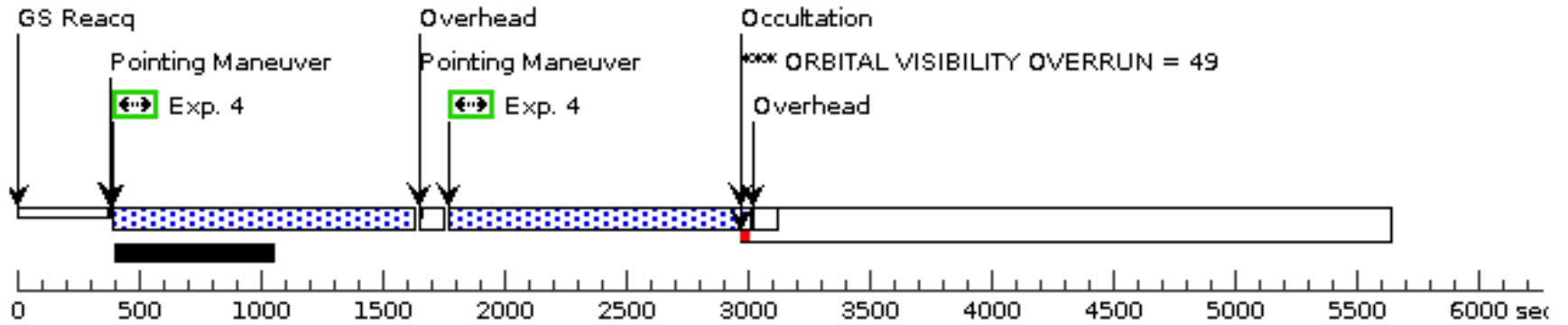
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 04 (1)	1308 Secs (2508 Secs) [==>1254.0 Secs (Pattern 1)] [==>1254.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 04 (1)	1304 Secs (2486 Secs) [==>1243.0 Secs (Pattern 1)] [==>1243.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 04 (1)	1304 Secs (2486 Secs) [==>1243.0 Secs (Pattern 1)] [==>1243.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 04 (1)	1304 Secs (2486 Secs) [==>1243.0 Secs (Pattern 1)] [==>1243.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 04 (2)	821 Secs (2340 Secs) [==>780.0 Secs (Pattern 1)] [==>780.0 Secs (Pattern 2)] [==>780.0 Secs (Pattern 3)]	[5]



Orbit Structure

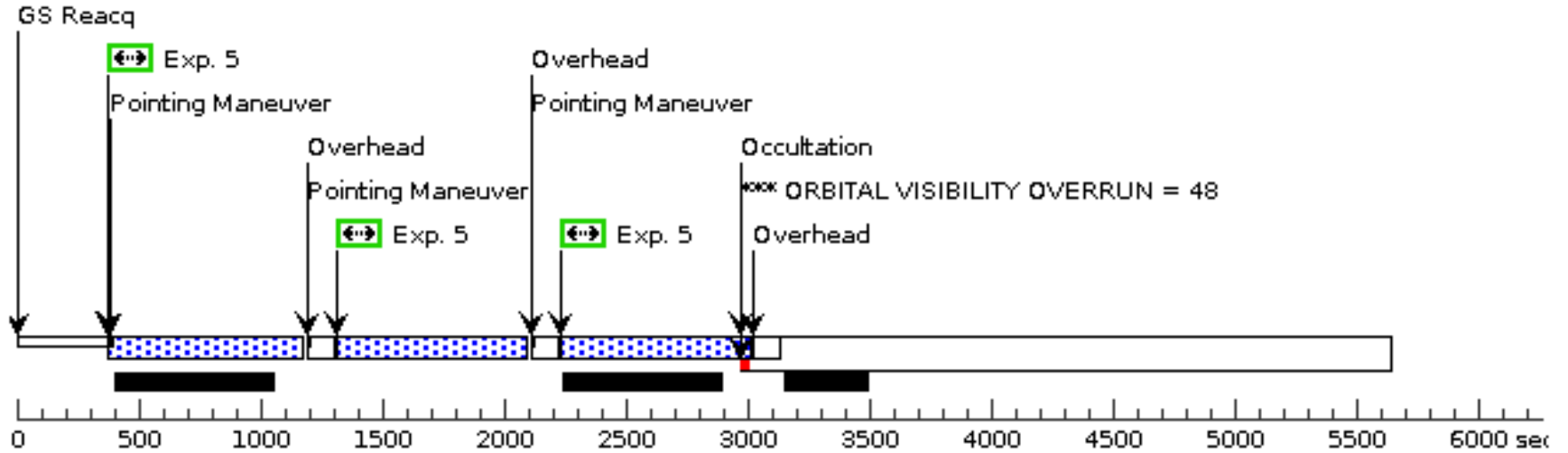
Orbit 4

Server Version: 20250929



Orbit 5

Server Version: 20250929



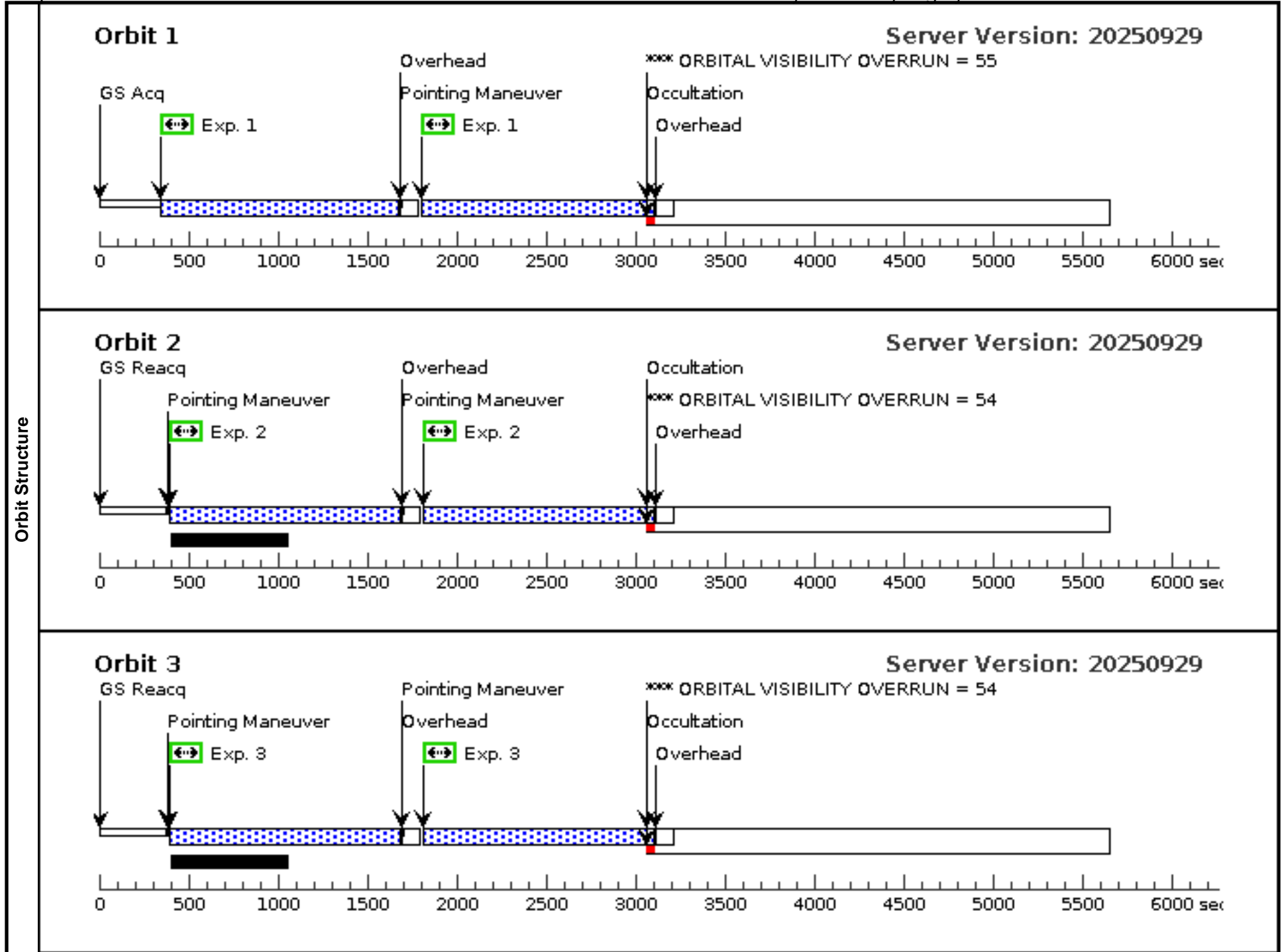
Proposal 17535 - Visit 05 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 05, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 328D TO 348 D; ORIENT 62D TO 80 D; ORIENT 148D TO 168 D					
	(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	NGC-1569	RA: 04 30 49.1860 (67.7049417d) Dec: +64 50 52.52 (64.84792d) Equinox: J2000	Epoch of Position: 2015.5	V=11.03	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST] Extended=YES						

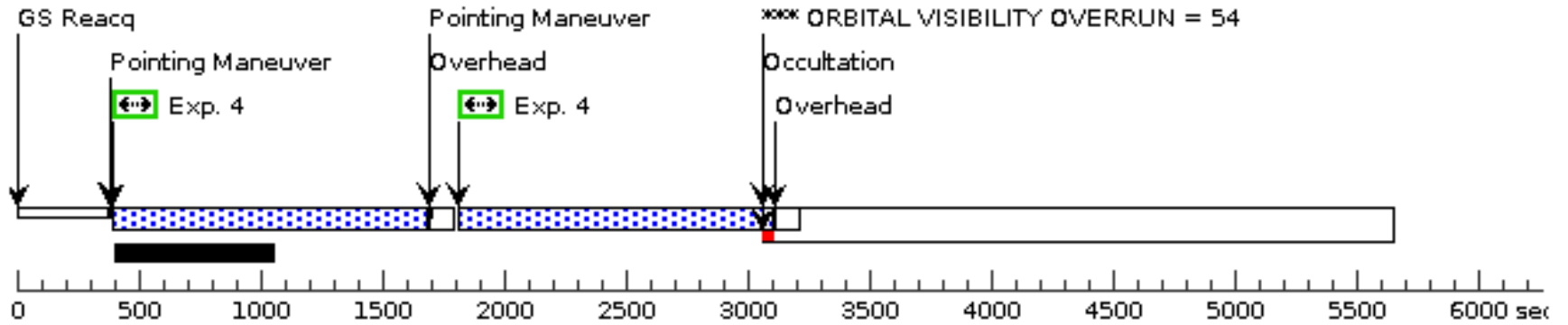
Proposal 17535 - Visit 05 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 05 (1)	1442 Secs (2600 Secs) [==>1300.0 Secs (Pattern 1)] [==>1300.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 05 (1)	1437 Secs (2576 Secs) [==>1288.0 Secs (Pattern 1)] [==>1288.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 05 (1)	1437 Secs (2576 Secs) [==>1288.0 Secs (Pattern 1)] [==>1288.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 05 (1)	1437 Secs (2576 Secs) [==>1288.0 Secs (Pattern 1)] [==>1288.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 05 (2)	910 Secs (2430 Secs) [==>810.0 Secs (Pattern 1)] [==>810.0 Secs (Pattern 2)] [==>810.0 Secs (Pattern 3)]	[5]



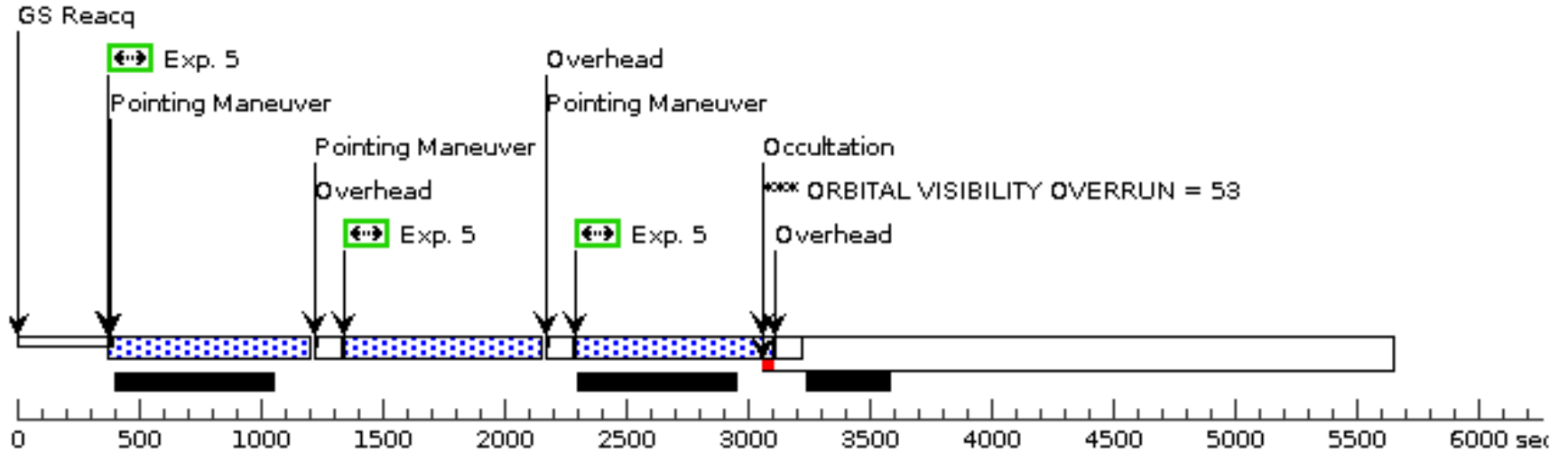
Orbit 4

Server Version: 20250929



Orbit 5

Server Version: 20250929



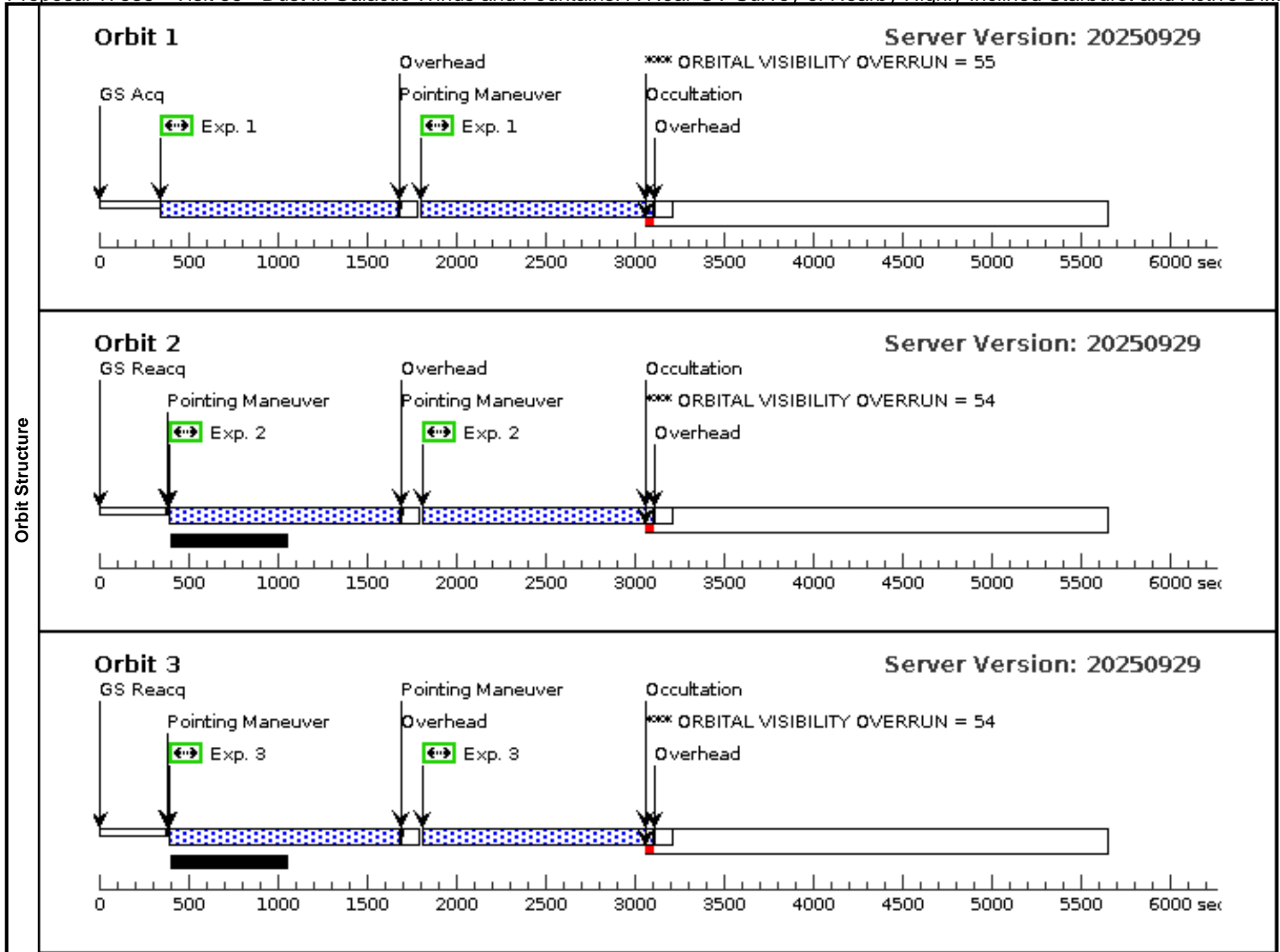
Proposal 17535 - Visit 55 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 55, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 328D TO 348 D; ORIENT 62D TO 80 D; ORIENT 148D TO 168 D <i>Comments: HOPR copy of visit 5</i>					
	Diagnosics (Visit 55) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 55) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 55) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 55) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 55) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	NGC-1569	RA: 04 30 49.1860 (67.7049417d) Dec: +64 50 52.52 (64.84792d) Equinox: J2000	Epoch of Position: 2015.5	V=11.03	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST] Extended=YES						

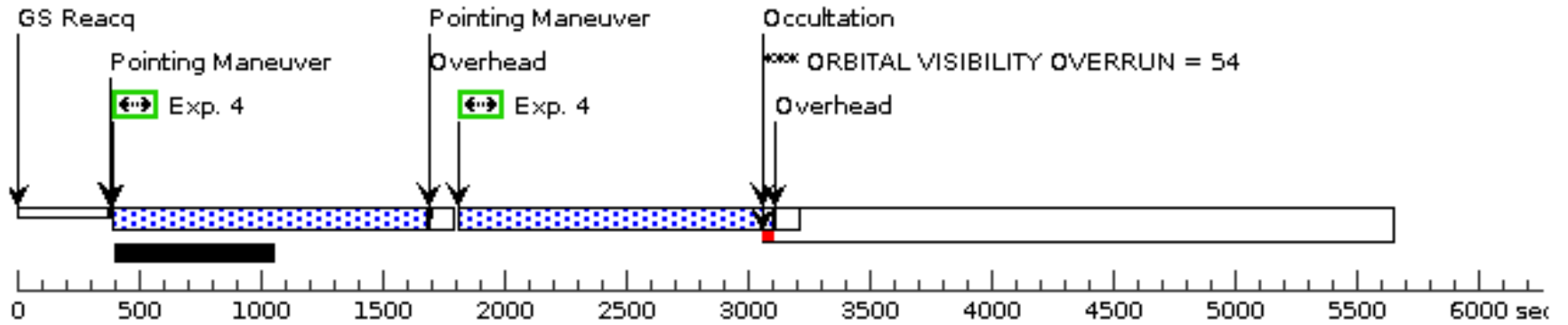
Proposal 17535 - Visit 55 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 55 (1)	1442 Secs (2600 Secs) [==>1300.0 Secs (Pattern 1)] [==>1300.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 55 (1)	1437 Secs (2576 Secs) [==>1288.0 Secs (Pattern 1)] [==>1288.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 55 (1)	1437 Secs (2576 Secs) [==>1288.0 Secs (Pattern 1)] [==>1288.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 55 (1)	1437 Secs (2576 Secs) [==>1288.0 Secs (Pattern 1)] [==>1288.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 55 (2)	910 Secs (2430 Secs) [==>810.0 Secs (Pattern 1)] [==>810.0 Secs (Pattern 2)] [==>810.0 Secs (Pattern 3)]	[5]



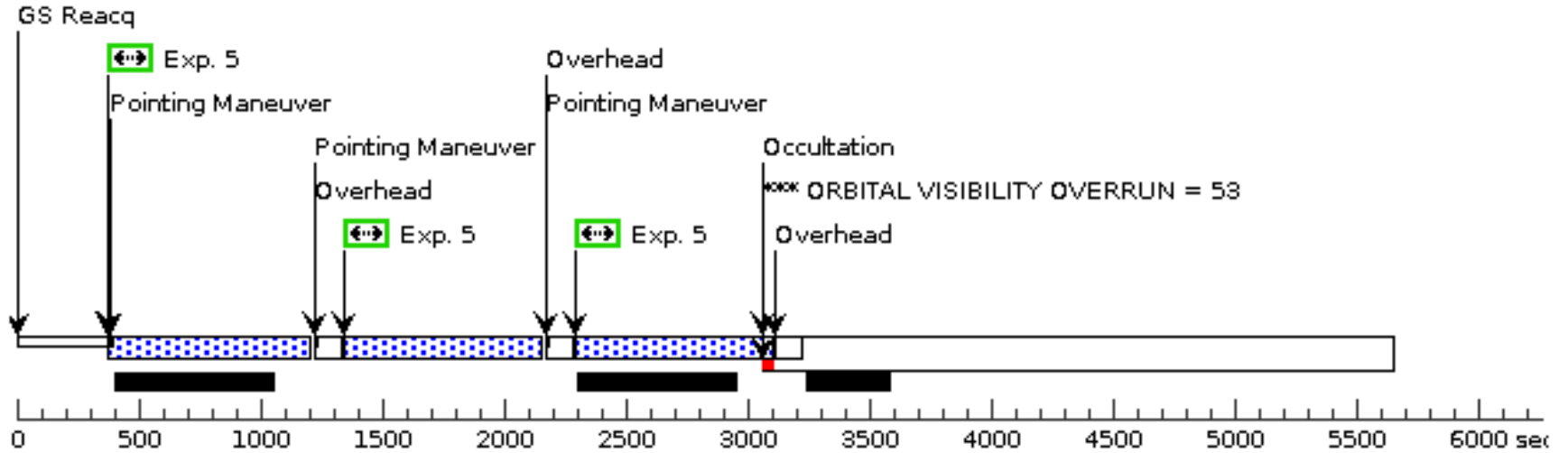
Orbit 4

Server Version: 20250929



Orbit 5

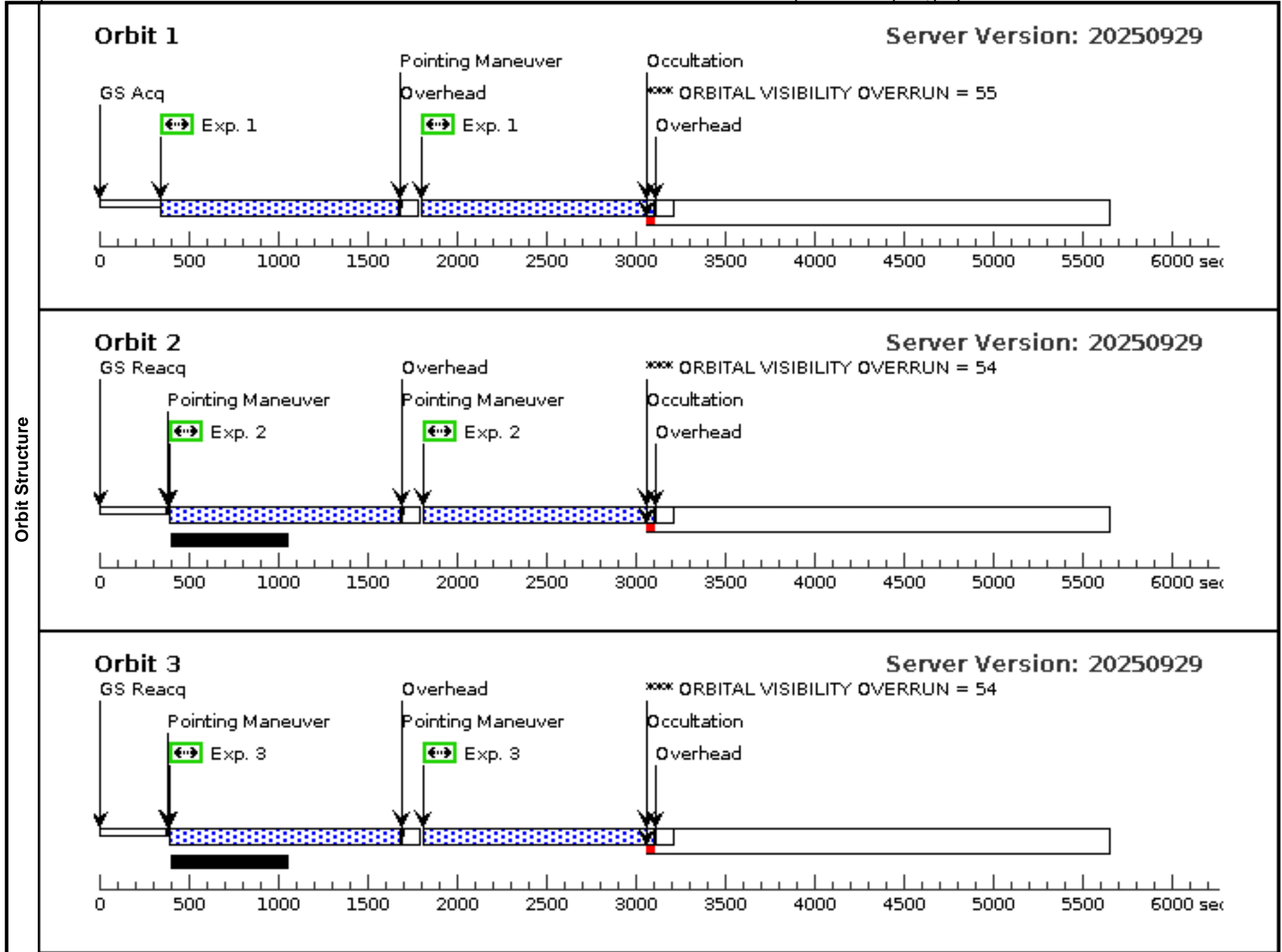
Server Version: 20250929



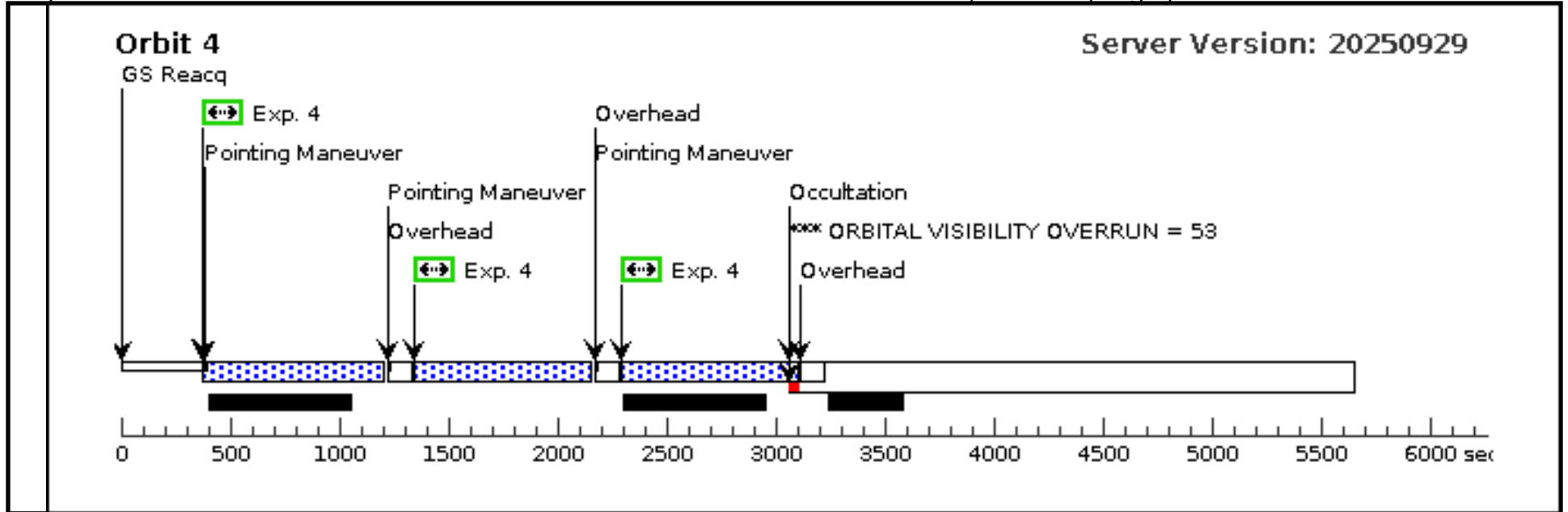
Proposal 17535 - Visit 60 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 60, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 328D TO 348 D; ORIENT 62D TO 80 D; ORIENT 148D TO 168 D <i>Comments: HOPR copy of visit 55 minus one of the 4 orbits for F225W</i>									
	(Visit 60) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 60) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 60) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 60) 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=				(1), (2), (3)				
Patterns	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=				(4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	NGC-1569	RA: 04 30 49.1860 (67.7049417d) Dec: +64 50 52.52 (64.84792d) Equinox: J2000	Epoch of Position: 2015.5	V=11.03	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 in Visit 60 (1)	1442 Secs (2600 Secs) [=>1300.0 Secs (Pattern 1)] [=>1300.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 in Visit 60 (1)	1437 Secs (2576 Secs) [=>1288.0 Secs (Pattern 1)] [=>1288.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 in Visit 60 (1)	1437 Secs (2576 Secs) [=>1288.0 Secs (Pattern 1)] [=>1288.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.185274 5)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 4-4 in Visit 60 (2)	910 Secs (2430 Secs) [=>810.0 Secs (Pattern 1)] [=>810.0 Secs (Pattern 2)] [=>810.0 Secs (Pattern 3)]	[4]



Orbit Structure



Proposal 17535 - Visit 62 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 62, failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 323D TO 353 D; ORIENT 62D TO 85 D; ORIENT 143D TO 173 D Comments: HOPR copy of visit 60 minus the orbit for F336W i.e. only the 3 orbits for F225W. The PA constraints were also relaxed a bit by ~5-10 degrees.									
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=							(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(5)	NGC-1569	RA: 04 30 49.1860 (67.7049417d) Dec: +64 50 52.52 (64.84792d) Equinox: J2000		Epoch of Position: 2015.5		V=11.03	Reference Frame: SIMBAD		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 in Visit 62 (1)	1442 Secs (2544 Secs)	
									[==>1272.0 Secs (Pattern 1)]	[1]
									[==>1272.0 Secs (Pattern 2)]	
2	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 in Visit 62 (1)	1437 Secs (2522 Secs)		
								[==>1261.0 Secs (Pattern 1)]	[2]	
								[==>1261.0 Secs (Pattern 2)]		
3	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 in Visit 62 (1)	1437 Secs (2522 Secs)		
								[==>1261.0 Secs (Pattern 1)]	[3]	
								[==>1261.0 Secs (Pattern 2)]		

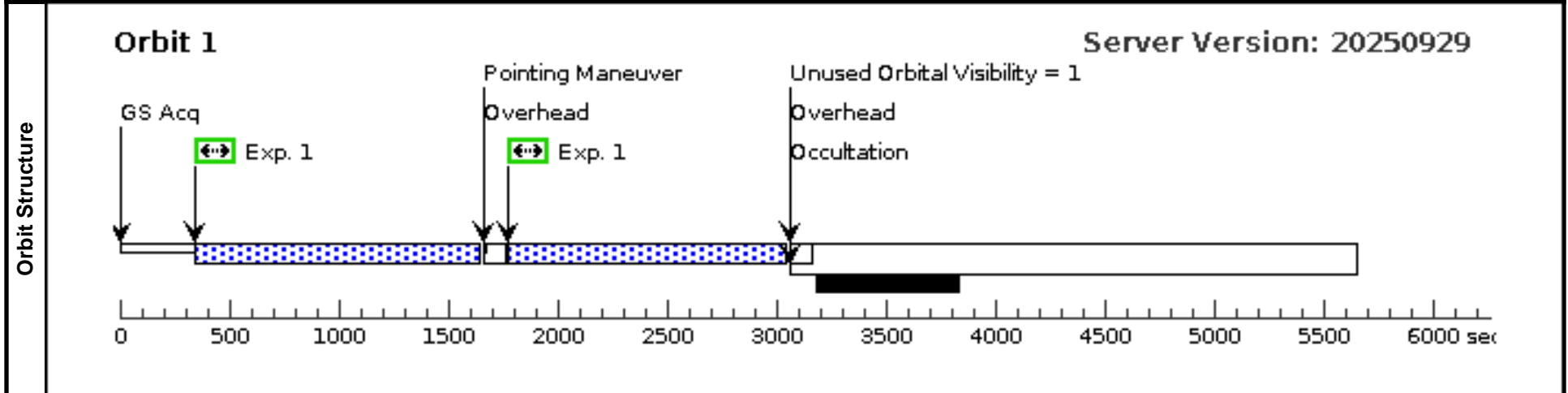


Visit	Proposal 17535, Visit 63, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 323D TO 353 D; ORIENT 62D TO 85 D; ORIENT 143D TO 173 D Comments: HOPR copy of visit 60 minus the orbit for F336W i.e. only the 3 orbits for F225W. The PA constraints were also relaxed a bit by ~5-10 degrees.		

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=		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	NGC-1569	RA: 04 30 49.1860 (67.7049417d) Dec: +64 50 52.52 (64.84792d) Equinox: J2000	Epoch of Position: 2015.5	V=11.03	Reference Frame: SIMBAD
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(5) NGC-1569	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 63 (1)	1442 Secs (2544 Secs)	
									[=>1272.0 Secs (Pattern 1)]	[1]
									[=>1272.0 Secs (Pattern 2)]	



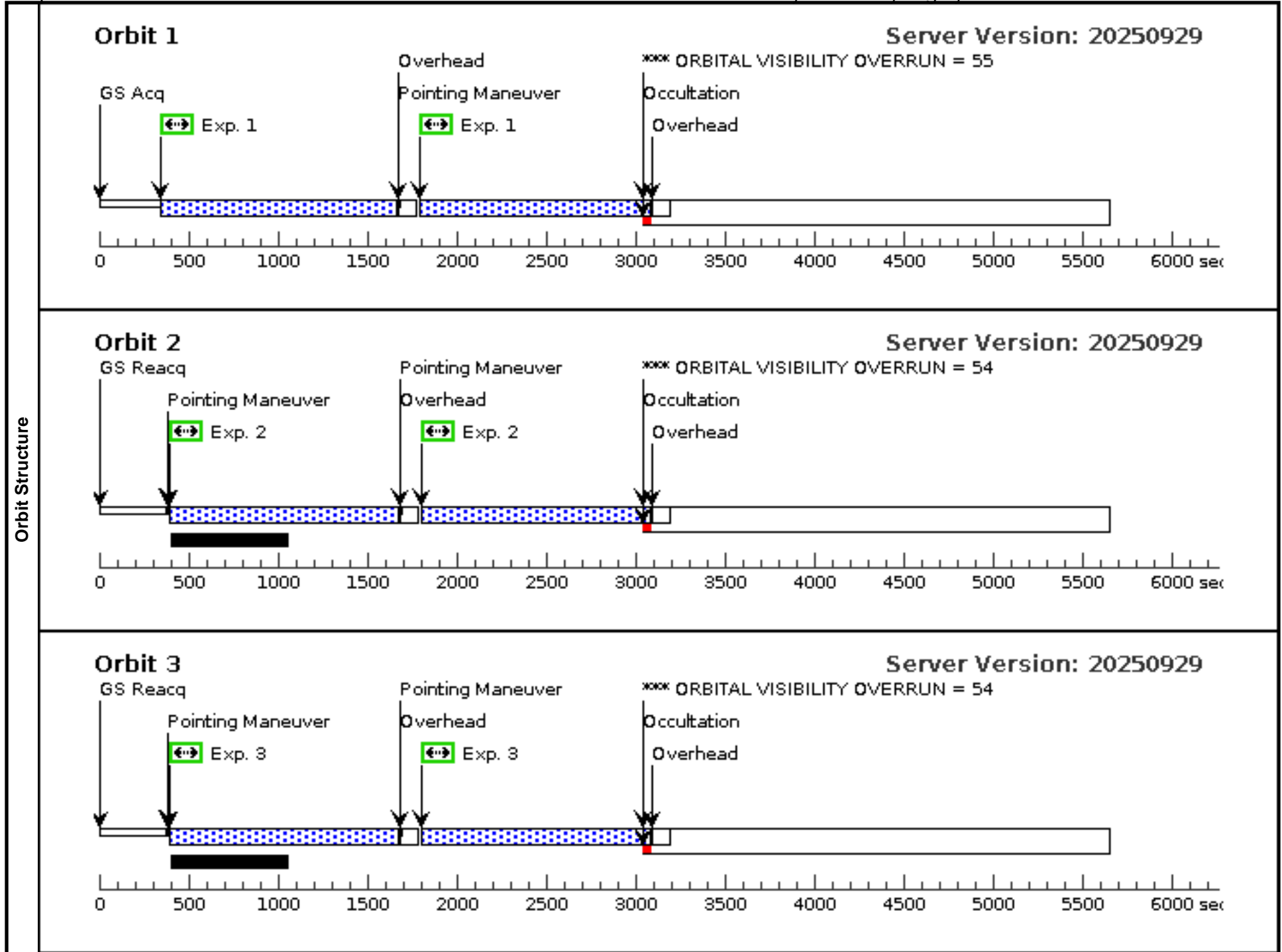
Proposal 17535 - Visit 06 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 06, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 295D TO 315 D; ORIENT 21D TO 41 D; ORIENT 115D TO 135 D; ORIENT 201D TO 221 D					
	(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	NGC-3079	RA: 10 01 57.8790 (150.4911625d) Dec: +55 40 47.45 (55.67985d) Equinox: J2000	Epoch of Position: 2015.5	V=10.86	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SEYFERT] Extended=YES						

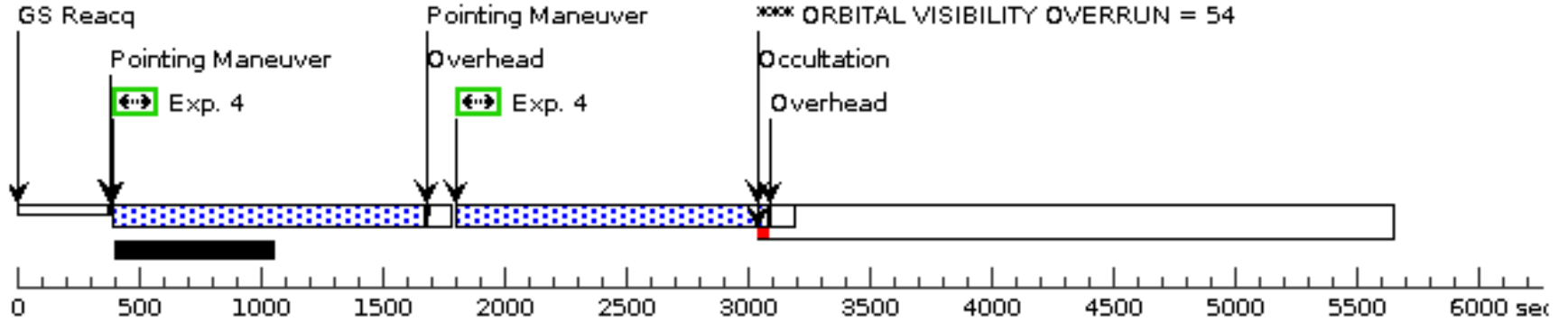
Proposal 17535 - Visit 06 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(6) NGC-3079	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 06 (1)	1428 Secs (2580 Secs) [==>1290.0 Secs (Pattern 1)] [==>1290.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(6) NGC-3079	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 06 (1)	1423 Secs (2556 Secs) [==>1278.0 Secs (Pattern 1)] [==>1278.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(6) NGC-3079	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 06 (1)	1423 Secs (2556 Secs) [==>1278.0 Secs (Pattern 1)] [==>1278.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(6) NGC-3079	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 06 (1)	1423 Secs (2556 Secs) [==>1278.0 Secs (Pattern 1)] [==>1278.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(6) NGC-3079	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 06 (2)	901 Secs (2412 Secs) [==>804.0 Secs (Pattern 1)] [==>804.0 Secs (Pattern 2)] [==>804.0 Secs (Pattern 3)]	[5]



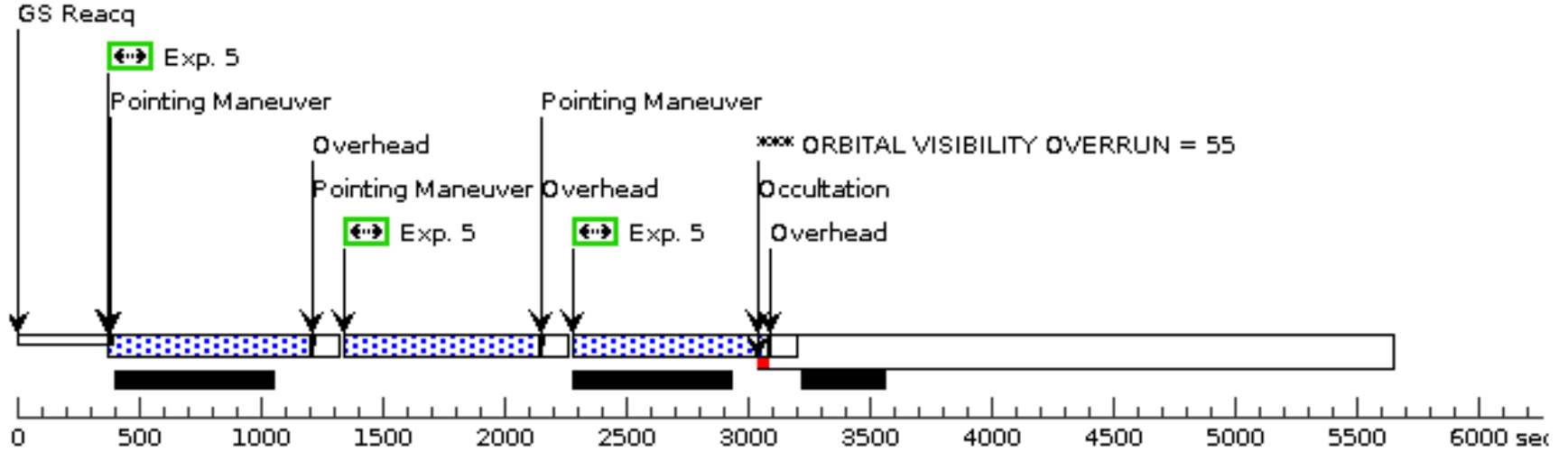
Orbit 4

Server Version: 20250929



Orbit 5

Server Version: 20250929



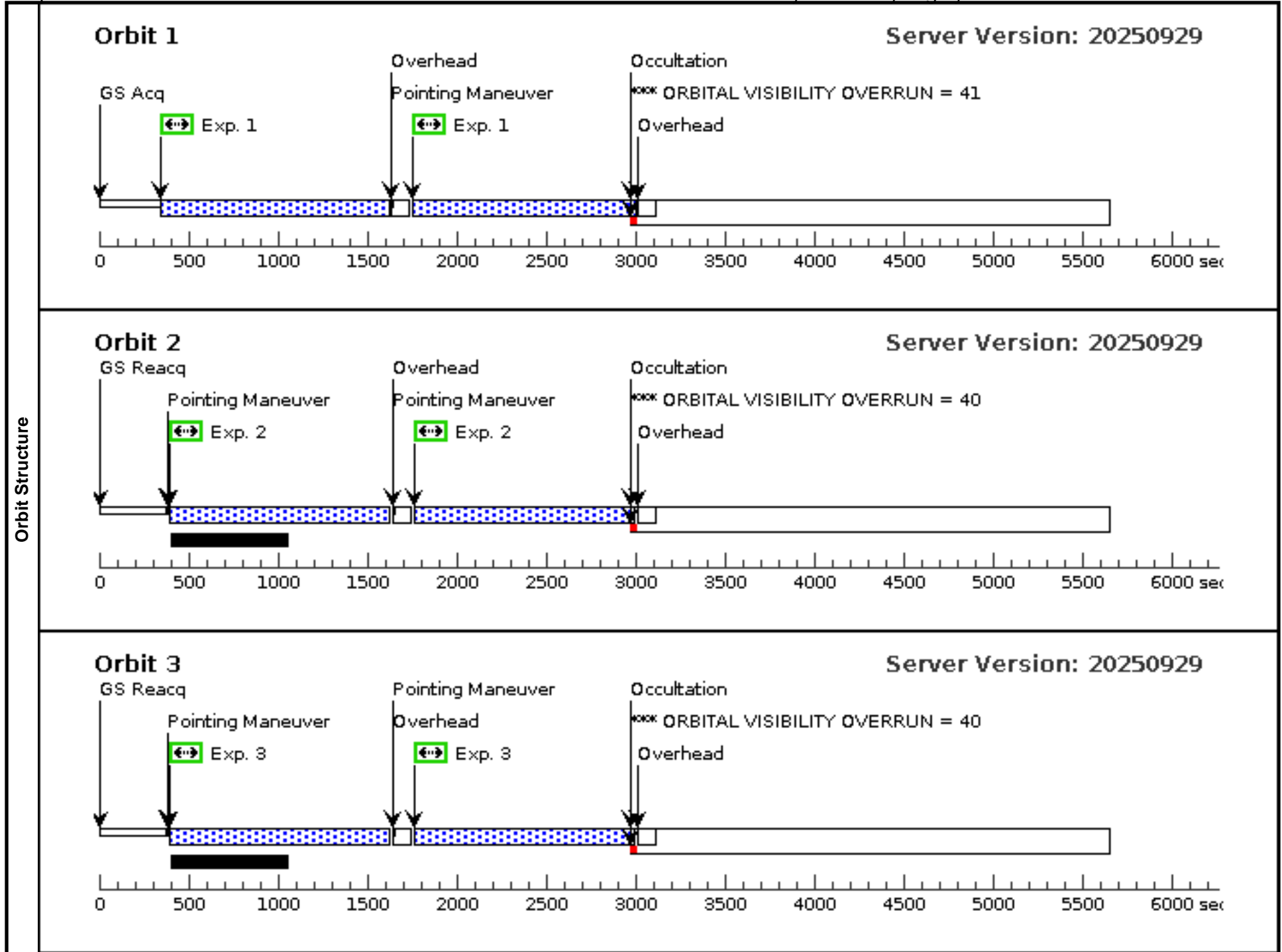
Proposal 17535 - Visit 07 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:27 GMT 2026

Visit	Proposal 17535, Visit 07, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 215D TO 235 D; ORIENT 301D TO 321 D; ORIENT 35D TO 55 D; ORIENT 121D TO 141 D					
	(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	NGC-4388	RA: 12 25 46.8200 (186.4450833d) Dec: +12 39 43.45 (12.66207d) Equinox: J2000	Epoch of Position: 2015.5	V=11.02	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SEYFERT] Extended=YES						

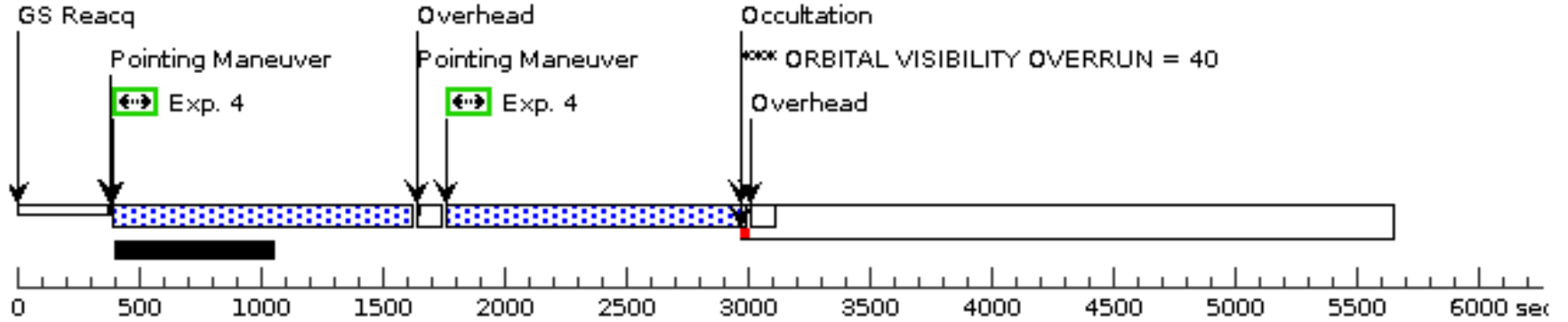
Proposal 17535 - Visit 07 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(7) NGC-4388	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 07 (1)	1307 Secs (2496 Secs) [==>1248.0 Secs (Pattern 1)] [==>1248.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(7) NGC-4388	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 07 (1)	1302 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(7) NGC-4388	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 07 (1)	1302 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(7) NGC-4388	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 07 (1)	1302 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(7) NGC-4388	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 07 (2)	820 Secs (2328 Secs) [==>776.0 Secs (Pattern 1)] [==>776.0 Secs (Pattern 2)] [==>776.0 Secs (Pattern 3)]	[5]



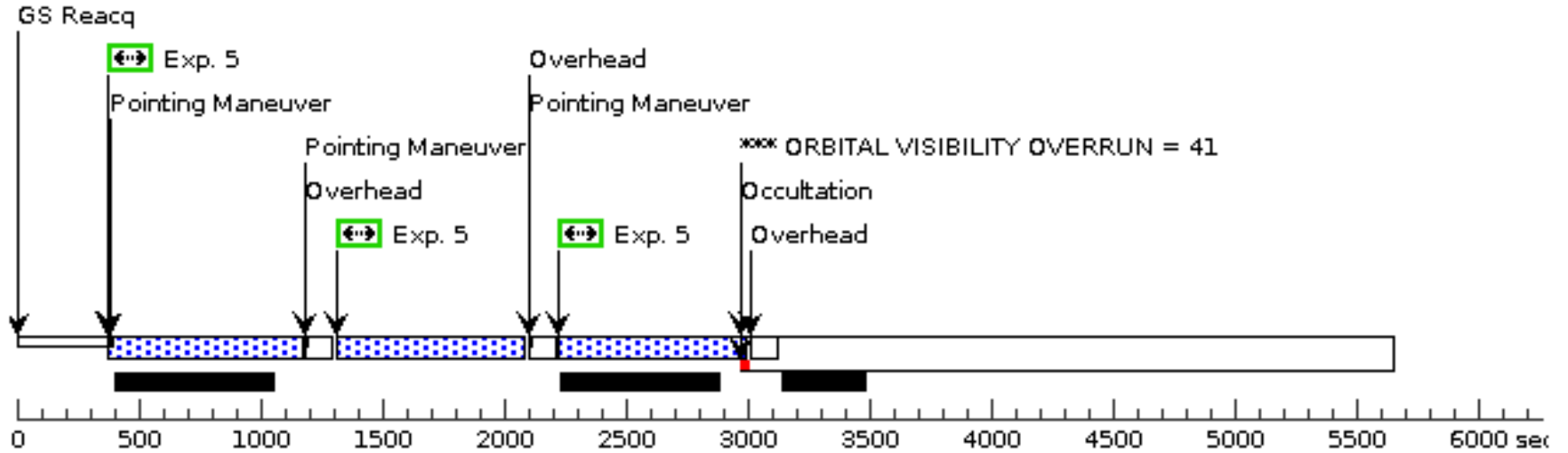
Orbit 4

Server Version: 20250929



Orbit 5

Server Version: 20250929



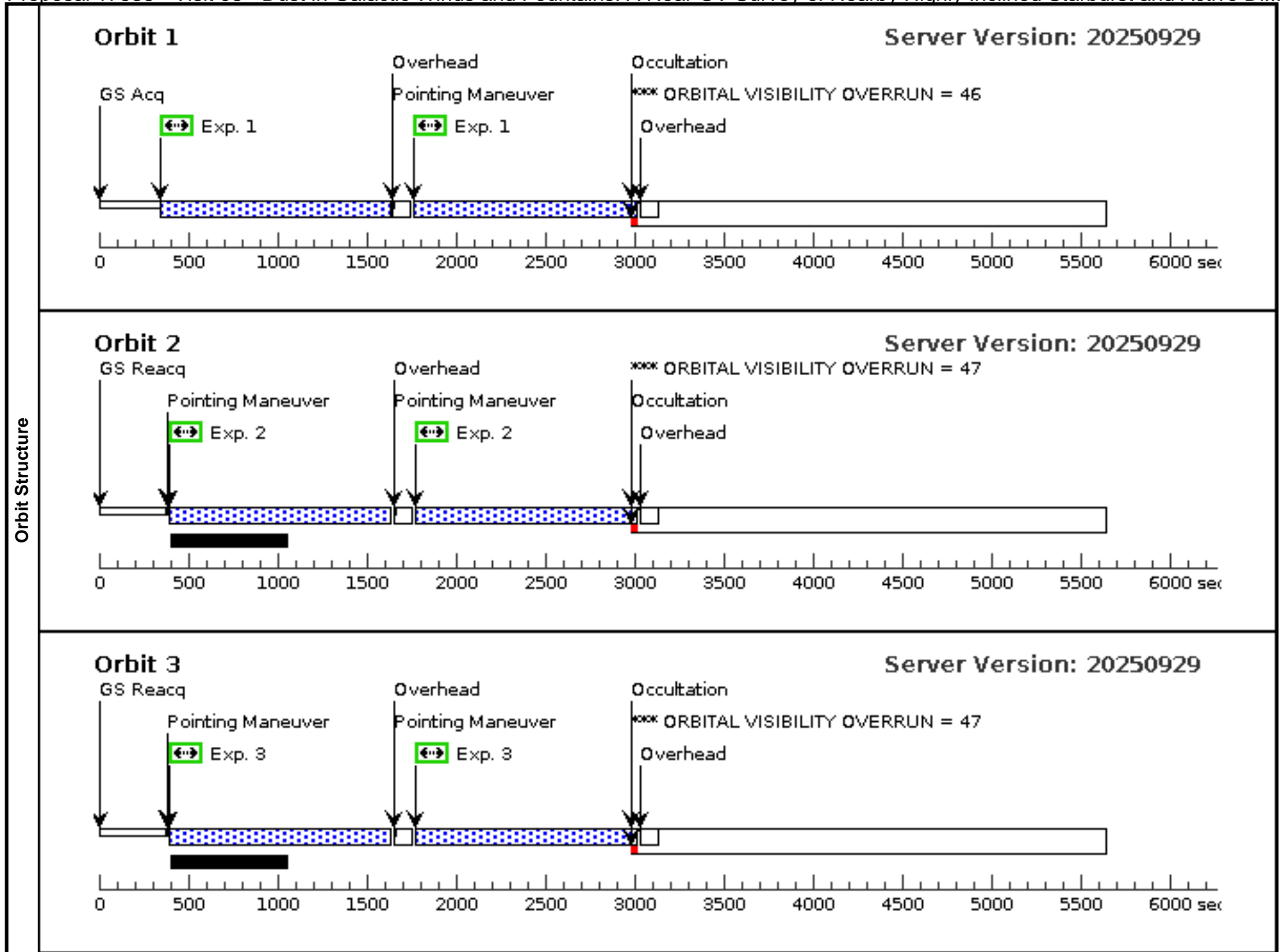
Proposal 17535 - Visit 08 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:28 GMT 2026

Visit	Proposal 17535, Visit 08, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 208D TO 228 D; ORIENT 294D TO 314 D; ORIENT 28D TO 48 D; ORIENT 114D TO 134 D					
	(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 08) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	NGC-4631	RA: 12 42 8.0090 (190.5333708d) Dec: +32 32 29.44 (32.54151d) Equinox: J2000	Epoch of Position: 2015.5	V=9.19	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES						

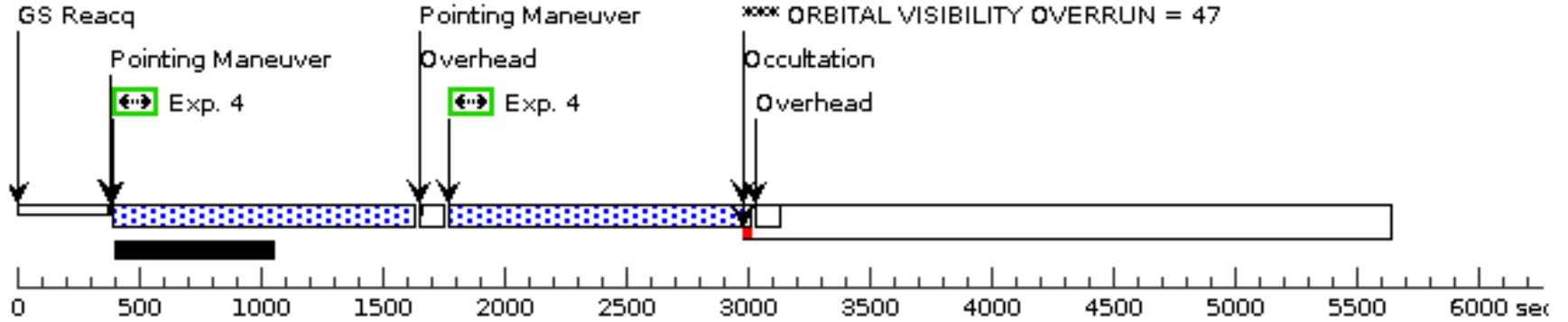
Proposal 17535 - Visit 08 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(8) NGC-4631	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 08 (1)	1318 Secs (2514 Secs) [==>1257.0 Secs (Pattern 1)] [==>1257.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(8) NGC-4631	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 08 (1)	1314 Secs (2492 Secs) [==>1246.0 Secs (Pattern 1)] [==>1246.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(8) NGC-4631	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 08 (1)	1314 Secs (2492 Secs) [==>1246.0 Secs (Pattern 1)] [==>1246.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(8) NGC-4631	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 08 (1)	1314 Secs (2492 Secs) [==>1246.0 Secs (Pattern 1)] [==>1246.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(8) NGC-4631	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 08 (2)	828 Secs (2346 Secs) [==>782.0 Secs (Pattern 1)] [==>782.0 Secs (Pattern 2)] [==>782.0 Secs (Pattern 3)]	[5]



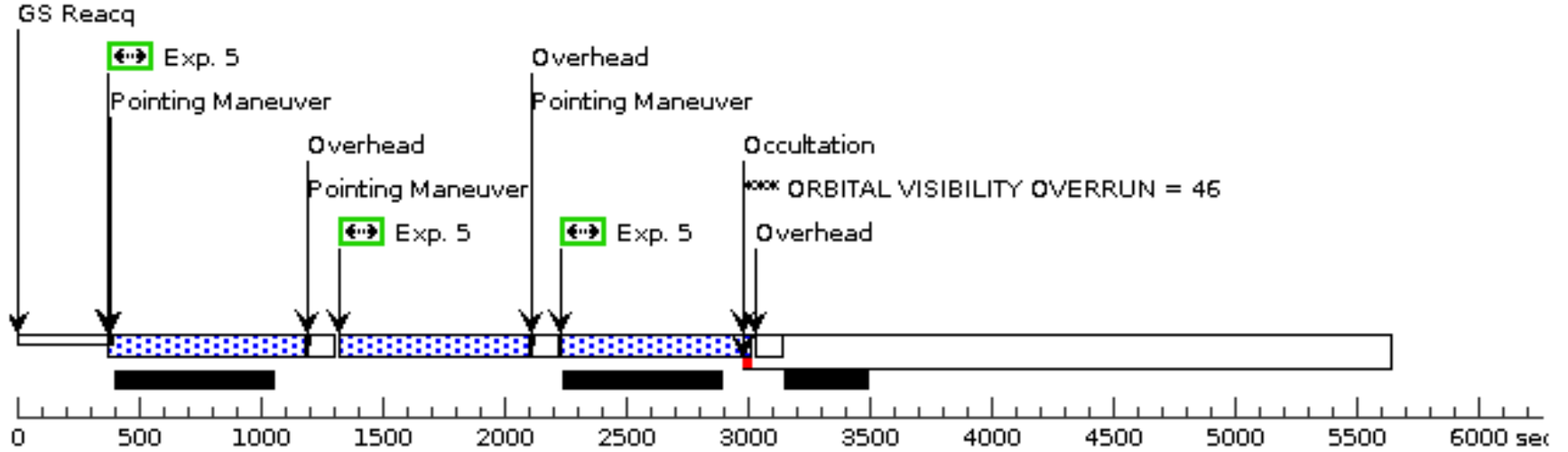
Orbit 4

Server Version: 20250929



Orbit 5

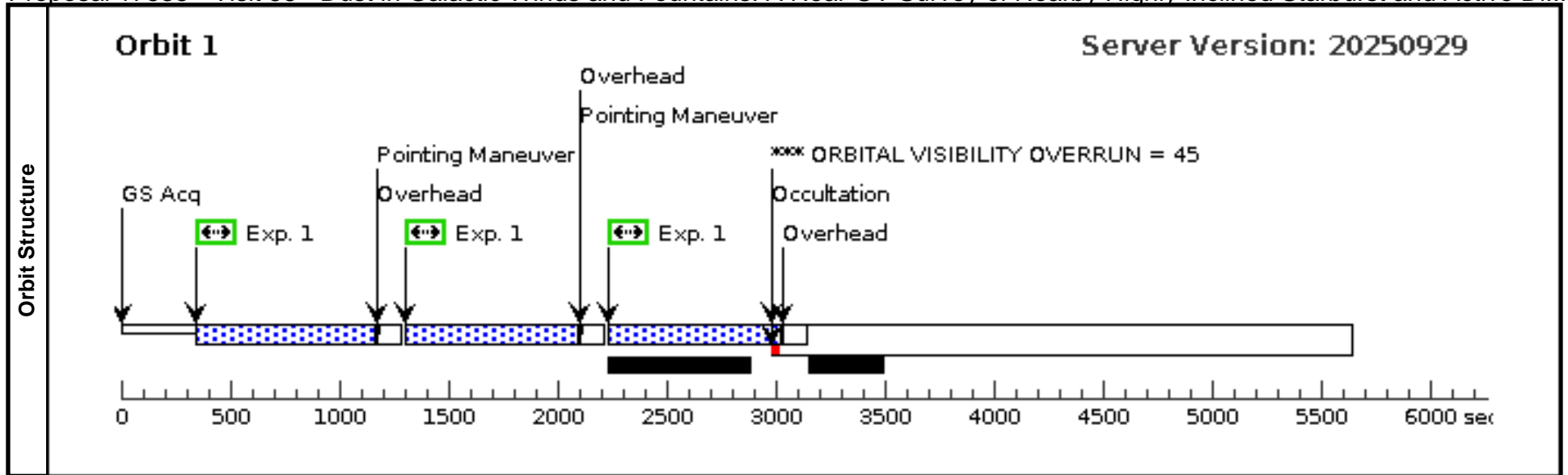
Server Version: 20250929



Proposal 17535 - Visit 58 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:28 GMT 2026

Visit	Proposal 17535, Visit 58, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 208D TO 228 D; ORIENT 294D TO 314 D; ORIENT 28D TO 48 D; ORIENT 114D TO 134 D										
	(Visit 58) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2.414 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	NGC-4631	RA: 12 42 8.0090 (190.5333708d) Dec: +32 32 29.44 (32.54151d) Equinox: J2000		Epoch of Position: 2015.5		V=9.19		Reference Frame: SIMBAD		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(WFC3UVI S.im.185274 5)	(8) NGC-4631	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 1-1 i n Visit 58 (2)	828 Secs (2370 Secs) [==>790.0 Secs (Pattern 1)] [==>790.0 Secs (Pattern 2)] [==>790.0 Secs (Pattern 3)]		[1]



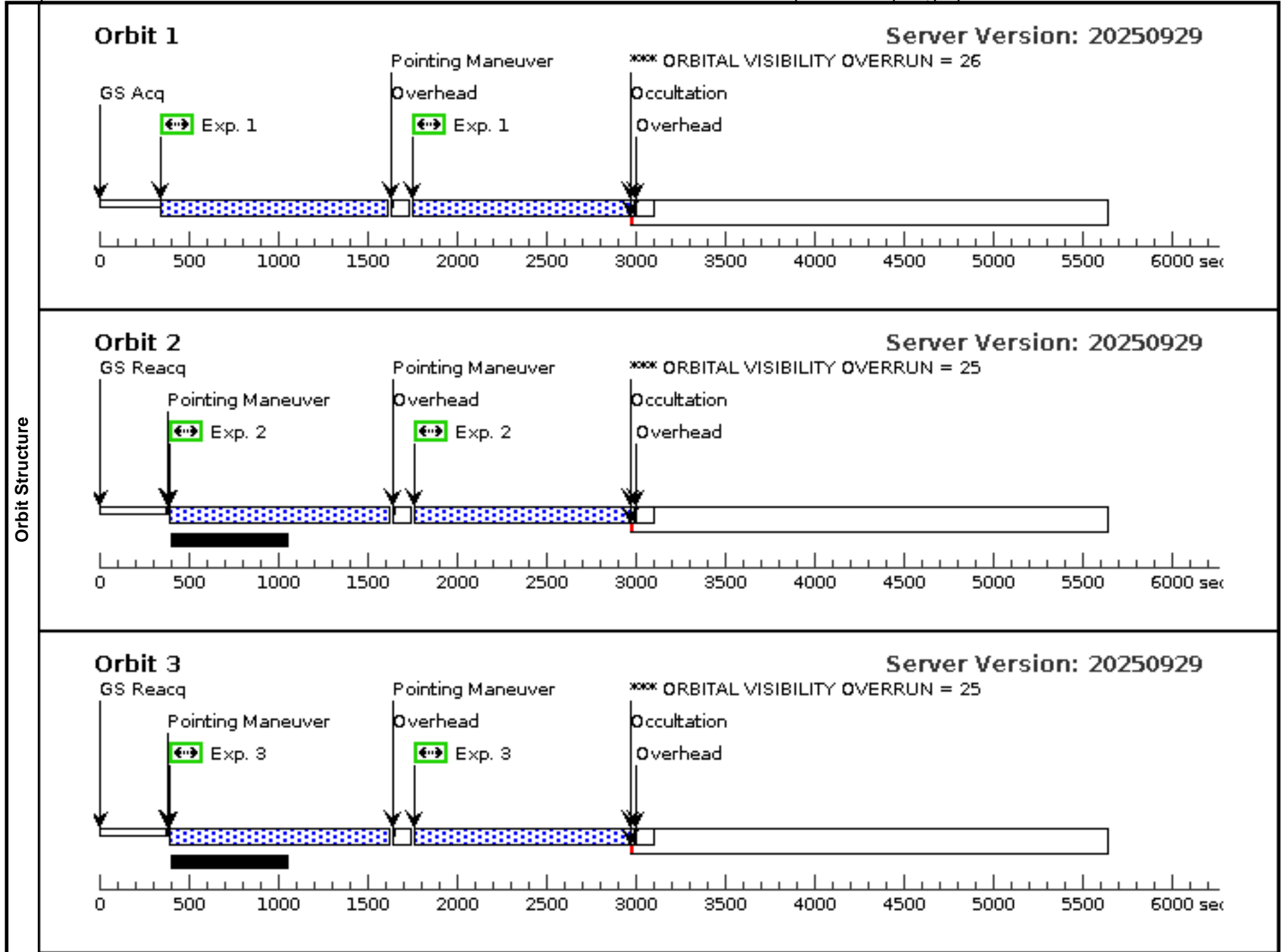
Proposal 17535 - Visit 09 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:28 GMT 2026

Visit	Proposal 17535, Visit 09, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 144D TO 204 D; ORIENT 230D TO 290 D; ORIENT 324D TO 24 D; ORIENT 50D TO 110 D					
	(Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 09) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	NGC-4666	RA: 12 45 9.9260 (191.2913583d) Dec: -00 28 1.63 (-.46712d) Equinox: J2000	Epoch of Position: 2015.5	V=10.7	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Slight shifts of ~18" to the E and S to find guide stars Category=GALAXY Description=[STARBURST] Extended=YES						

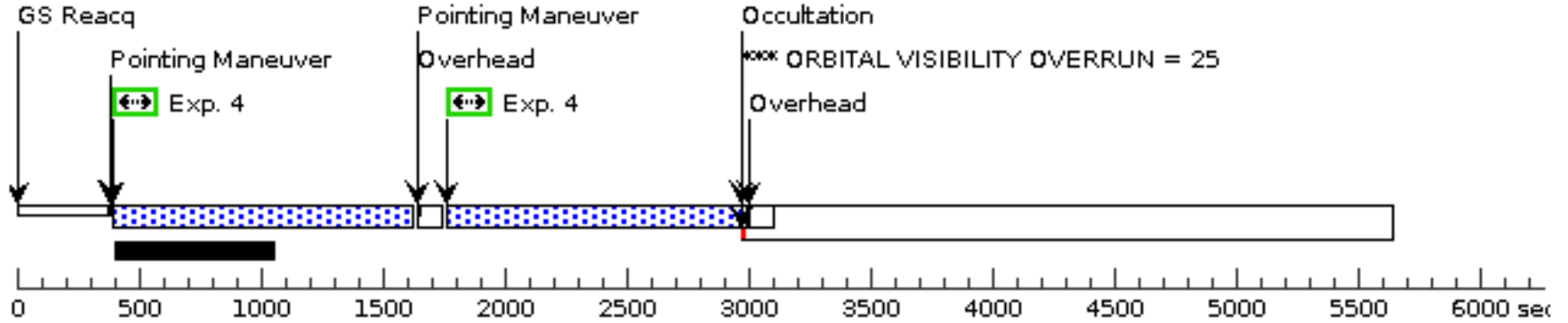
Proposal 17535 - Visit 09 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 09 (1)	1307 Secs (2486 Secs) [==>1243.0 Secs (Pattern 1)] [==>1243.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 09 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 09 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 09 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 09 (2)	820 Secs (2316 Secs) [==>772.0 Secs (Pattern 1)] [==>772.0 Secs (Pattern 2)] [==>772.0 Secs (Pattern 3)]	[5]



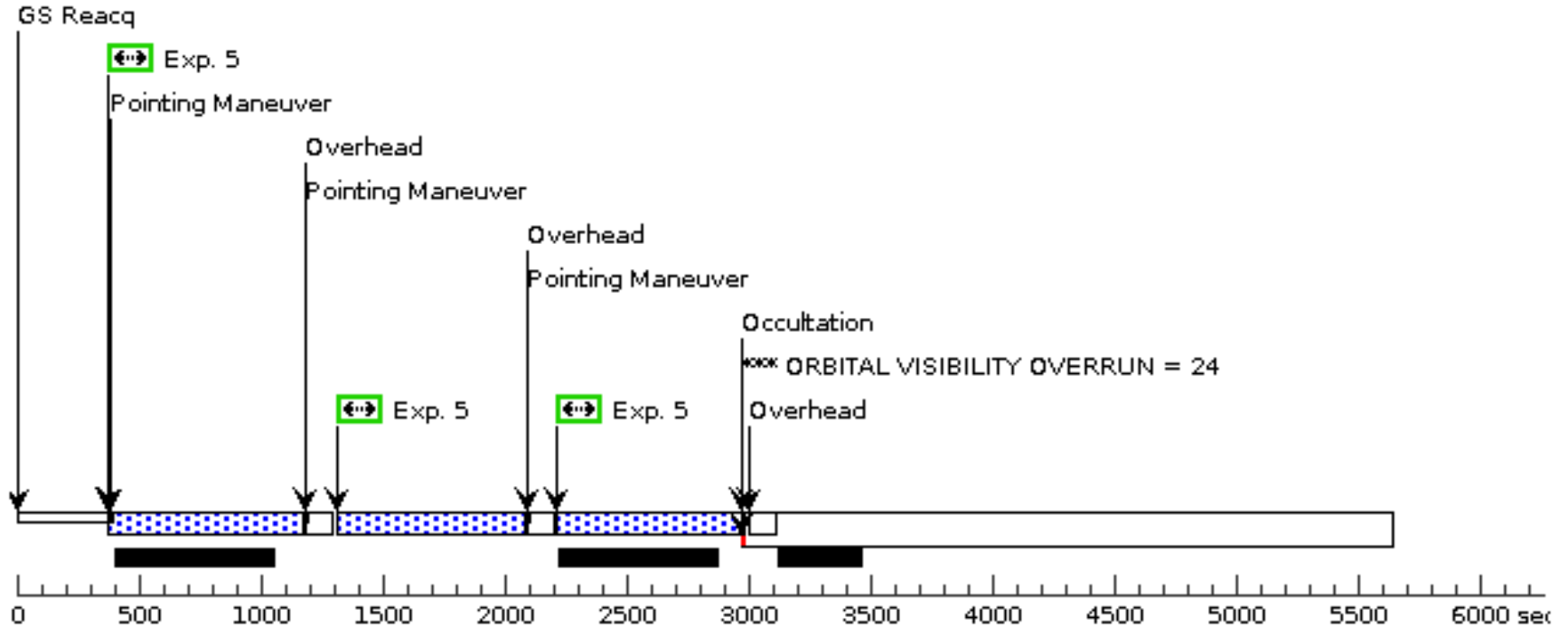
Orbit 4

Server Version: 20250929



Orbit 5

Server Version: 20250929



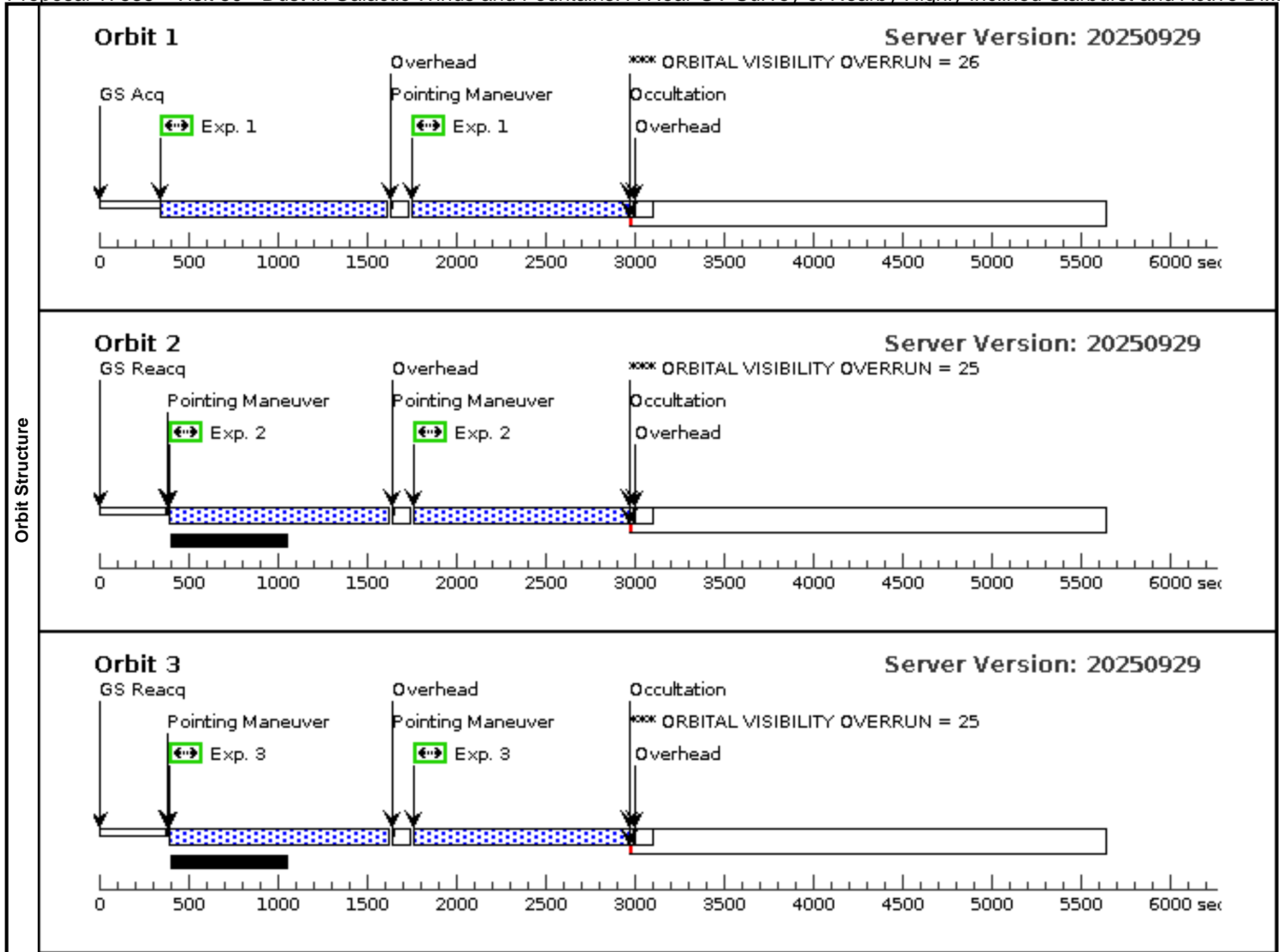
Proposal 17535 - Visit 59 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:28 GMT 2026

Visit	Proposal 17535, Visit 59, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 144D TO 204 D; ORIENT 230D TO 290 D; ORIENT 324D TO 24 D; ORIENT 50D TO 110 D <i>Comments: HOPR copy of visit 9</i>					
	Diagnosics (Visit 59) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 59) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 59) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 59) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 59) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	NGC-4666	RA: 12 45 9.9260 (191.2913583d) Dec: -00 28 1.63 (-.46712d) Equinox: J2000	Epoch of Position: 2015.5	V=10.7	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Slight shifts of ~18" to the E and S to find guide stars</i> Category=GALAXY Description=[STARBURST] Extended=YES						

Proposal 17535 - Visit 59 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

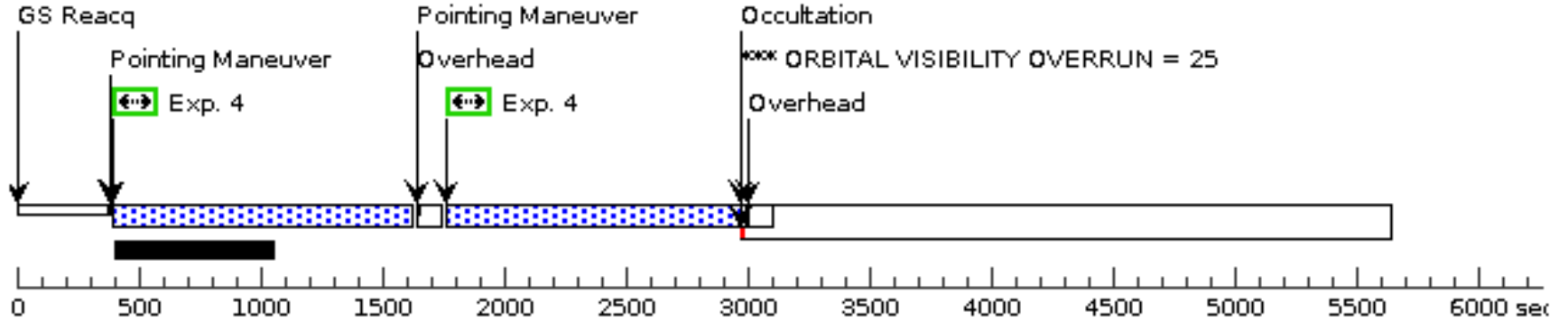
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 59 (1)	1307 Secs (2486 Secs) [==>1243.0 Secs (Pattern 1)] [==>1243.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 59 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 59 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 59 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 59 (2)	820 Secs (2316 Secs) [==>772.0 Secs (Pattern 1)] [==>772.0 Secs (Pattern 2)] [==>772.0 Secs (Pattern 3)]	[5]



Orbit Structure

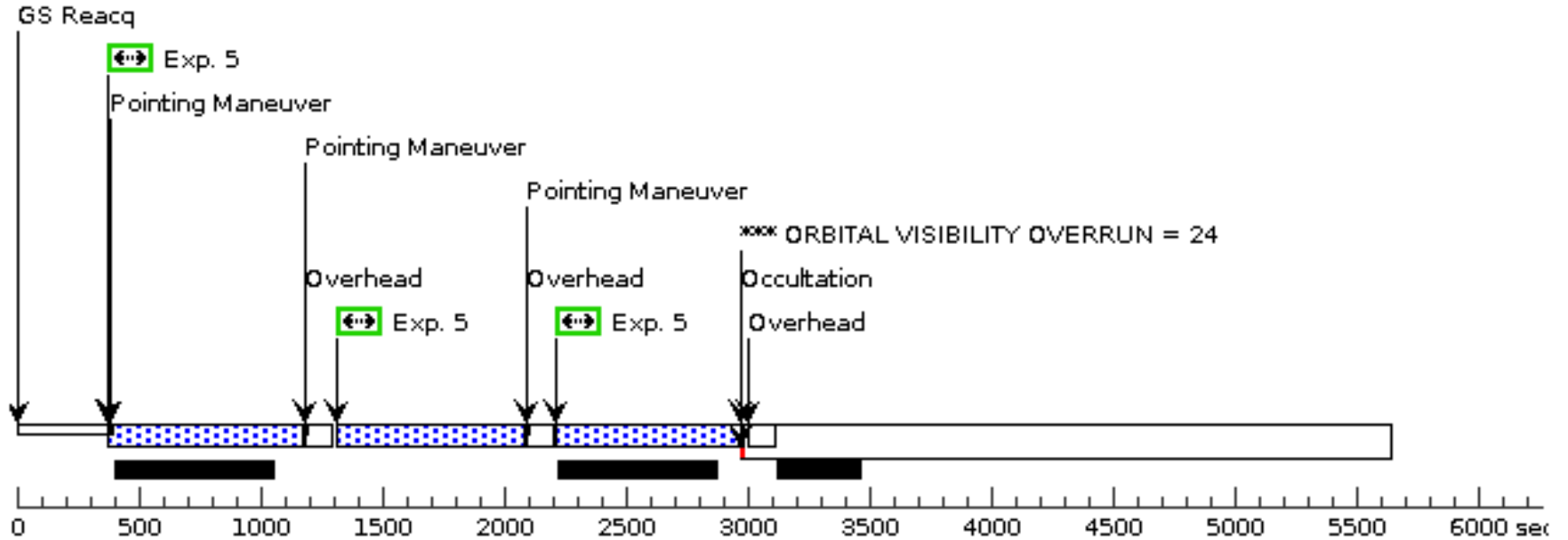
Orbit 4

Server Version: 20250929



Orbit 5

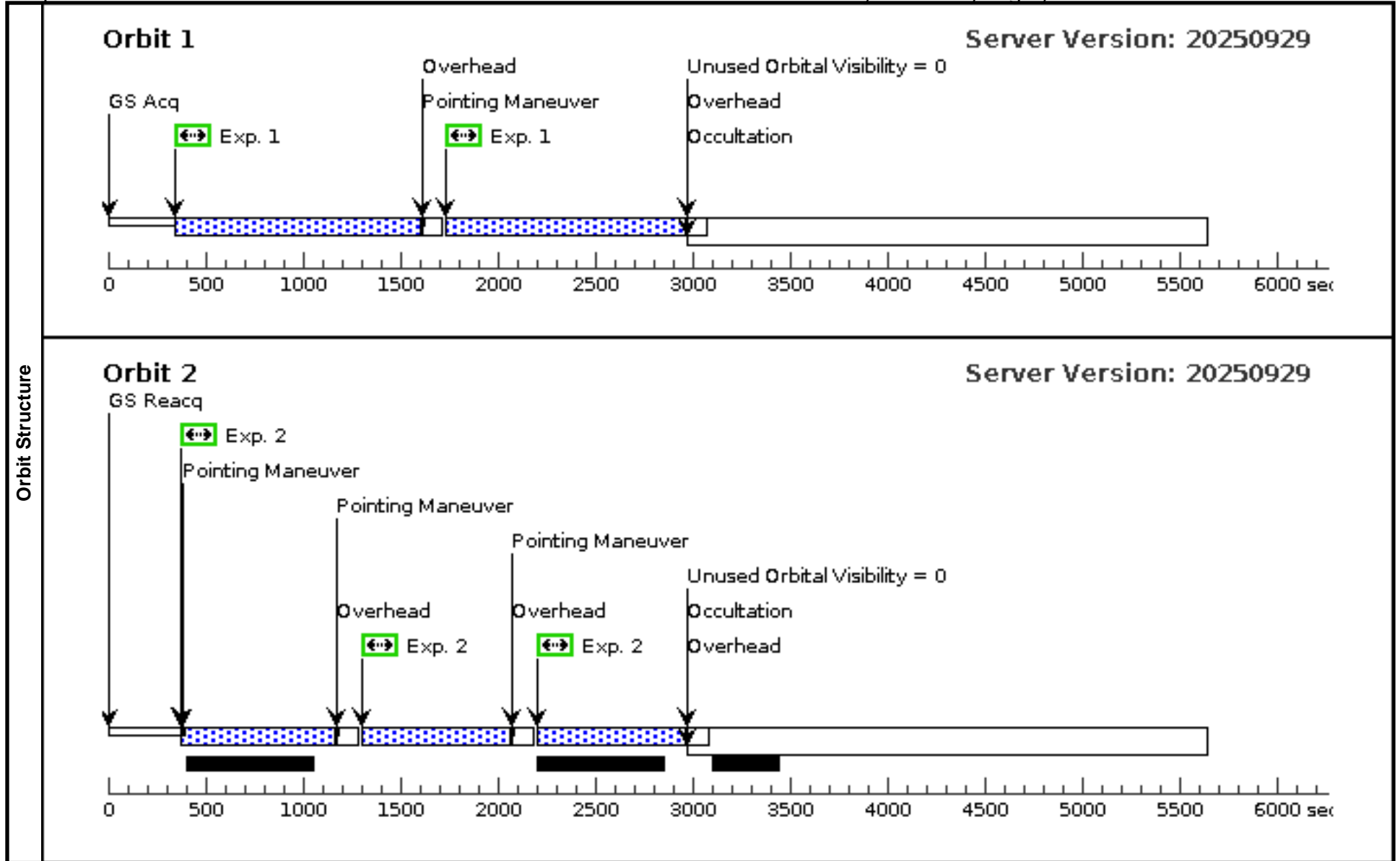
Server Version: 20250929



Proposal 17535 - Visit 64 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:28 GMT 2026

Visit	Proposal 17535, Visit 64 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 144D TO 204 D; ORIENT 230D TO 290 D; ORIENT 324D TO 24 D; ORIENT 50D TO 110 D Comments: HOPR copy of visit 59									
	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					(1)	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	NGC-4666	RA: 12 45 9.9260 (191.2913583d) Dec: -00 28 1.63 (-.46712d) Equinox: J2000	Epoch of Position: 2015.5	V=10.7	Reference Frame: SIMBAD				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Slight shifts of ~18" to the E and S to find guide stars Category=GALAXY Description=[STARBURST] Extended=YES									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 in Visit 64 (1)	1302 Secs (2460 Secs) [==>1230.0 Secs (Pattern 1)] [==>1230.0 Secs (Pattern 2)]	[1]
2	(WFC3UVI S.im.185274 5)	(9) NGC-4666	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 2-2 in Visit 64 (2)	820 Secs (2292 Secs) [==>764.0 Secs (Pattern 1)] [==>764.0 Secs (Pattern 2)] [==>764.0 Secs (Pattern 3)]	[2]	



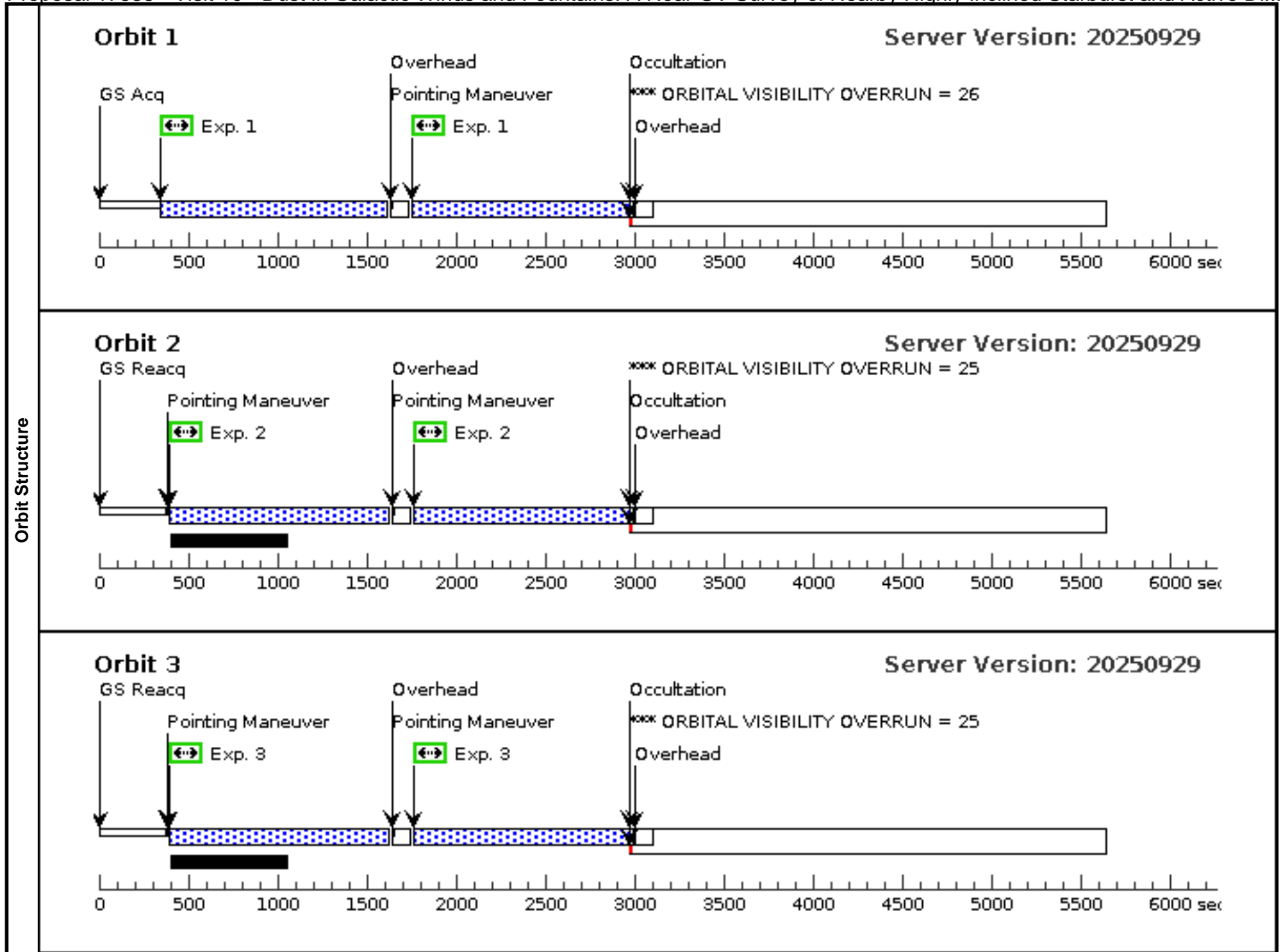
Proposal 17535 - Visit 10 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:28 GMT 2026

Visit	Proposal 17535, Visit 10, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 260D TO 320 D; ORIENT 166D TO 226 D; ORIENT 80D TO 140 D; ORIENT 346D TO 46 D					
	(Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) 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=		(1), (2), (3), (4)		
	(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=		(5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	NGC-5775	RA: 14 53 57.6530 (223.4902208d) Dec: +03 32 40.10 (3.54447d) Equinox: J2000	Epoch of Position: 2015.5	V=11.34	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES						

Proposal 17535 - Visit 10 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

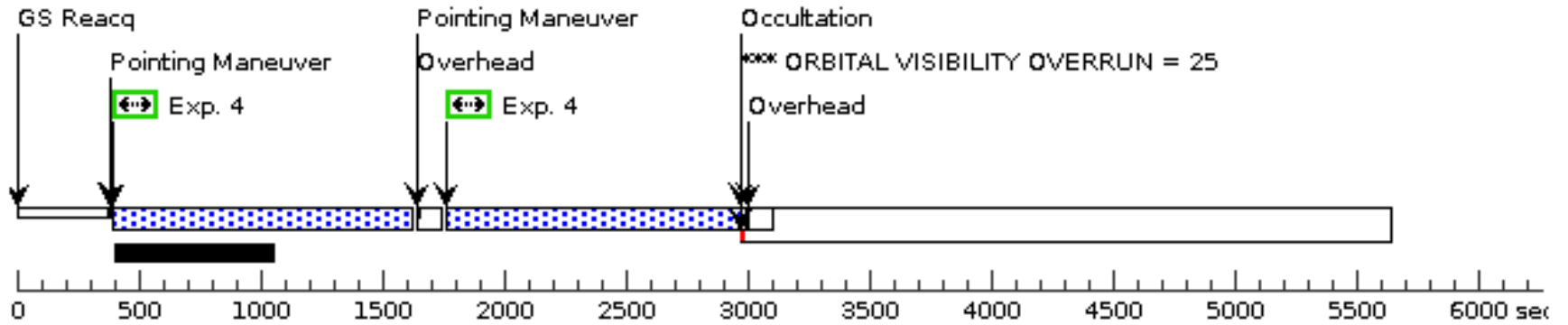
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(10) NGC-5775	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 i n Visit 10 (1)	1307 Secs (2486 Secs) [==>1243.0 Secs (Pattern 1)] [==>1243.0 Secs (Pattern 2)]	[1]
	2	(WFC3UVI S.im.188938 4)	(10) NGC-5775	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 2-2 i n Visit 10 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[2]
	3	(WFC3UVI S.im.188938 4)	(10) NGC-5775	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 3-3 i n Visit 10 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[3]
	4	(WFC3UVI S.im.188938 4)	(10) NGC-5775	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 4-4 i n Visit 10 (1)	1302 Secs (2462 Secs) [==>1231.0 Secs (Pattern 1)] [==>1231.0 Secs (Pattern 2)]	[4]
	5	(WFC3UVI S.im.185274 5)	(10) NGC-5775	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 5-5 i n Visit 10 (2)	820 Secs (2316 Secs) [==>772.0 Secs (Pattern 1)] [==>772.0 Secs (Pattern 2)] [==>772.0 Secs (Pattern 3)]	[5]



Orbit Structure

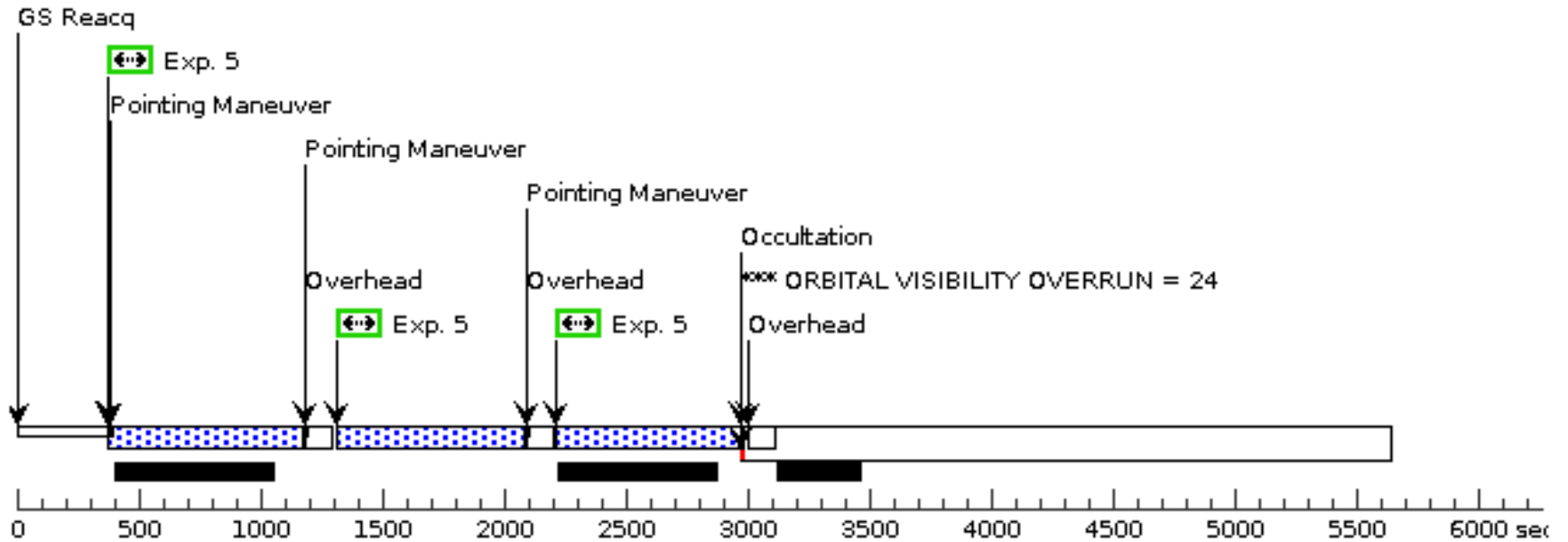
Orbit 4

Server Version: 20250929



Orbit 5

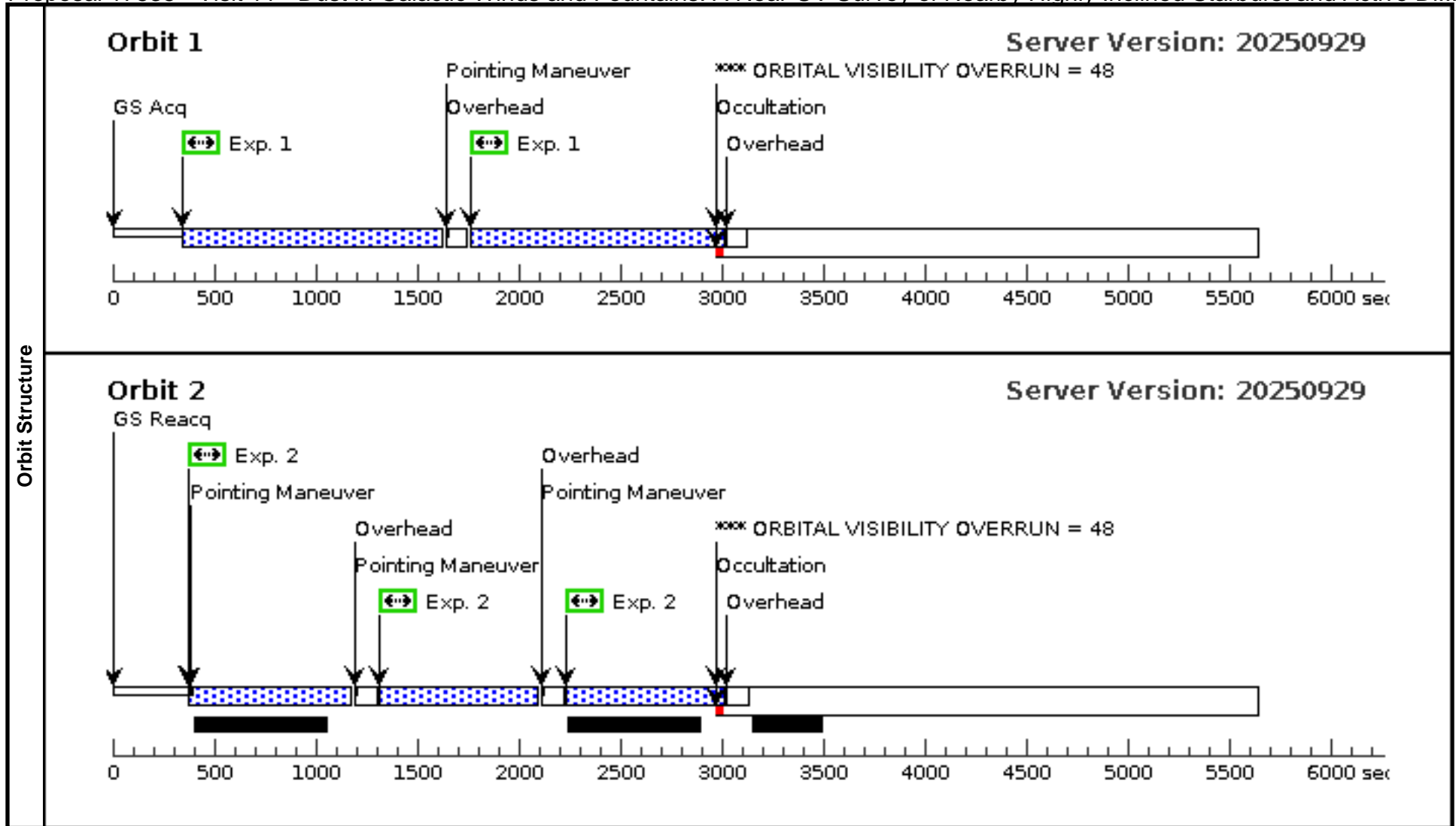
Server Version: 20250929



Proposal 17535 - Visit 11 - Dust in Galactic Winds and Fountains: A Near-UV Survey of Nearby Highly Inclined Starburst and Active Di...

Wed Apr 08 17:00:28 GMT 2026

Visit	Proposal 17535, Visit 11, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 230D TO 250 D; ORIENT 316D TO 336 D; ORIENT 50D TO 70 D; ORIENT 136D TO 156 D										
	(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 11) 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=								(1)	
(2)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=85.759 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=true Point Spacing=2.414 Line Spacing=								(2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	NGC-1482	RA: 03 54 38.9280 (58.6622000d) Dec: -20 30 8.82 (-20.50245d) Equinox: J2000		Epoch of Position: 2015.5		V=12.15		Reference Frame: SIMBAD		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STARBURST] Extended=YES											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(WFC3UVI S.im.188938 4)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 in Visit 11 (1)	1308 Secs (2508 Secs)		
									[=>1254.0 Secs (Pattern 1)]		[1]
									[=>1254.0 Secs (Pattern 2)]		
2	(WFC3UVI S.im.185274 5)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=16		Pattern 2, Exps 2-2 in Visit 11 (2)	821 Secs (2340 Secs)			
									[=>780.0 Secs (Pattern 1)]		[2]
									[=>780.0 Secs (Pattern 2)]		
									[=>780.0 Secs (Pattern 3)]		



Visit	Proposal 17535, Visit 61, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 230D TO 250 D; ORIENT 316D TO 336 D; ORIENT 50D TO 70 D; ORIENT 136D TO 156 D
	(Visit 61) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Diagnosics	(Visit 61) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
-------------------	--

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=		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC-1482	RA: 03 54 38.9280 (58.6622000d) Dec: -20 30 8.82 (-20.50245d) Equinox: J2000	Epoch of Position: 2015.5	V=12.15	Reference Frame: SIMBAD

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
 Category=GALAXY
 Description=[STARBURST]
 Extended=YES*

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(WFC3UVI S.im.188938 4)	(4) NGC-1482	WFC3/UVIS, ACCUM, UVIS	F225W	FLASH=14		Pattern 1, Exps 1-1 in Visit 61 (1)	1308 Secs (2508 Secs) [==>1254.0 Secs (Pattern 1)] [==>1254.0 Secs (Pattern 2)]	[1]

