



18360 - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Cycle: 34, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

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Prof. Luka C. Popovic (CoI)	Astronomical Observatory Belgrade
Dragana Ilic (CoI)	University of Belgrade
Dr. Joseph Masiero (CoI)	California Institute of Technology
Prof. Andjelka Kovacevic (CoI)	University of Belgrade
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Philip Edwards (CoI)	Australia Telescope National Facility, CSIRO
Dr. Shu Wang (CoI) (ESA Member)	University of Southampton
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Dr. Paula Sanchez Saez (CoI) (ESA Member)	European Southern Observatory - Germany

VISITS

Proposal 18360 (STScI Edit Number: 0, Created: Sunday, September 20, 2026, 2:01:13AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
01	(1) RGG2013-123	STIS/CCD	2	20-Sep-2026 03:00:59.0	yes
02	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:00:59.0	yes
03	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:00.0	yes
04	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:00.0	yes
05	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:01.0	yes
06	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:01.0	yes
07	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:02.0	yes
08	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:02.0	yes
09	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:02.0	yes
10	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:03.0	yes
11	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:03.0	yes
12	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:04.0	yes
13	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:04.0	yes
14	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:05.0	yes
15	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:05.0	yes
16	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:06.0	yes
17	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:06.0	yes
18	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:07.0	yes
19	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:07.0	yes
20	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:07.0	yes
21	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:08.0	yes
22	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:08.0	yes
23	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:09.0	yes
24	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:09.0	yes
25	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:10.0	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>
26	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:10.0	yes
27	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:11.0	yes
28	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:11.0	yes
29	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:12.0	yes
30	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:12.0	yes
31	(1) RGG2013-123	WFC3/UVIS	1	20-Sep-2026 03:01:13.0	yes

32 Total Orbits Used

ABSTRACT

We propose a dedicated photometric reverberation mapping (RM) campaign targeting an intermediate-mass black hole (IMBH) using HST/WFC3 in a 30-day monitoring program. By conducting broad Balmer line RM of a nearby IMBH candidate with a single-epoch BH mass estimate of around 30,000 solar mass, we aim to accurately measure its mass and confirm its IMBH nature. If successful, this would be the second IMBH confirmed via RM, and potentially the lowest-mass BH measured by this method. This campaign will demonstrate HST's unique capability to conduct RM for IMBHs with weak variability and short time lags, serving as a critical proof of concept for future space-based RM efforts.

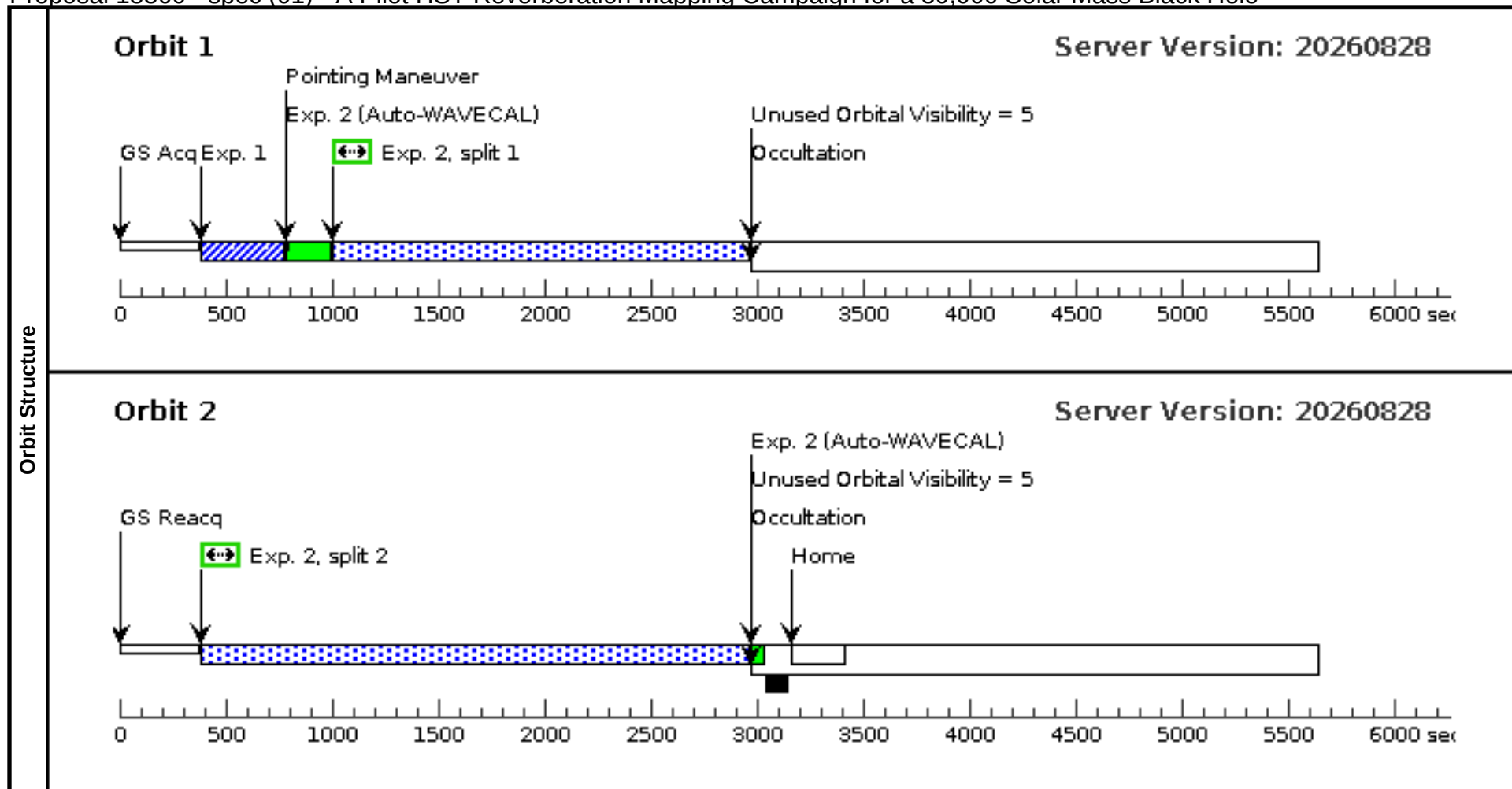
OBSERVING DESCRIPTION

We request 30 epochs of WFC3/UVIS imaging in three filters: F438W, F621M, and F673N, with exposure times of ~500, 600, and 1,200 seconds per epoch, respectively. Each epoch fits within a single orbit, including all overheads. We also request a two-orbit STIS/G750M spectroscopic visit, with a total exposure time of ~4500 seconds and a spectral resolution of approximately 5,000, to measure the contemporaneous H-alpha line width with a signal-to-noise ratio greater than 10. The program therefore requires 32 orbits in total.

We request a nominal cadence of one epoch per day, with a tolerance of plus or minus 12 hours, over the 30-epoch monitoring campaign. According to the Phase II visibility tool, the target is observable between January 9 and April 27, 2027. If uninterrupted daily monitoring is difficult to schedule, one or two short gaps of 1 to 2 days would remain acceptable and should not significantly affect the lag measurement.

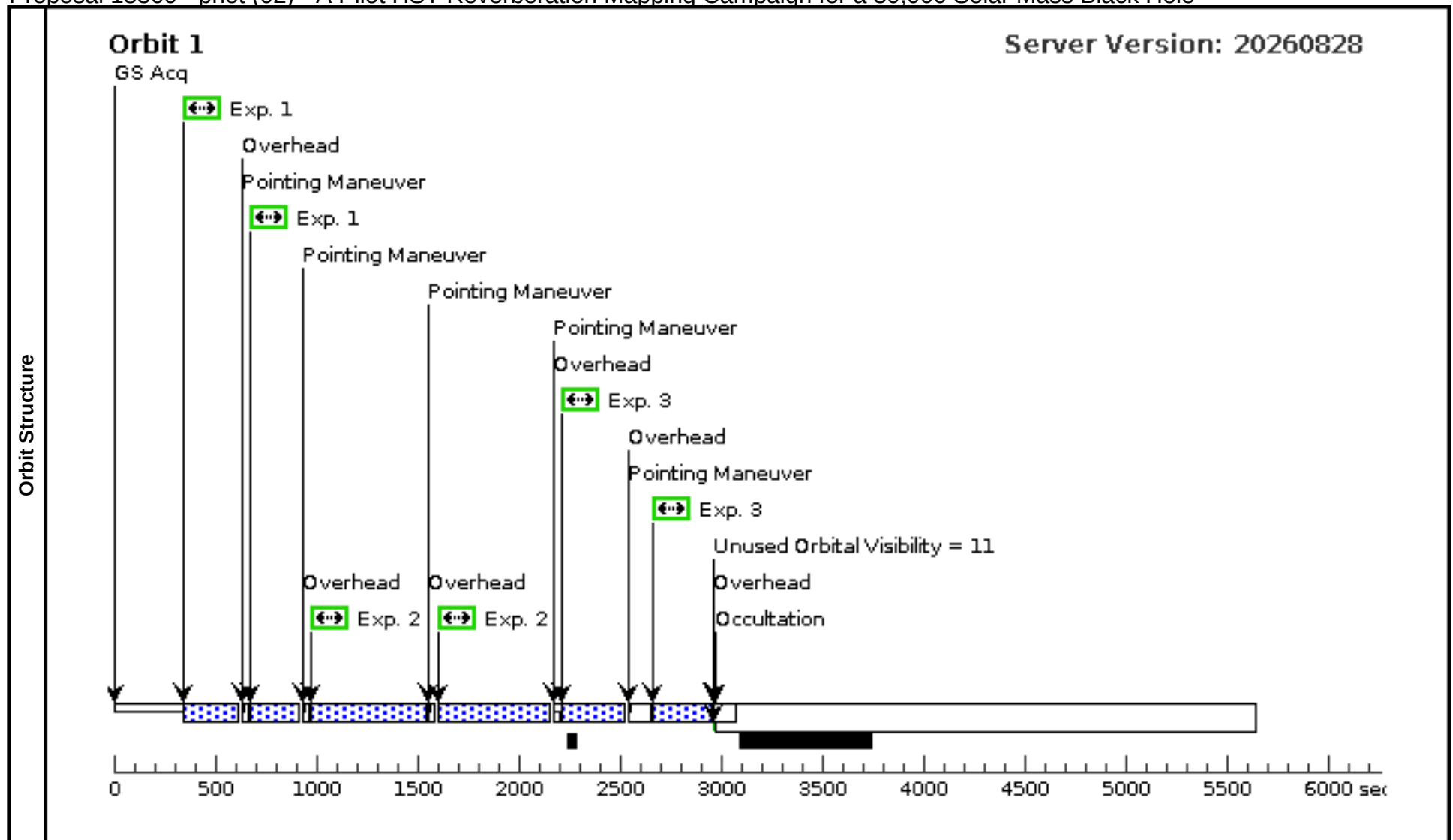
Proposal 18360 - spec (01) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, spec (01), implementation								Sun Sep 20 07:01:13 GMT 2026	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD									
	Special Requirements: BEFORE 26-APR-2027:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000	Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.									
	Category=GALAXY Description=[SEYFERT]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) RGG2013-123	STIS/CCD, ACQ, F28X50LP	MIRROR				40 Secs (40 Secs)	
									[==>]	[1]
	2		(1) RGG2013-123	STIS/CCD, ACCUM, 52X0.2	G750M				4474 Secs (4464 Secs)	
					6768 A				[==>1920.0 Secs (Split 1)]	[1]
									[==>2544.0 Secs (Split 2)]	[2]



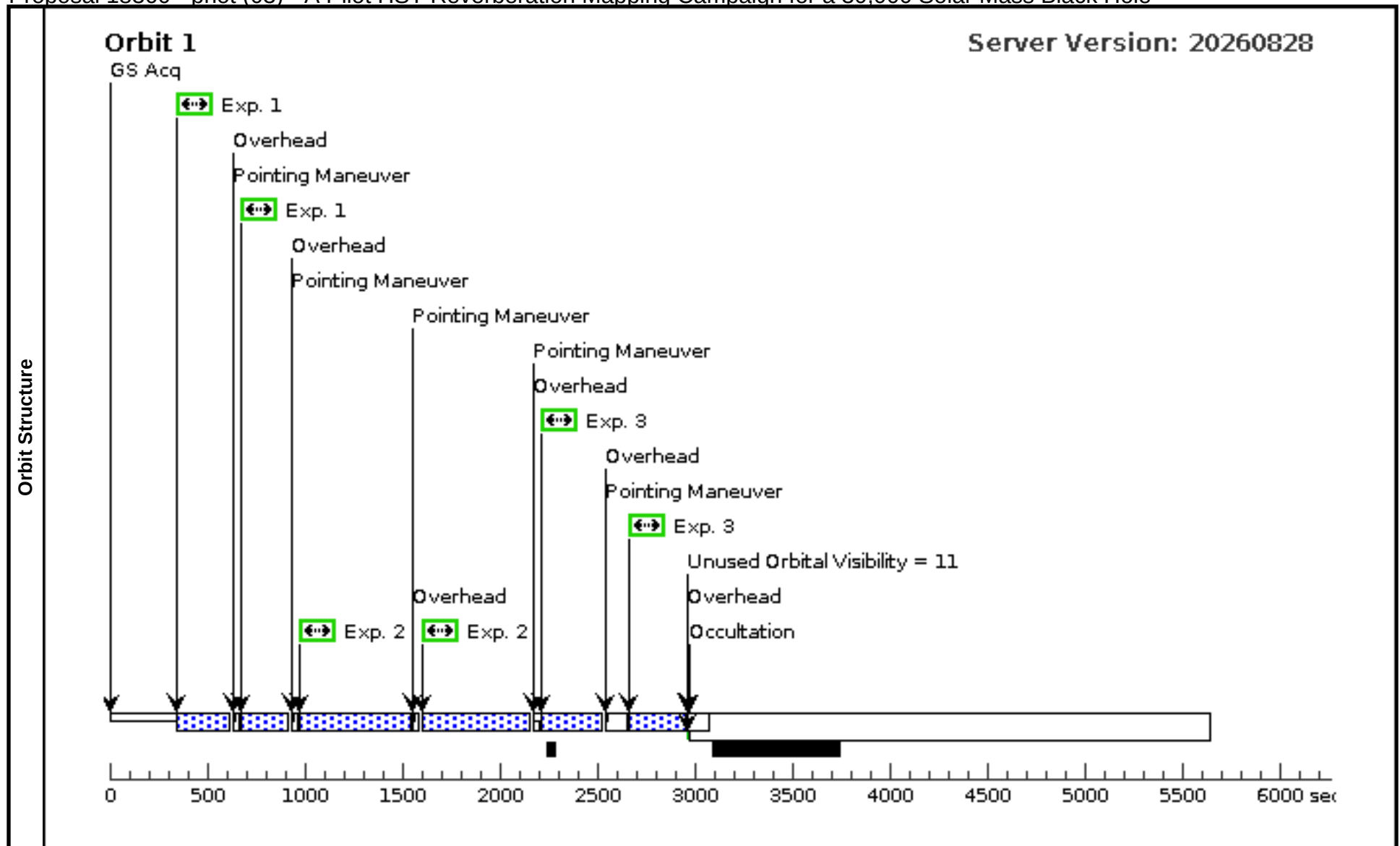
Proposal 18360 - phot (02) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (02), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; BEFORE 01-MAR-2027:00:00:00										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (02) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (02) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (02) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



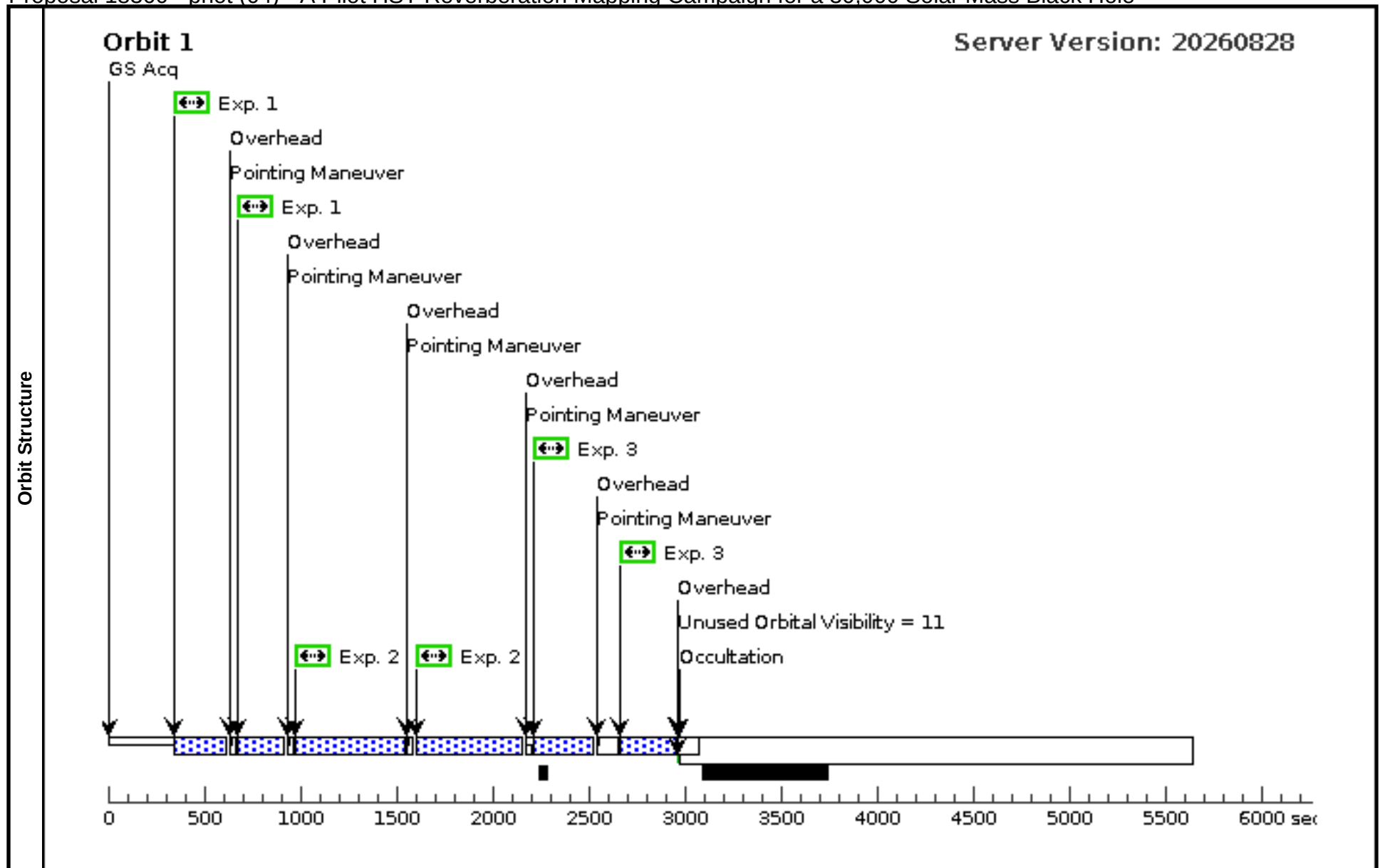
Proposal 18360 - phot (03) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (03), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 02 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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								(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (03) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (03) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (03) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



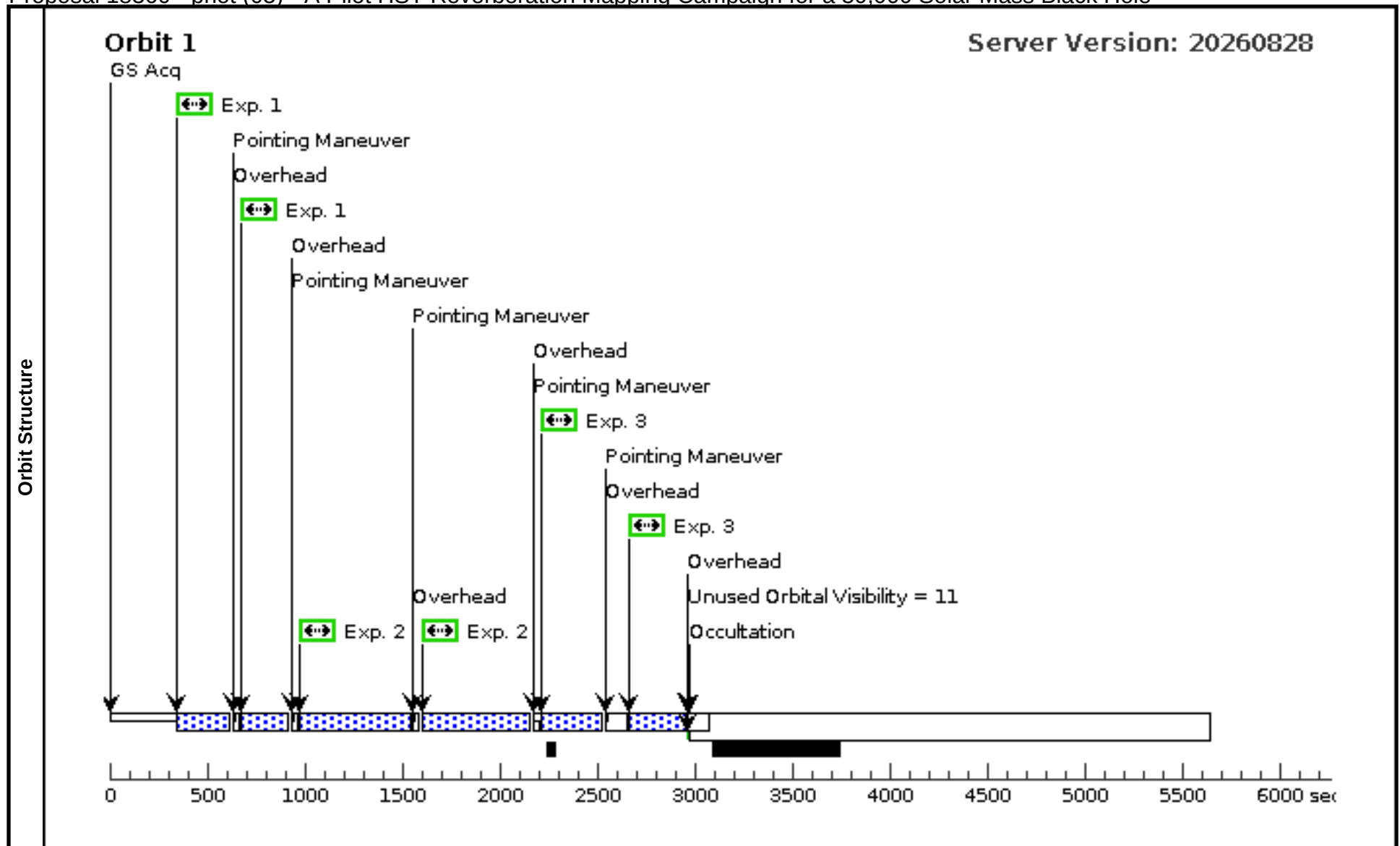
Proposal 18360 - phot (04) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (04), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 03 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (04) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (04) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 in phot (04) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



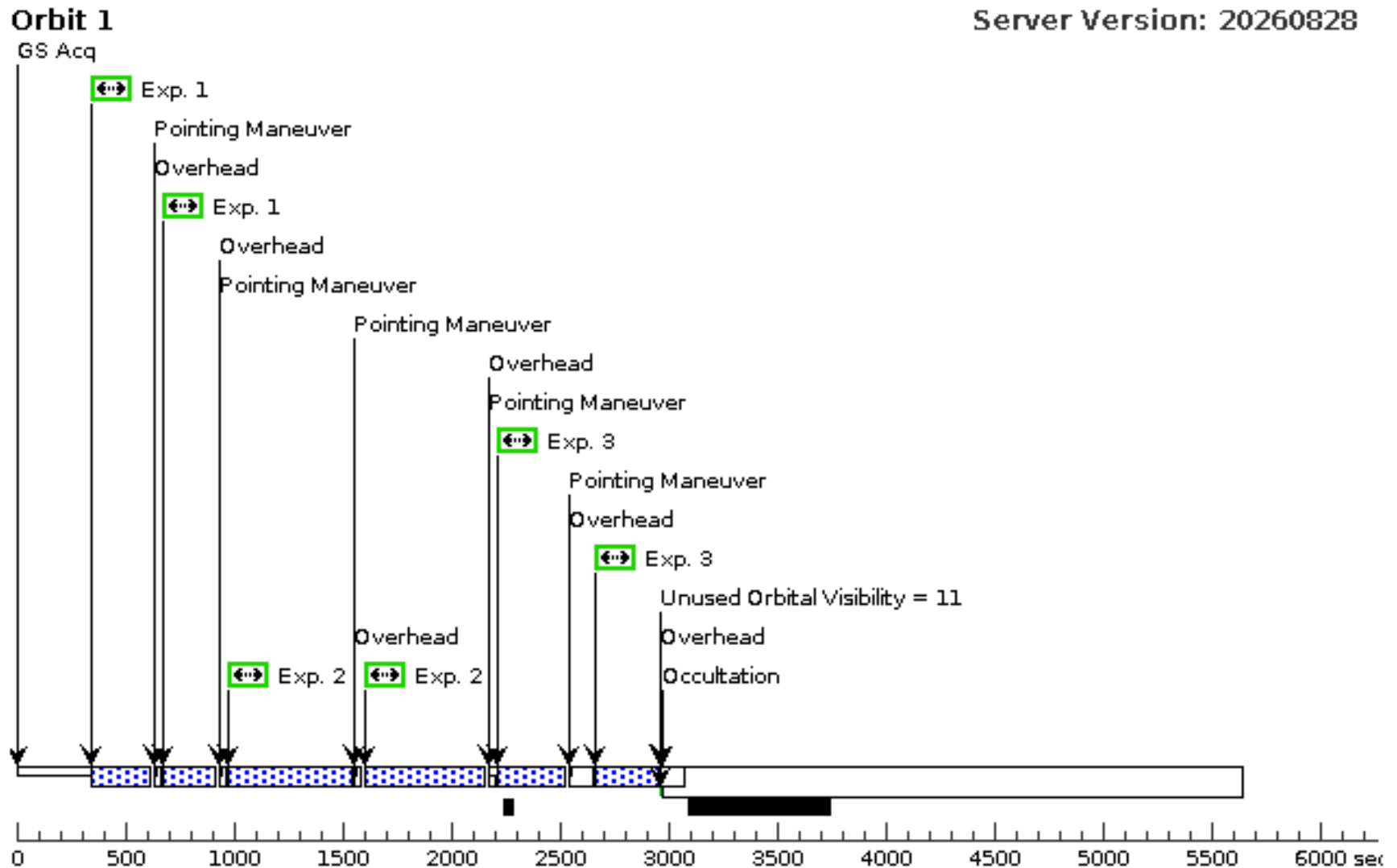
Proposal 18360 - phot (05) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (05), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 04 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (05) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (05) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (05) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



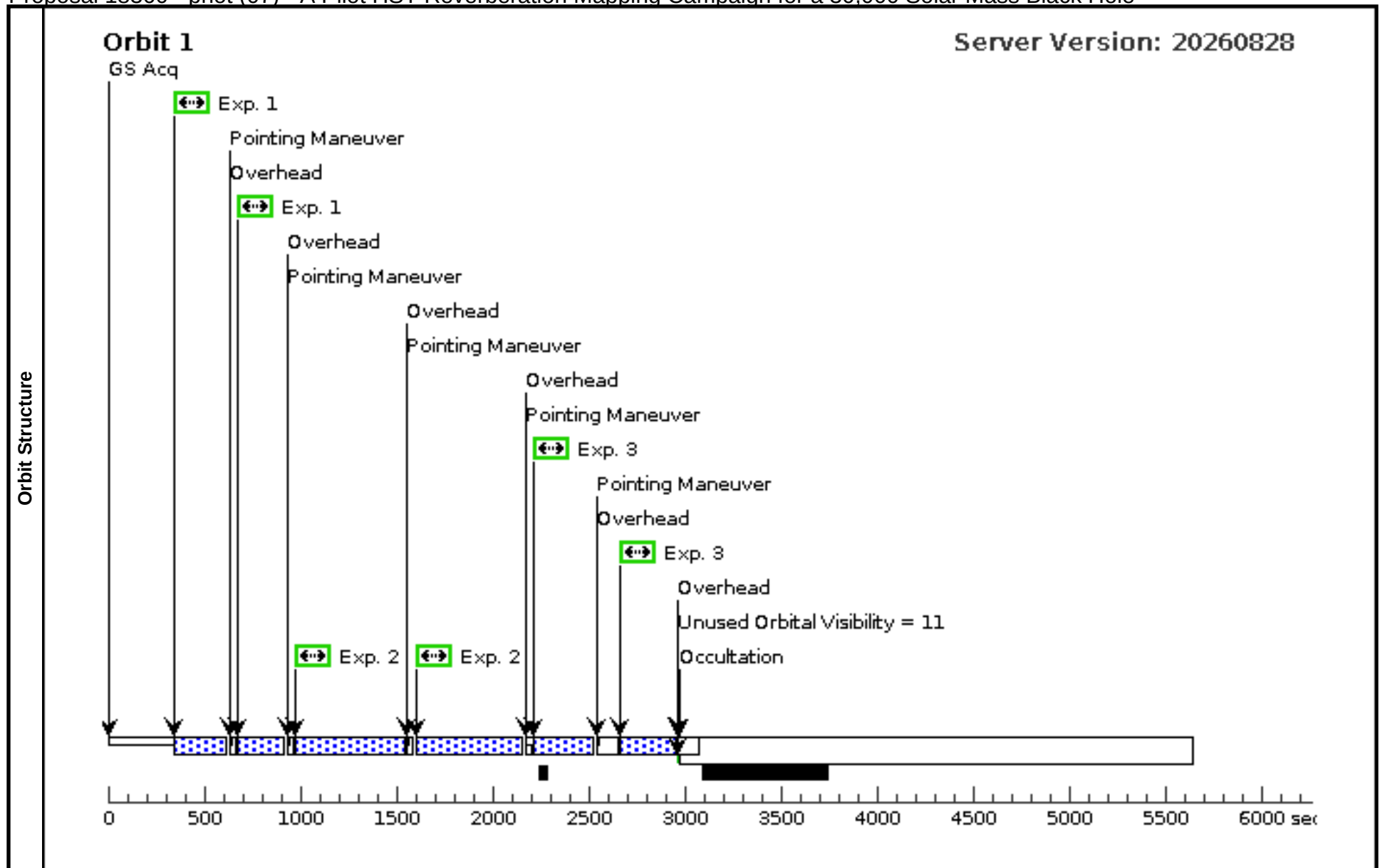
Proposal 18360 - phot (06) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (06), implementation										Sun Sep 20 07:01:13 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 05 BY 12 H TO 36 H												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	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)	
	(2)	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										(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (06) (1)	245 Secs (490 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (06) (1)	555 Secs (1110 Secs)				
									[==>(Pattern 1)]		[1]		
								[==>(Pattern 2)]					
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (06) (2)	290 Secs (580 Secs)					
								[==>(Pattern 1)]		[1]			
								[==>(Pattern 2)]					



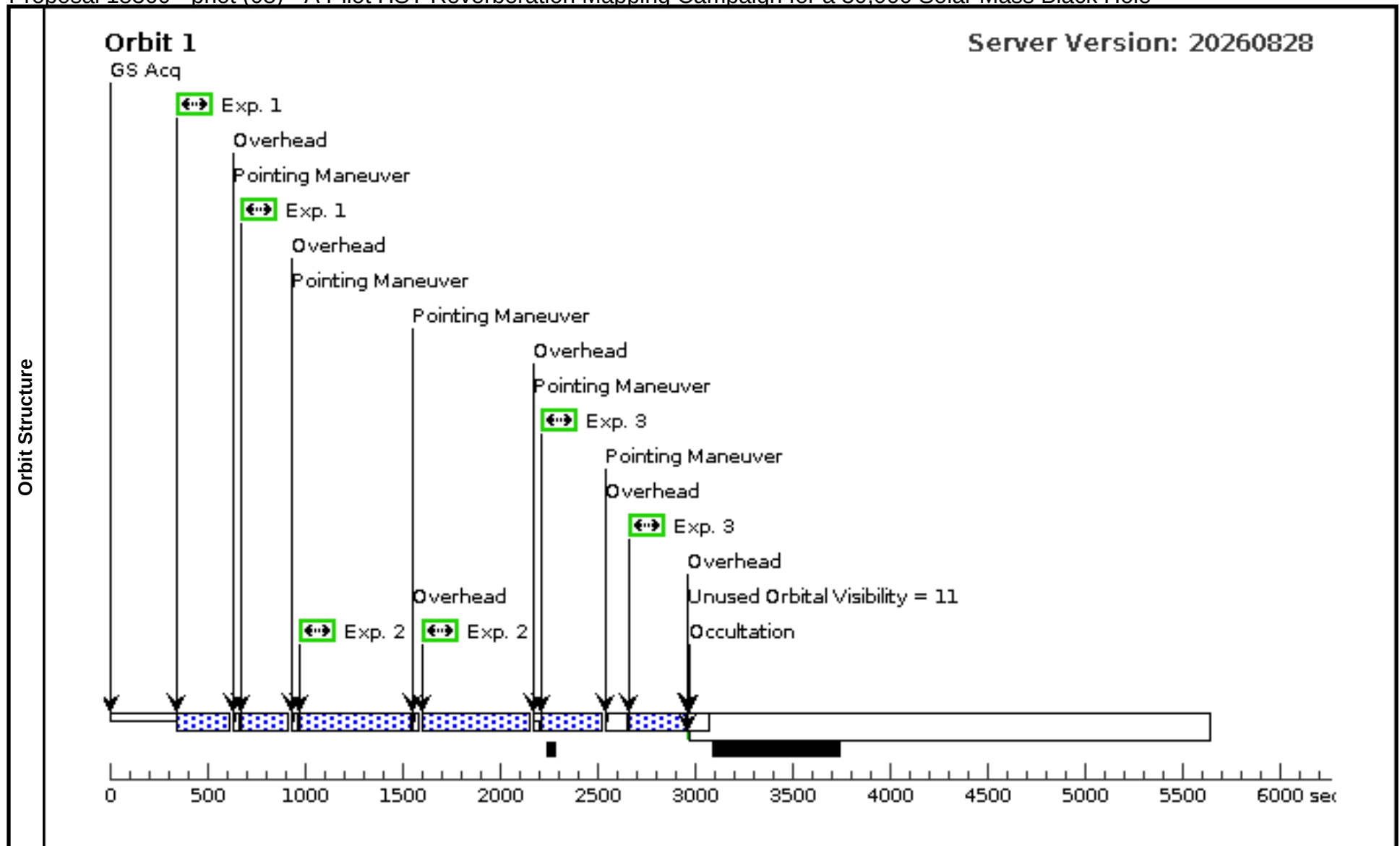
Proposal 18360 - phot (07) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (07), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 06 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (07) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (07) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 i n phot (07) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



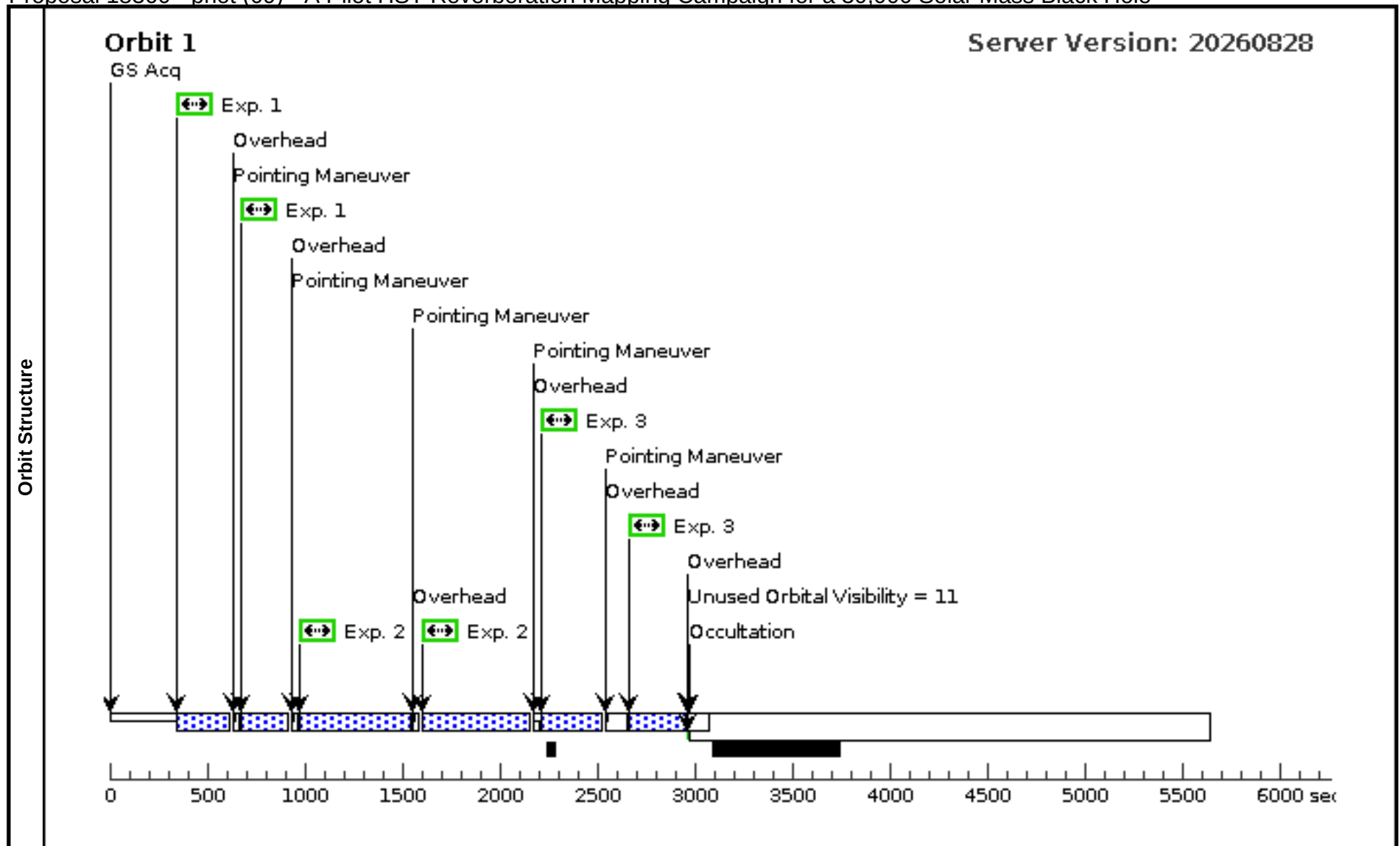
Proposal 18360 - phot (08) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (08), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 07 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (08) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (08) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 in phot (08) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



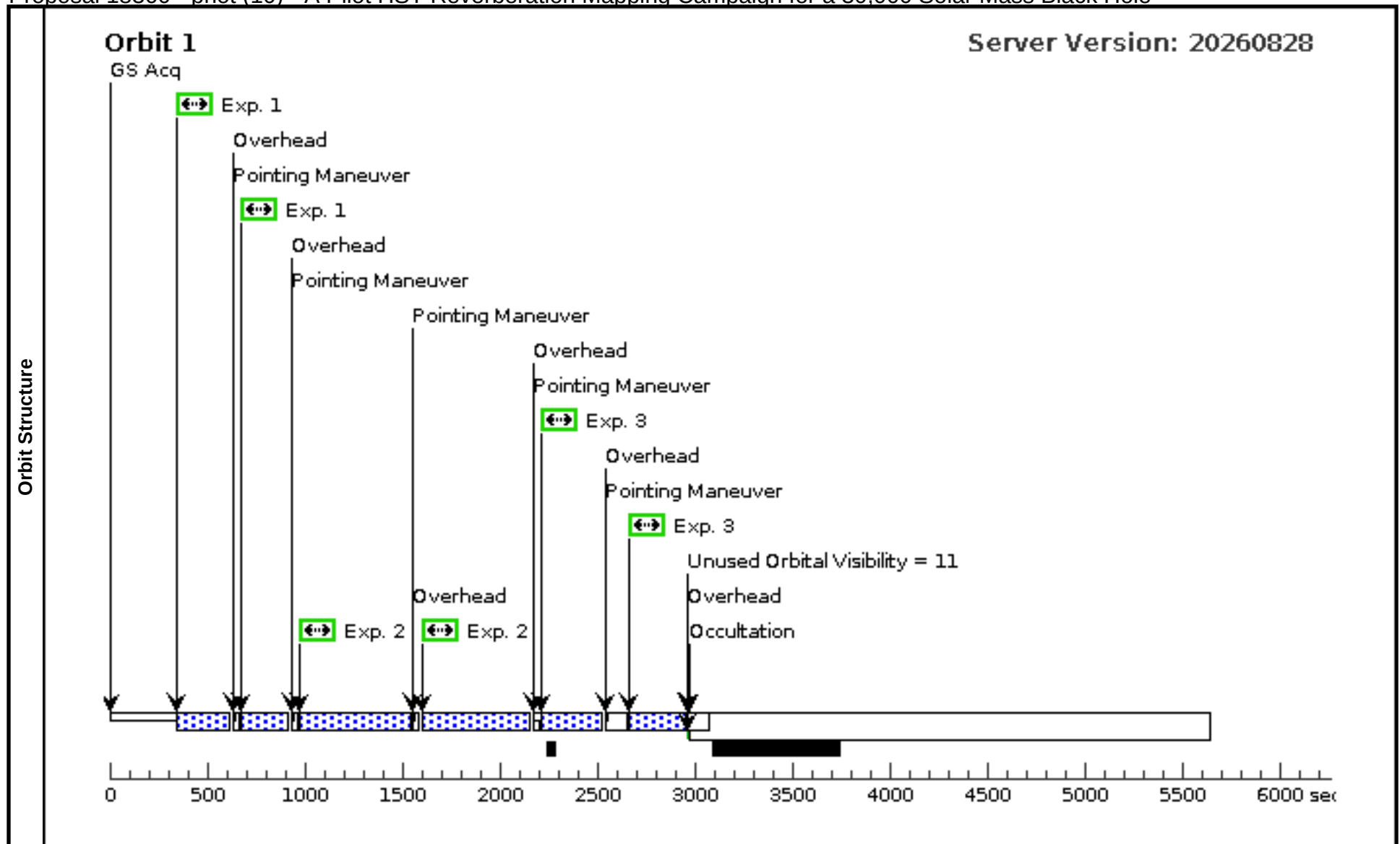
Proposal 18360 - phot (09) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (09), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 08 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (09) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (09) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 in phot (09) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



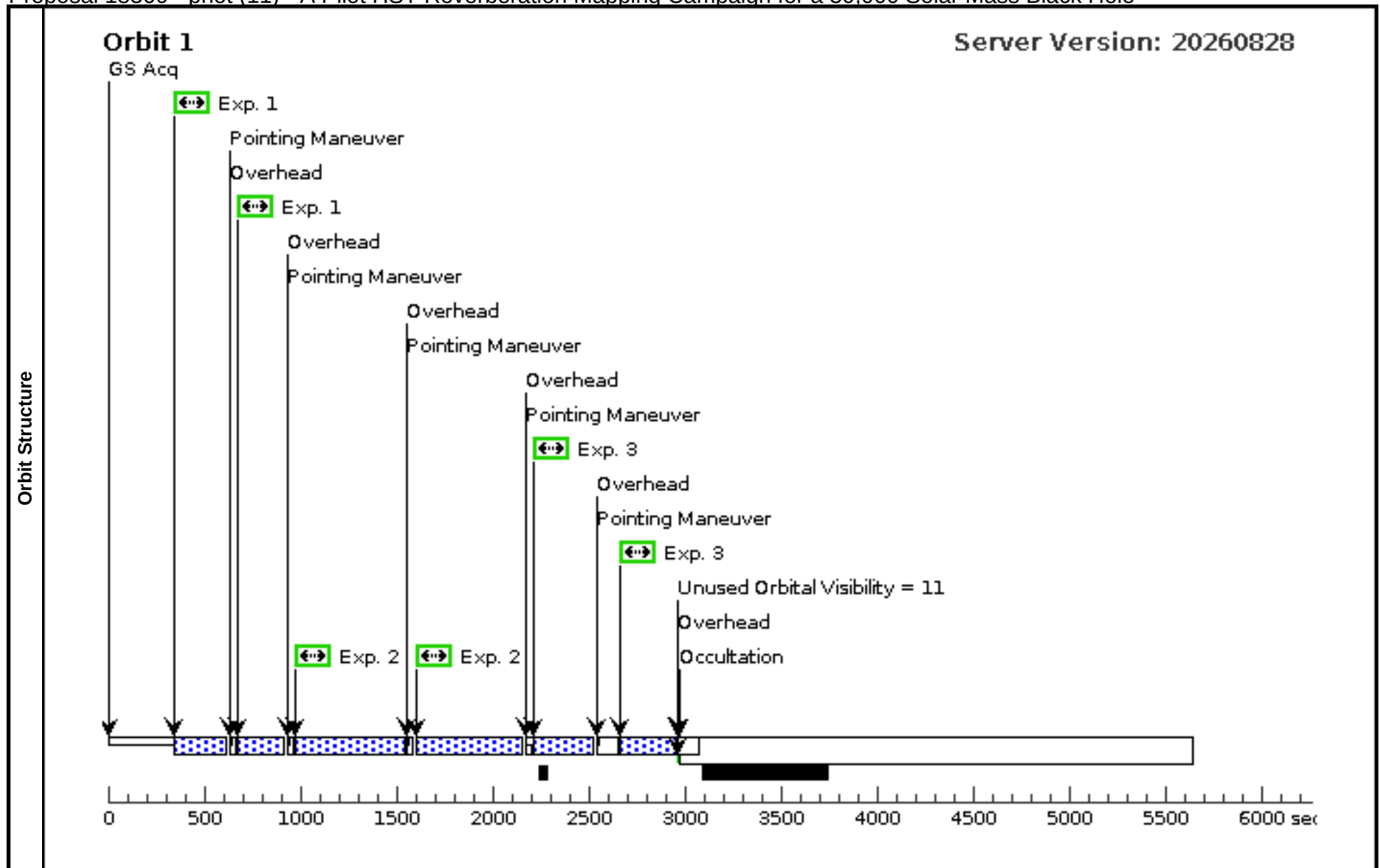
Proposal 18360 - phot (10) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (10), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 09 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (10) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (10) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (10) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



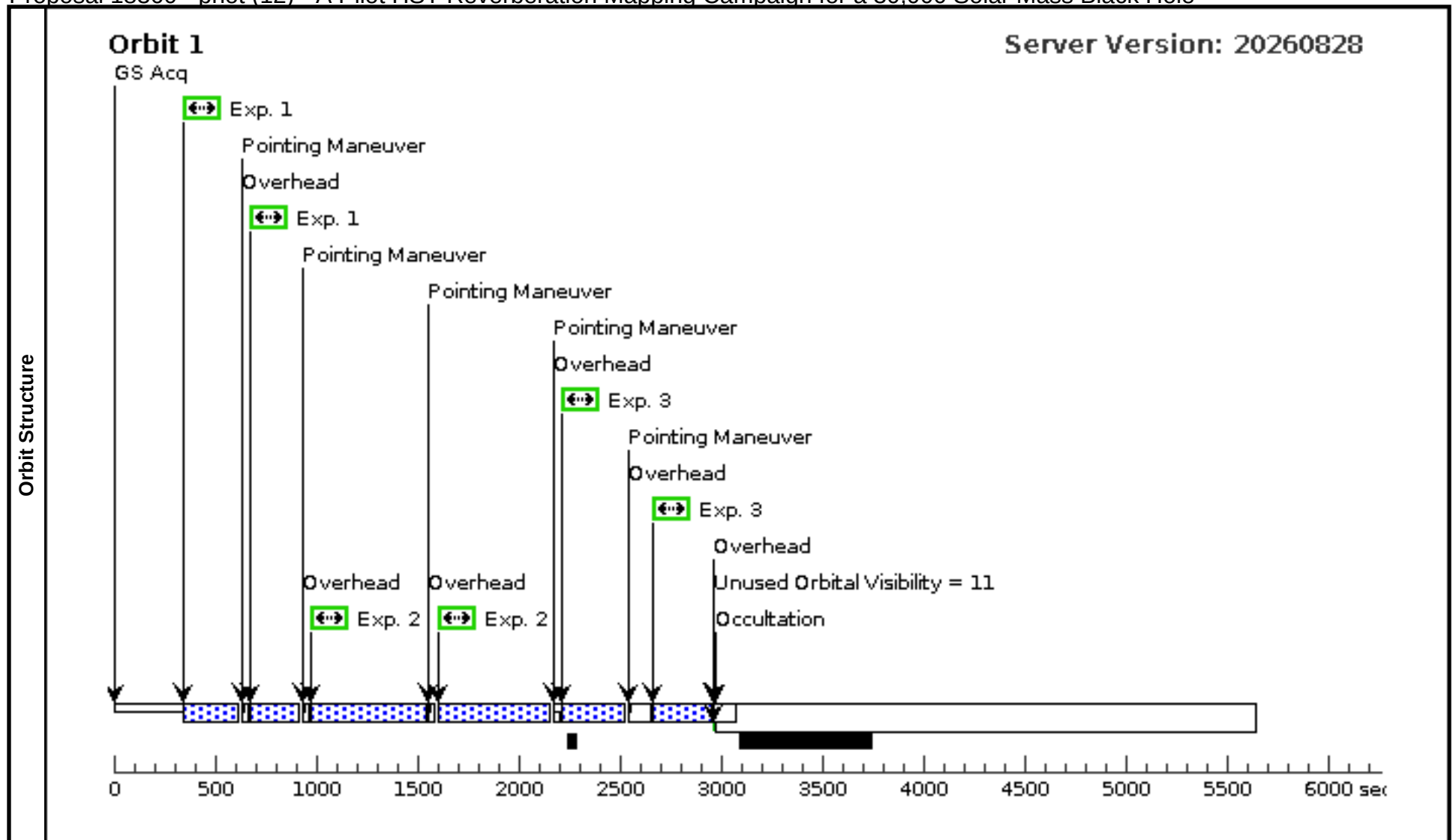
Proposal 18360 - phot (11) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (11), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 10 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (11) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (11) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (11) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



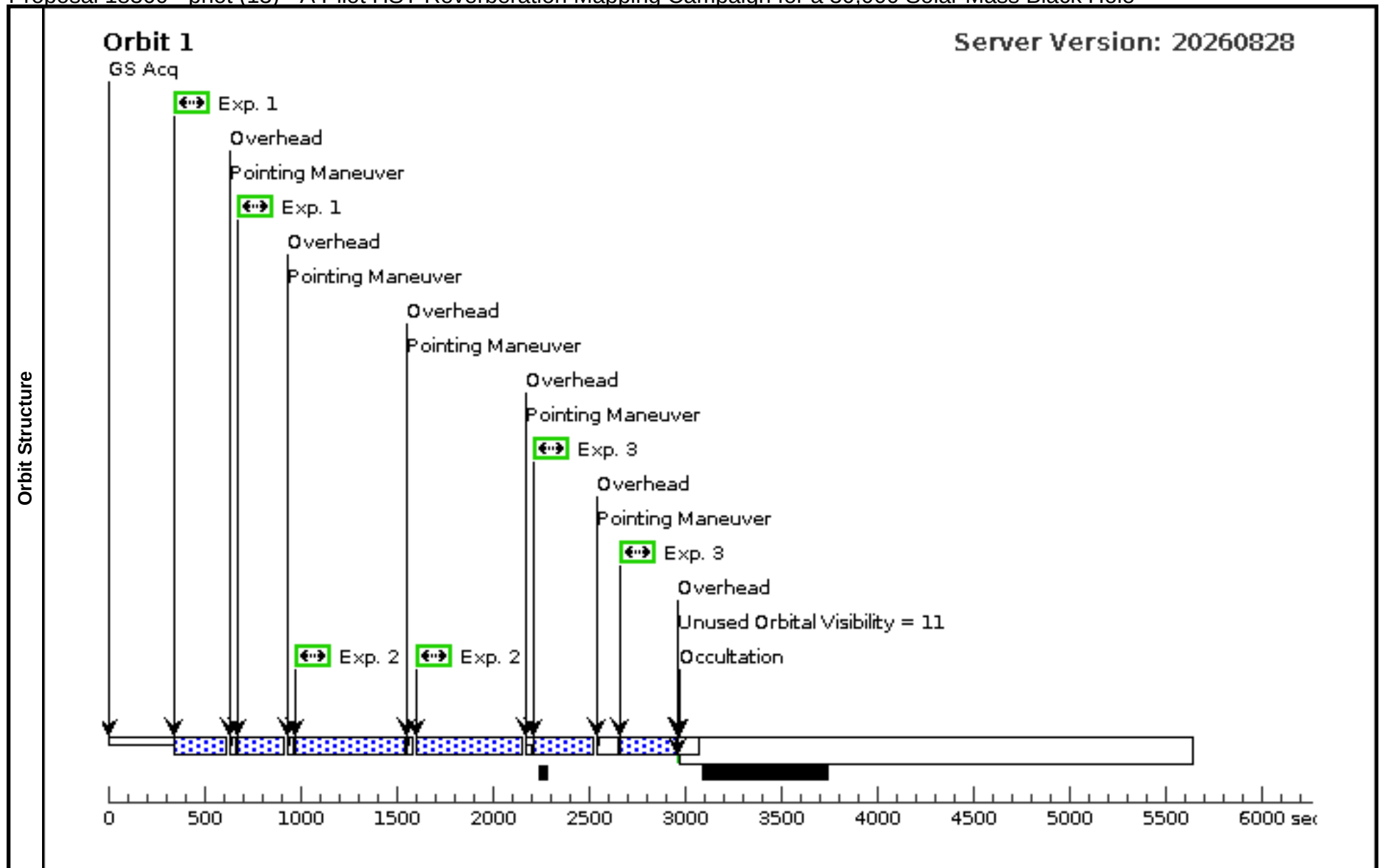
Proposal 18360 - phot (12) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (12), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 11 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (12) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (12) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (12) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



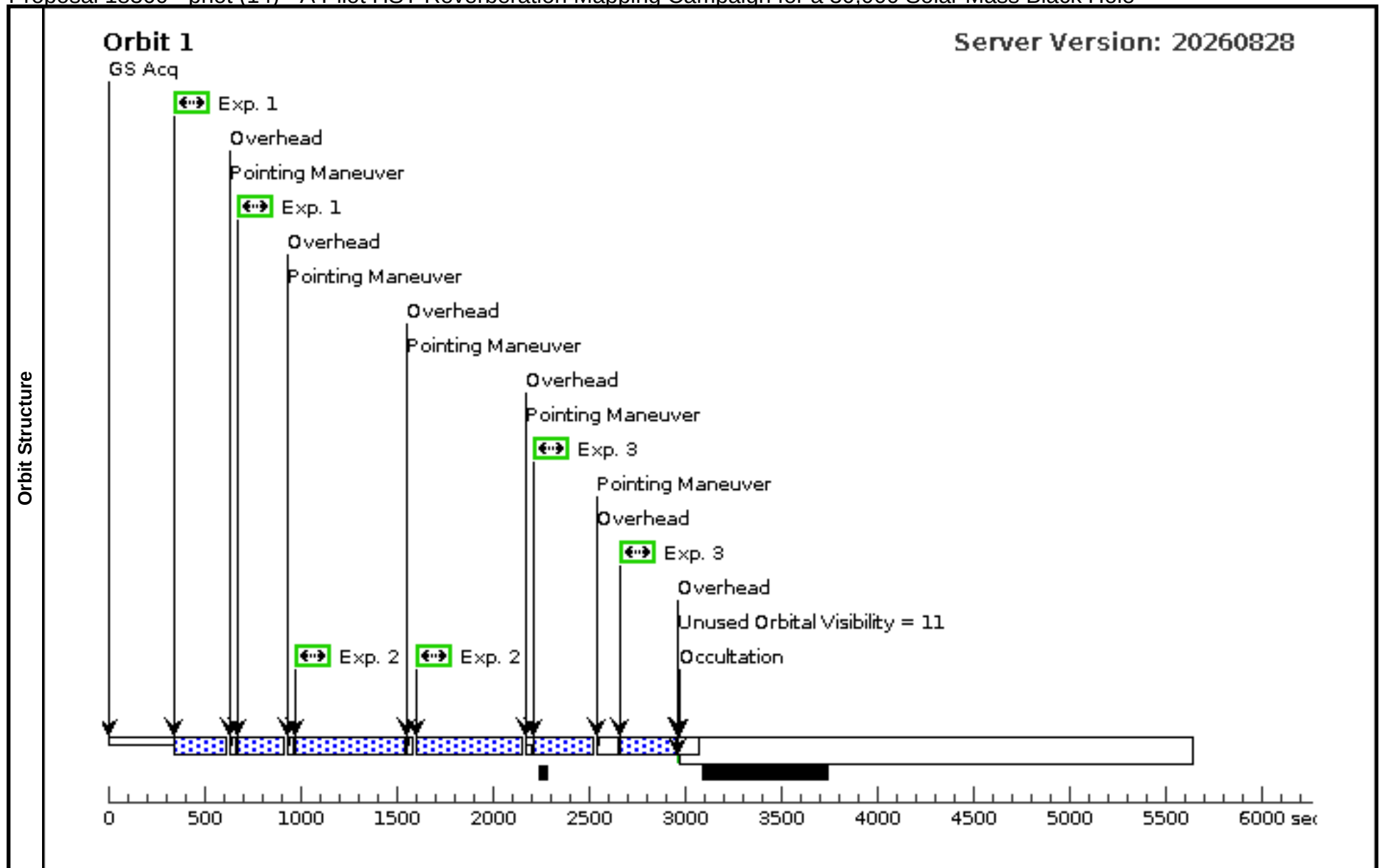
Proposal 18360 - phot (13) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (13), implementation										Sun Sep 20 07:01:13 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 12 BY 12 H TO 36 H											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	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)
	(2)	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							(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (13) (1)	245 Secs (490 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (13) (1)	555 Secs (1110 Secs)			
									[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]				
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (13) (2)	290 Secs (580 Secs)				
								[==>(Pattern 1)]		[1]		
								[==>(Pattern 2)]				



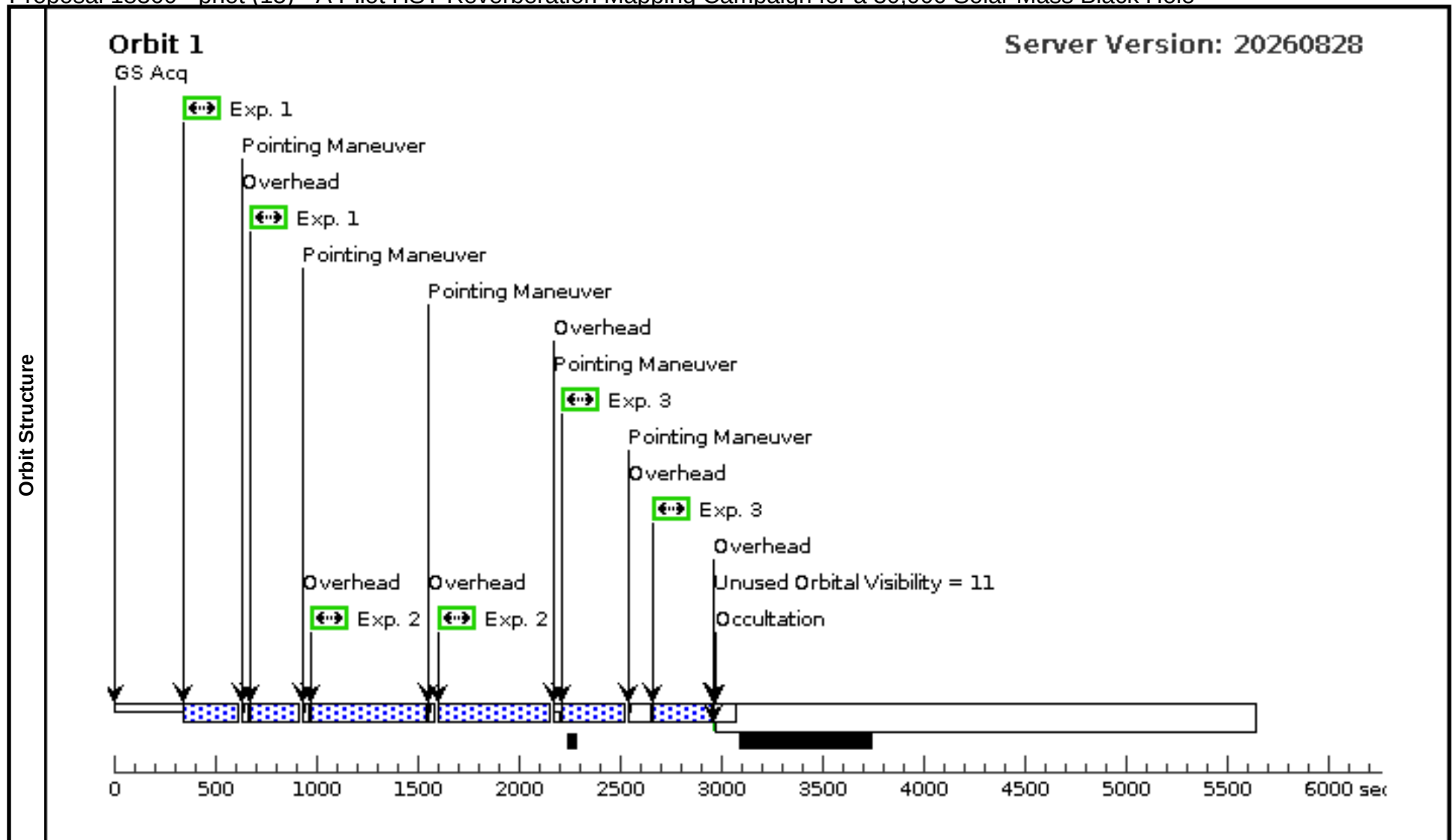
Proposal 18360 - phot (14) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (14), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 13 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (14) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (14) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (14) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



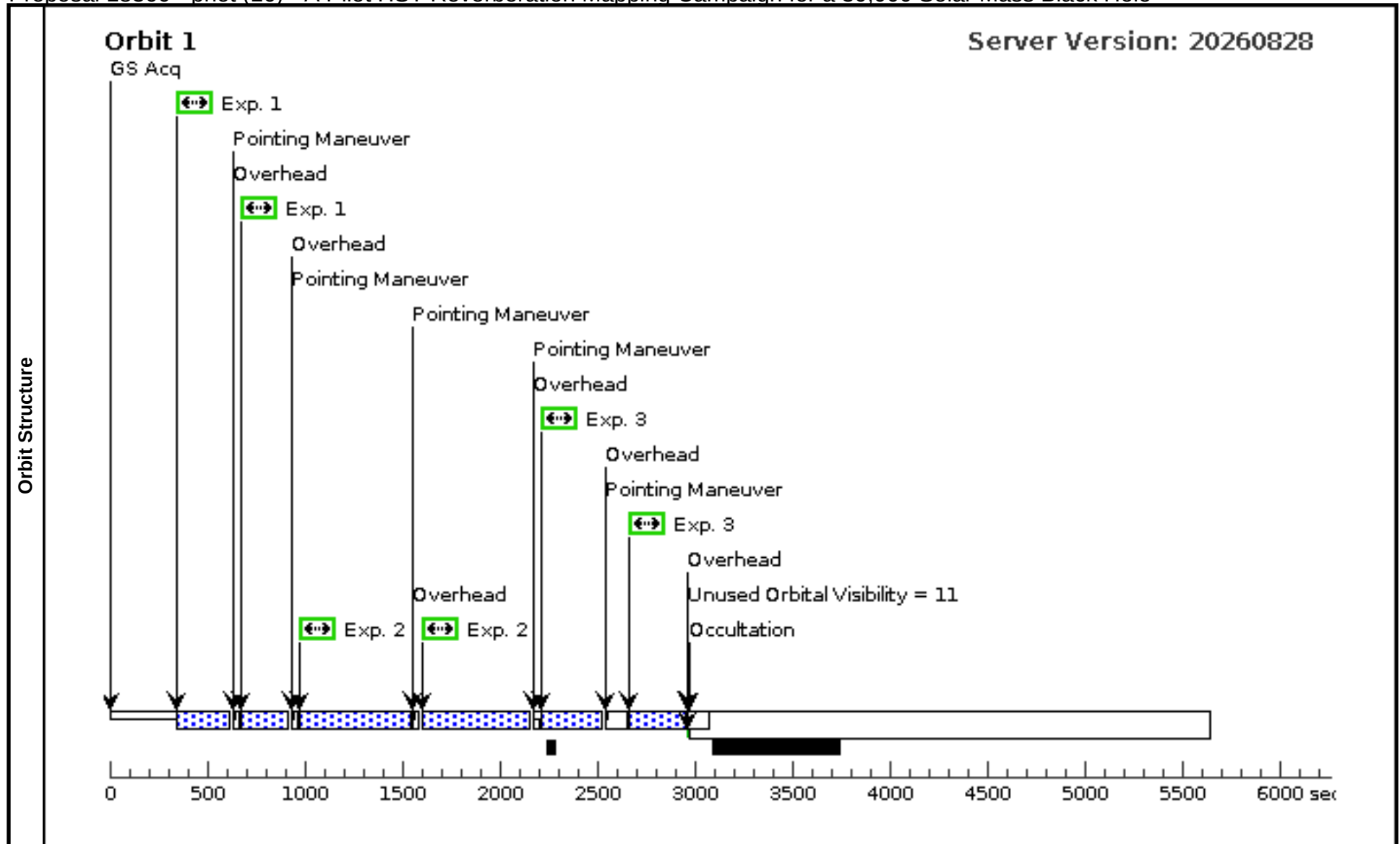
Proposal 18360 - phot (15) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (15), implementation										Sun Sep 20 07:01:13 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 14 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (15) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (15) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 in phot (15) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



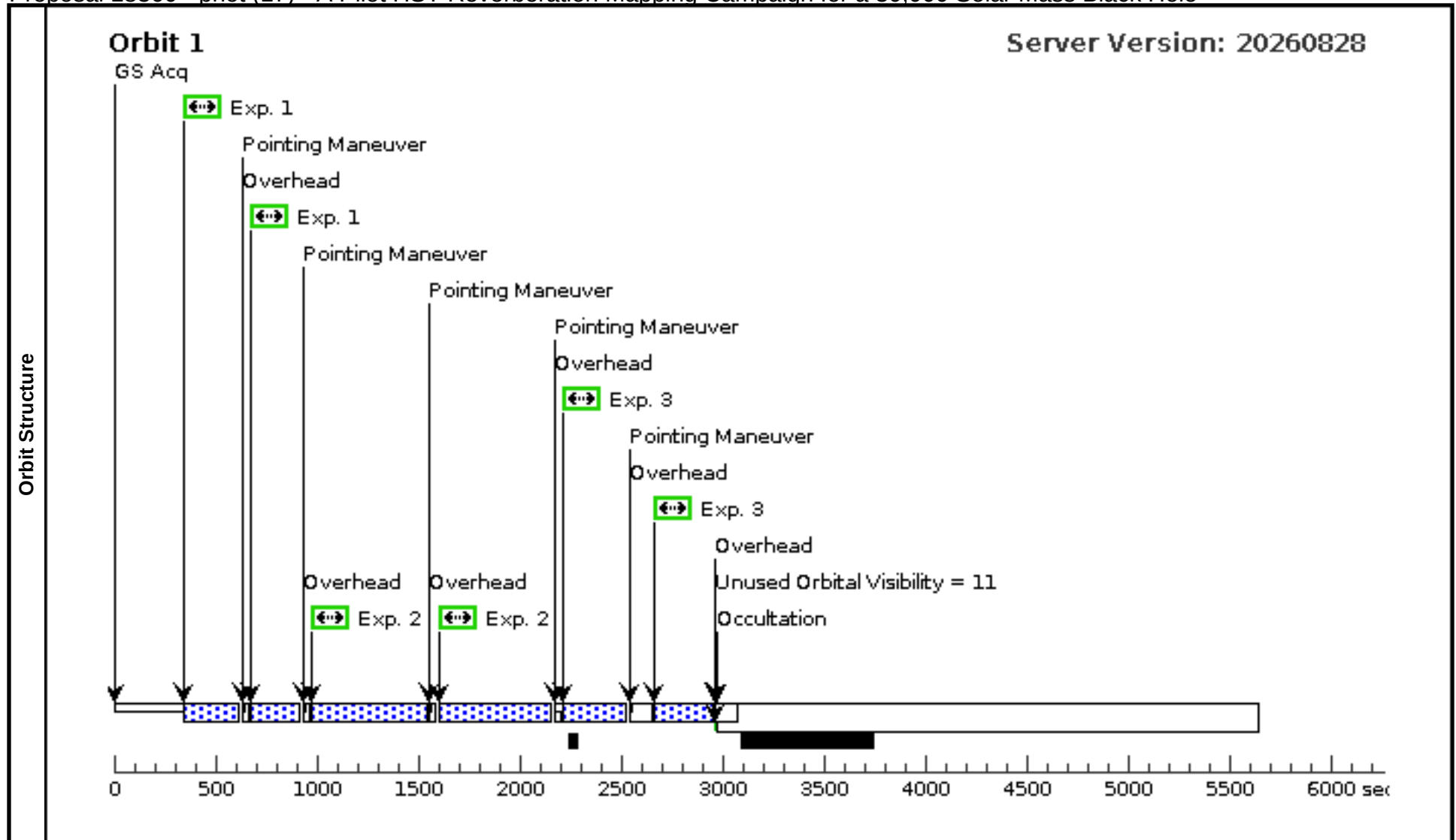
Proposal 18360 - phot (16) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (16), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 15 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (16) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (16) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (16) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



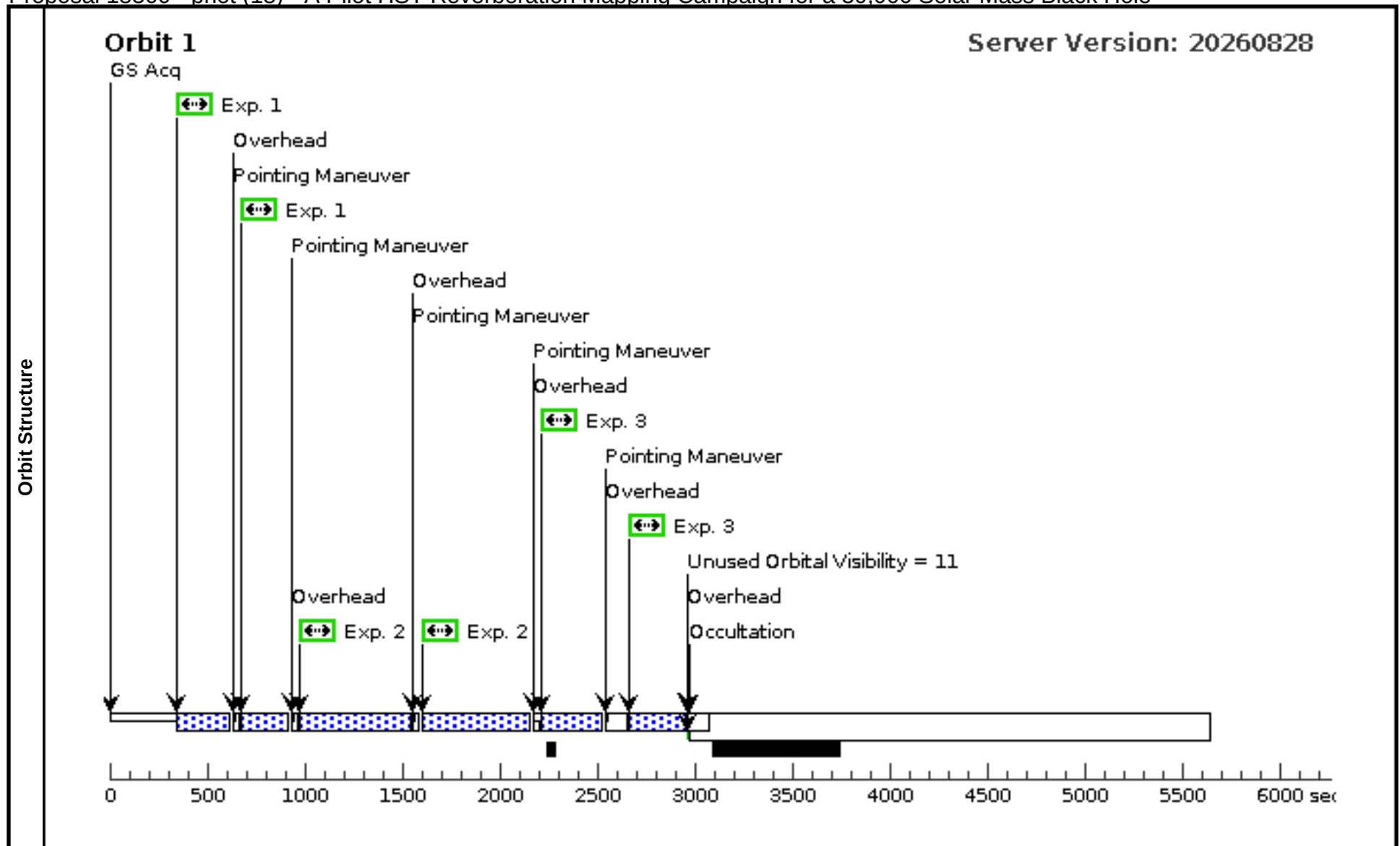
Proposal 18360 - phot (17) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (17), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 16 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (17) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (17) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 in phot (17) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



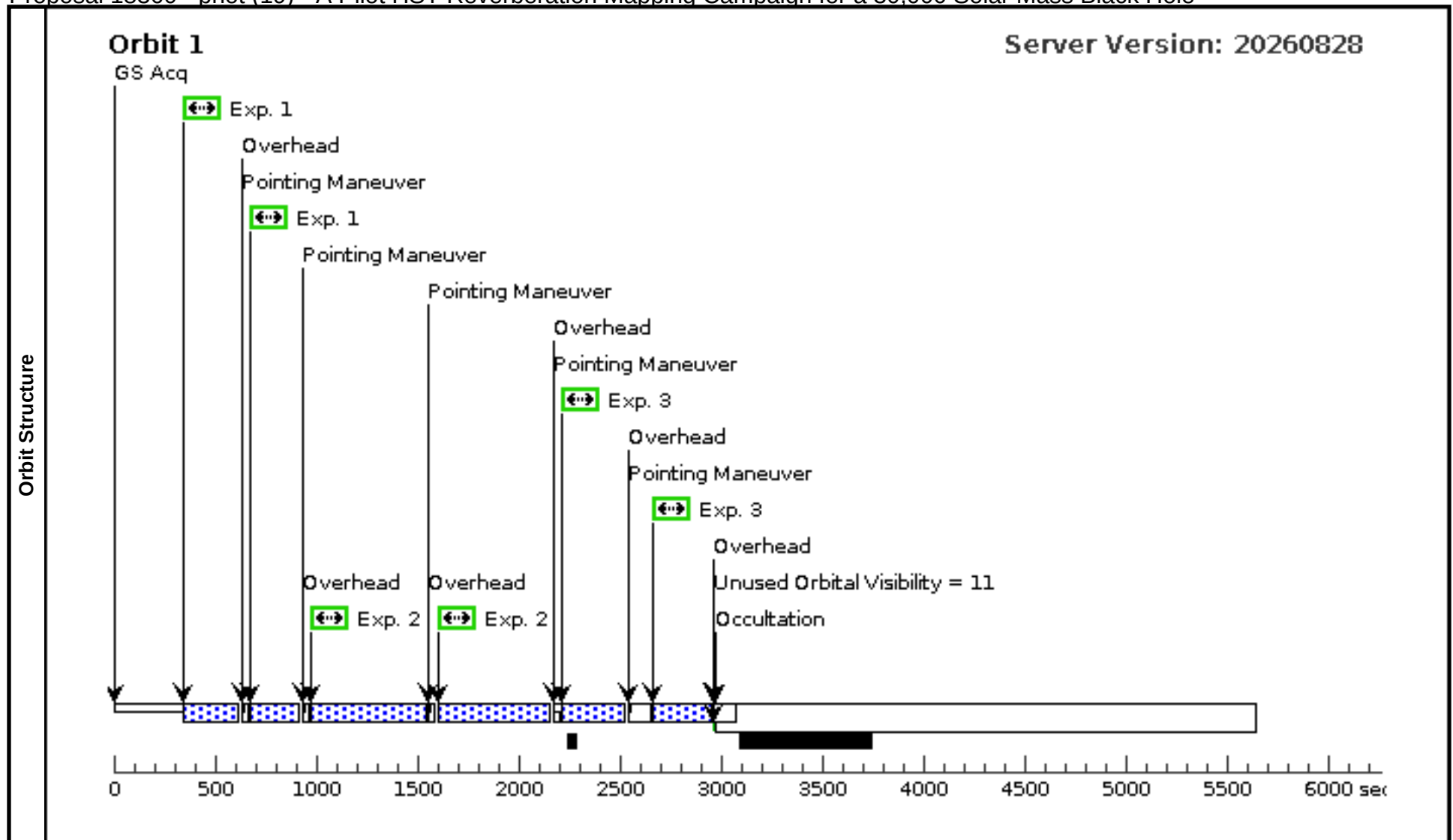
Proposal 18360 - phot (18) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (18), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 17 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (18) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (18) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (18) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



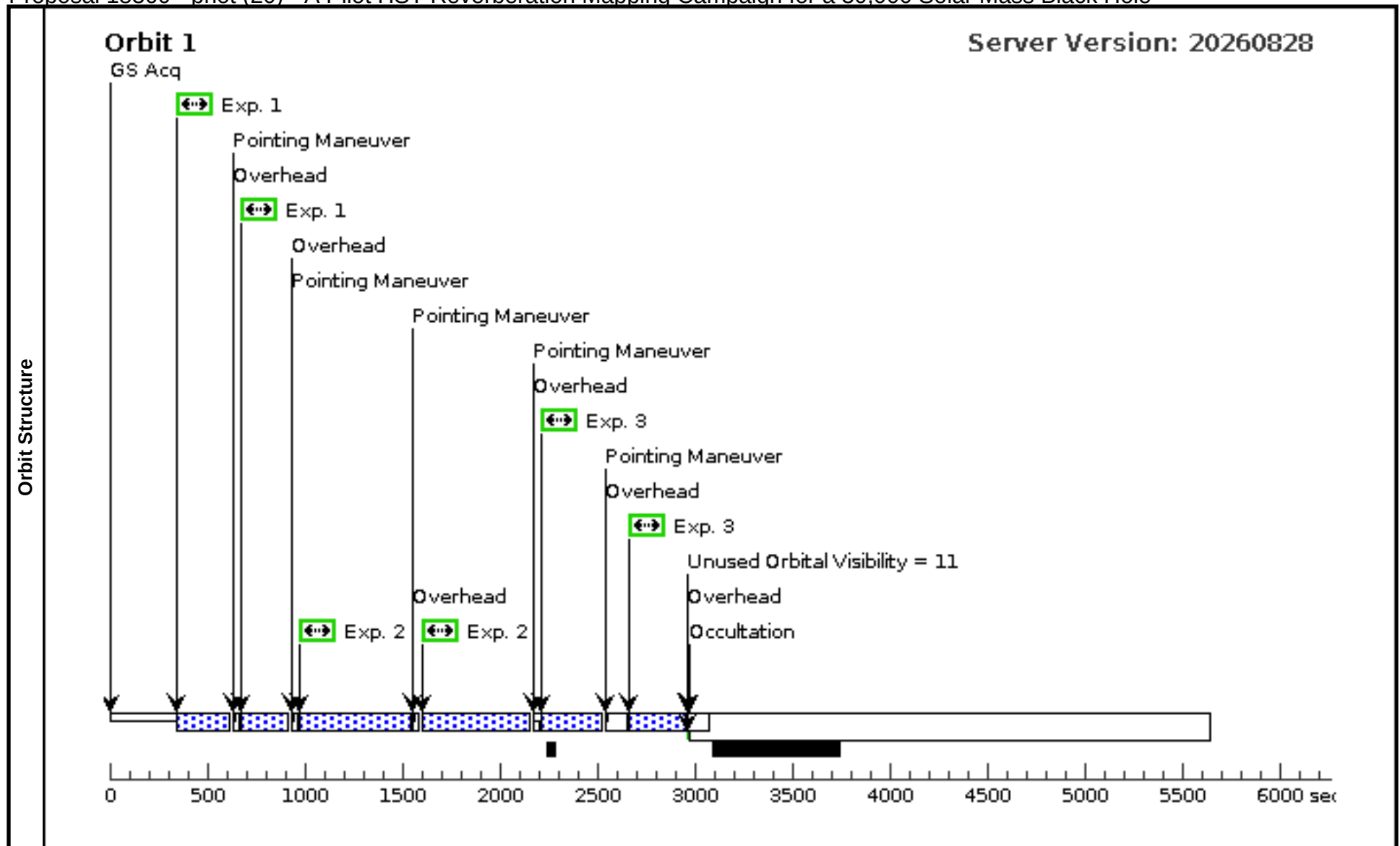
Proposal 18360 - phot (19) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (19), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 18 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (19) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (19) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (19) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



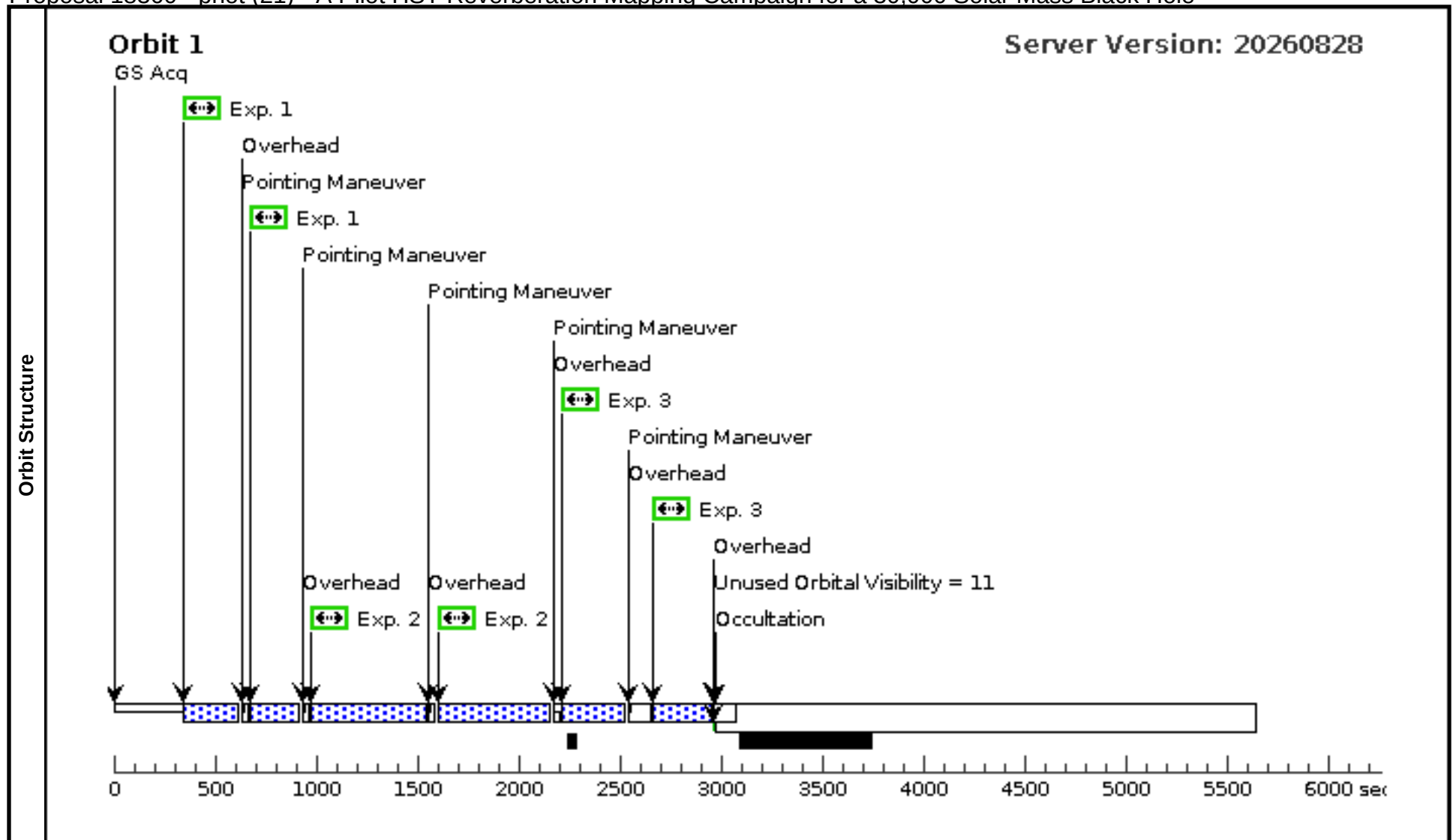
Proposal 18360 - phot (20) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (20), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 19 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (20) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (20) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (20) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



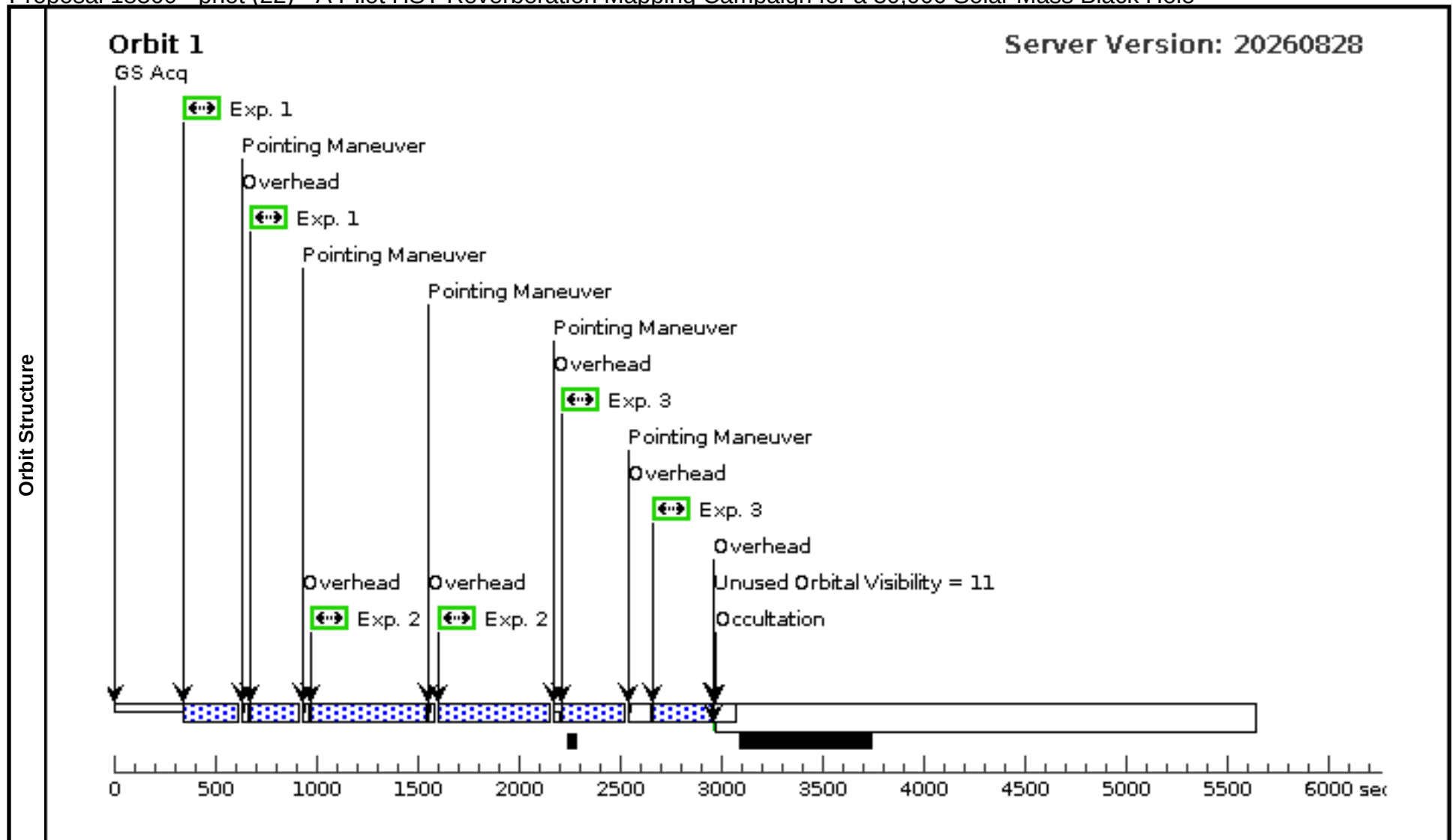
Proposal 18360 - phot (21) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (21), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 20 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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								(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (21) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (21) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (21) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



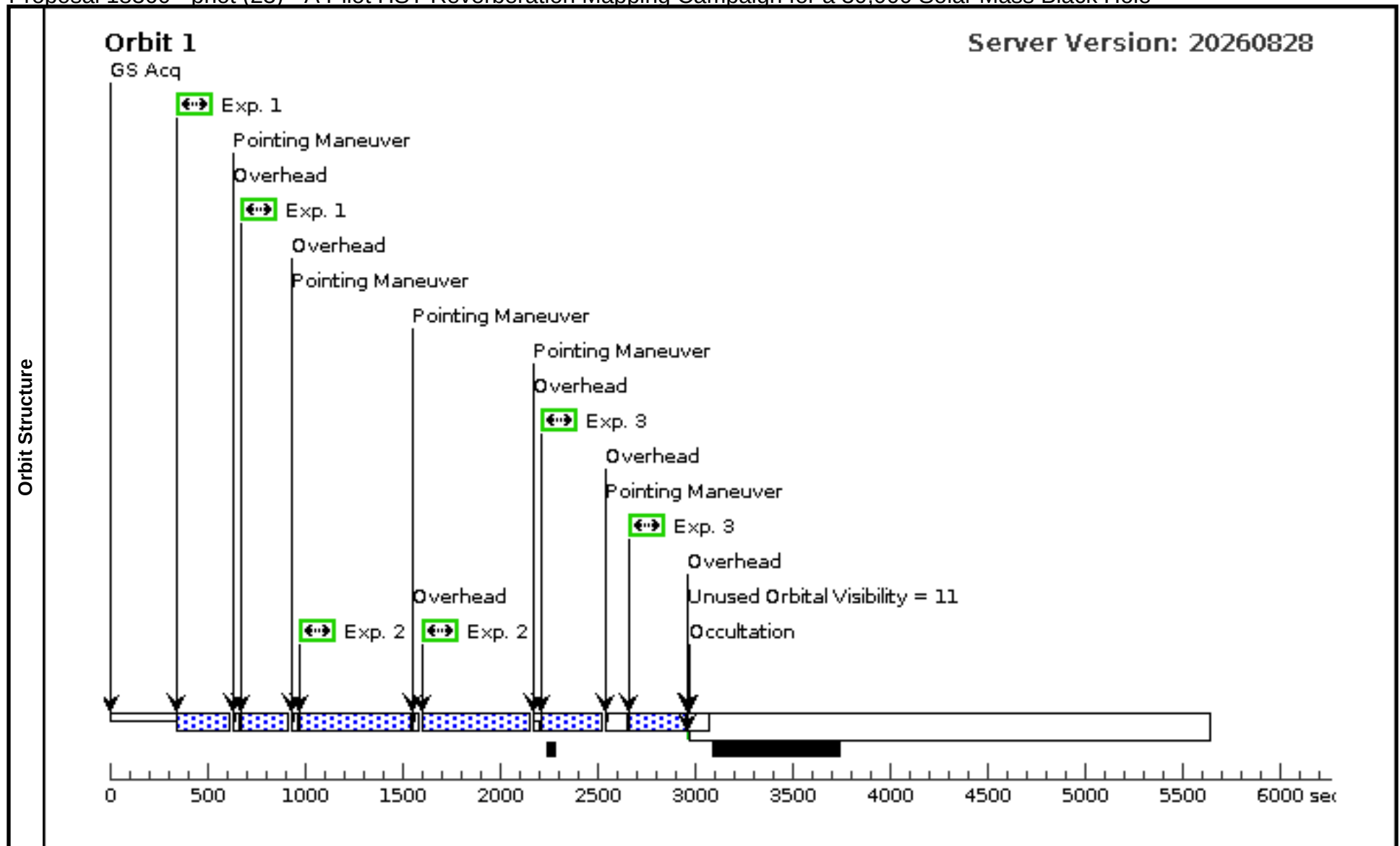
Proposal 18360 - phot (22) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (22), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 21 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (22) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (22) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 i n phot (22) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



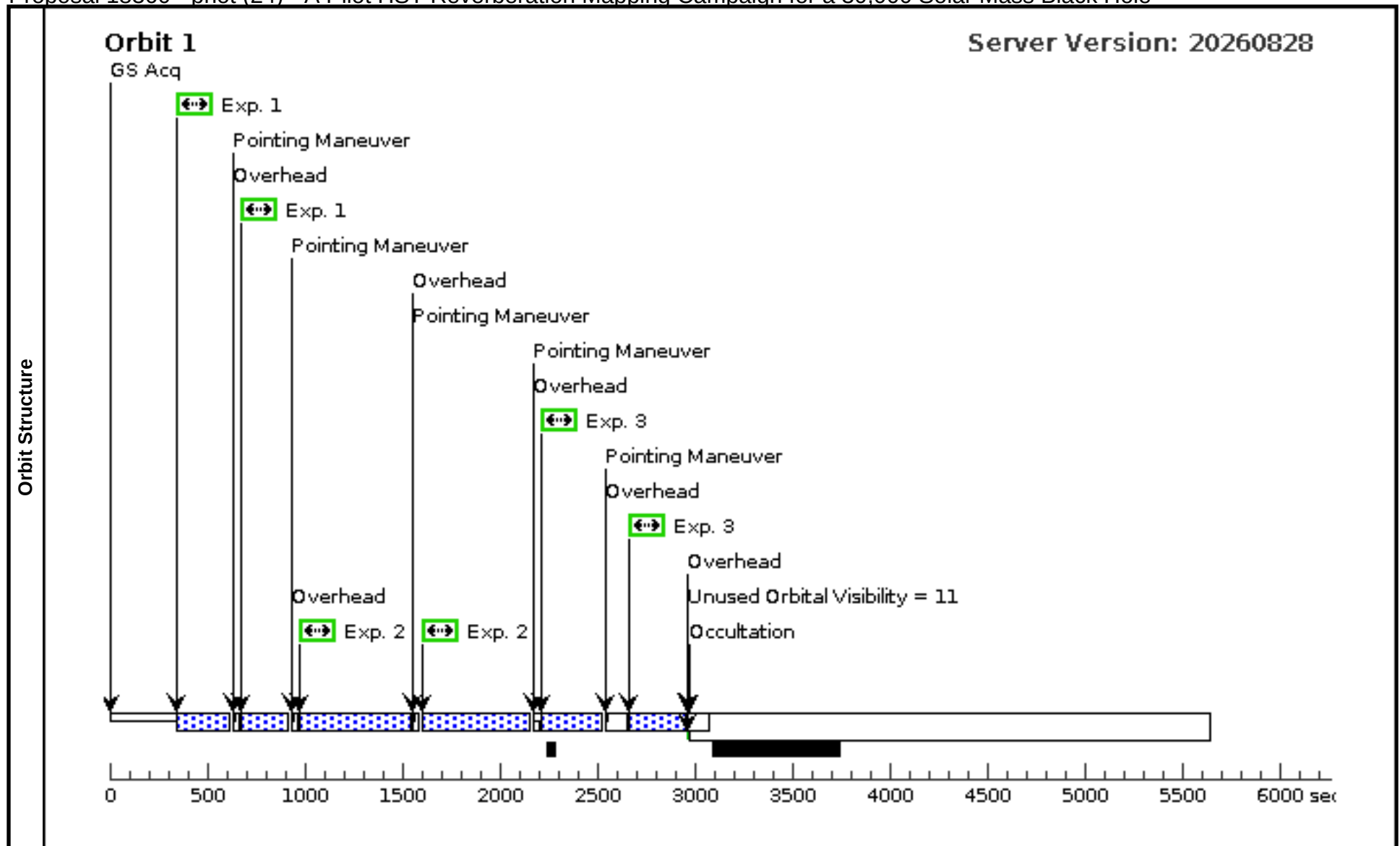
Proposal 18360 - phot (23) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (23), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 22 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (23) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (23) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (23) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



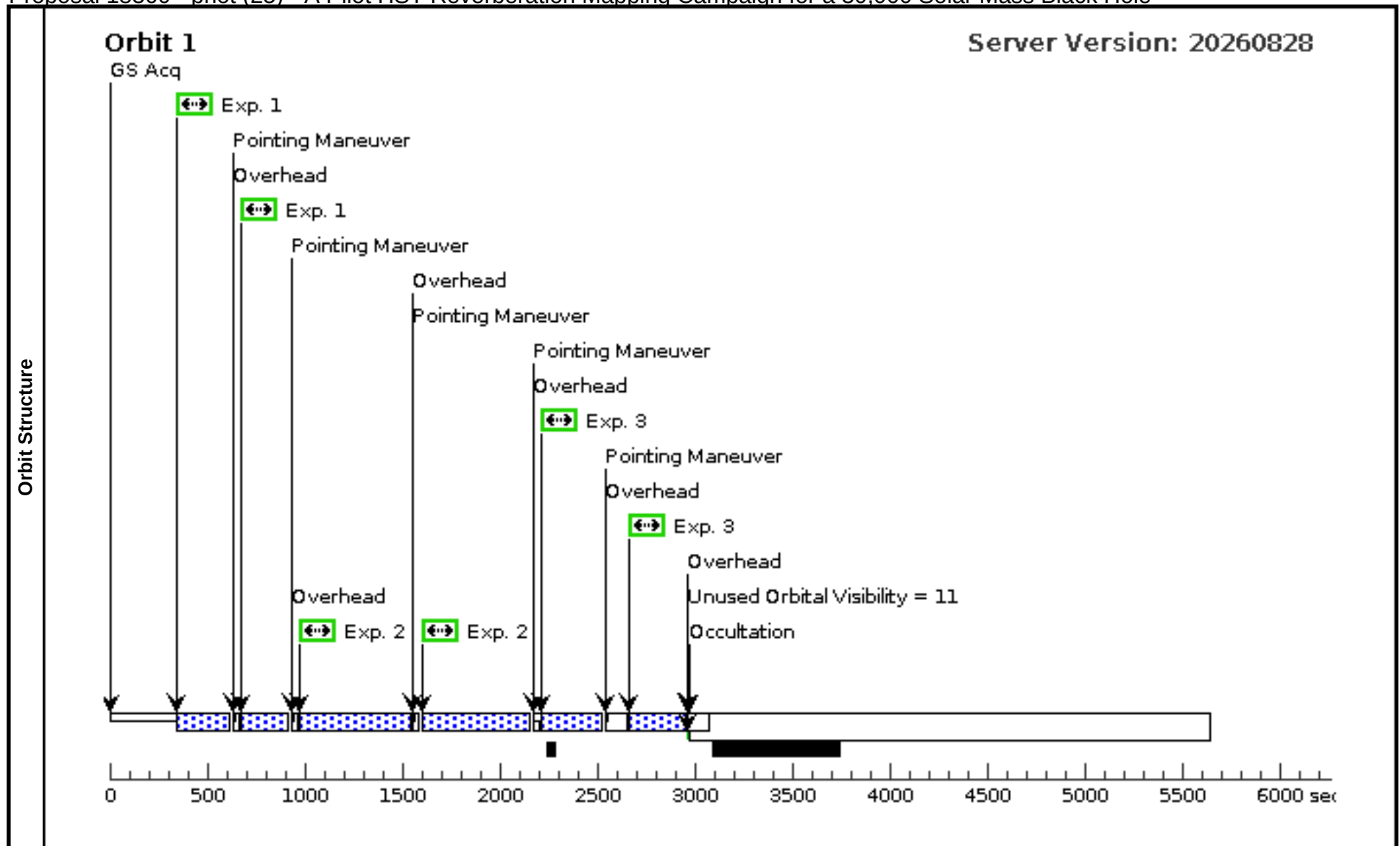
Proposal 18360 - phot (24) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (24), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 23 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.759 Purpose=MOSAIC Angle Between Sides= Number Of Points=2 Center Pattern=true Point Spacing=2.414 Line Spacing=								(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (24) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (24) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (24) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



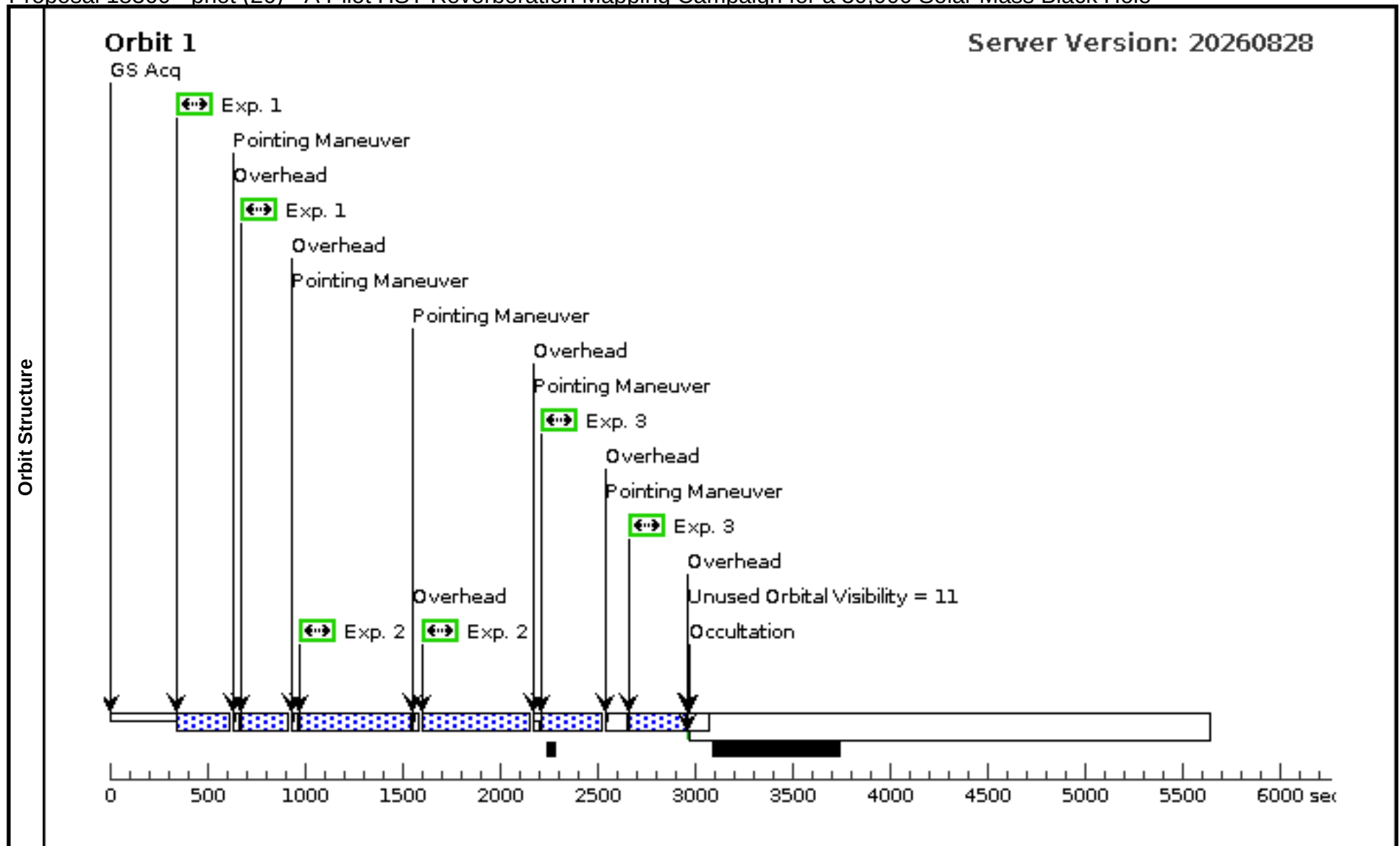
Proposal 18360 - phot (25) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (25), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 24 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (25) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (25) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (25) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



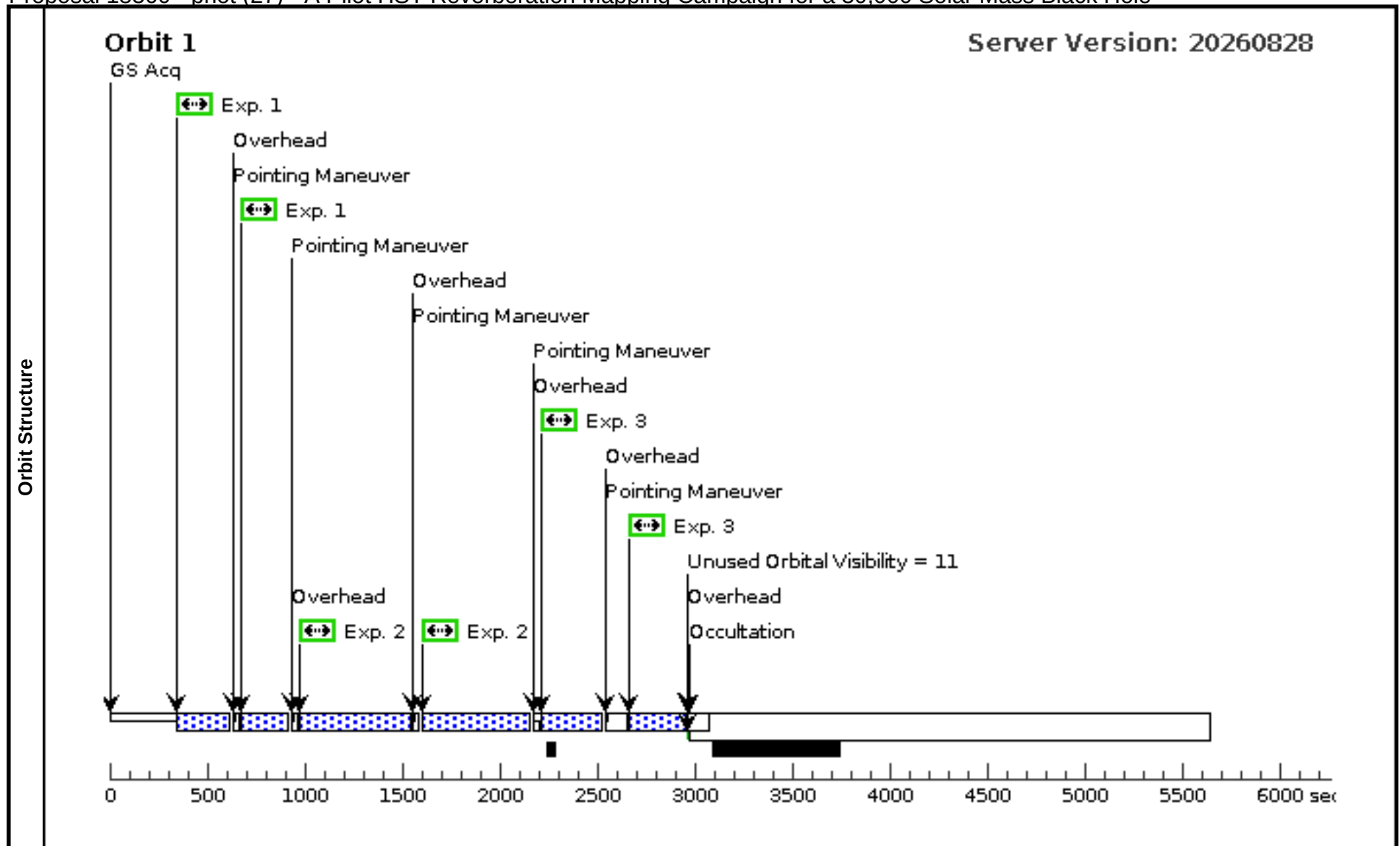
Proposal 18360 - phot (26) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (26), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 25 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (26) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (26) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (26) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



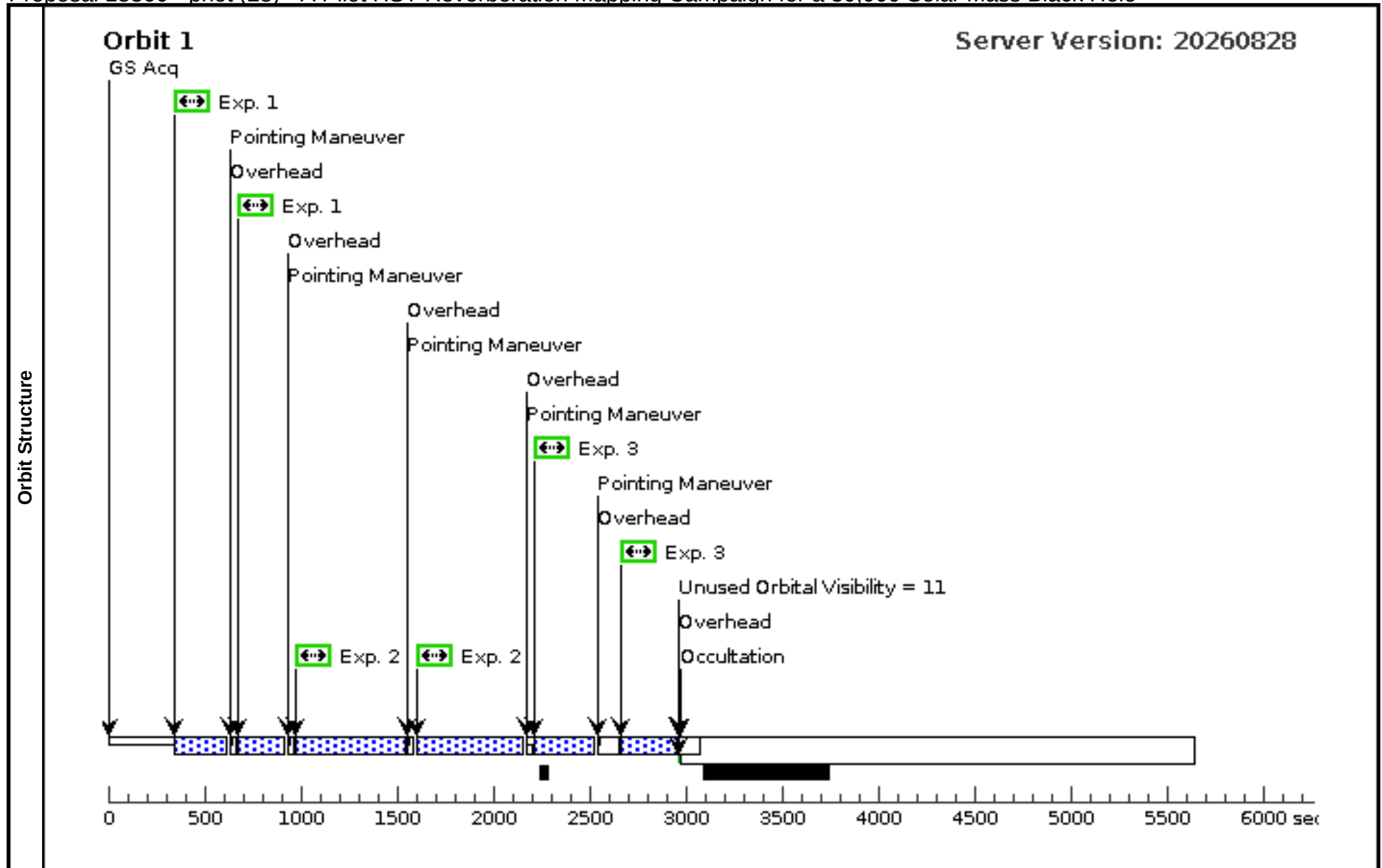
Proposal 18360 - phot (27) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (27), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 26 BY 12 H TO 36 H										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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)	
	(2)	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						(3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (27) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (27) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (27) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



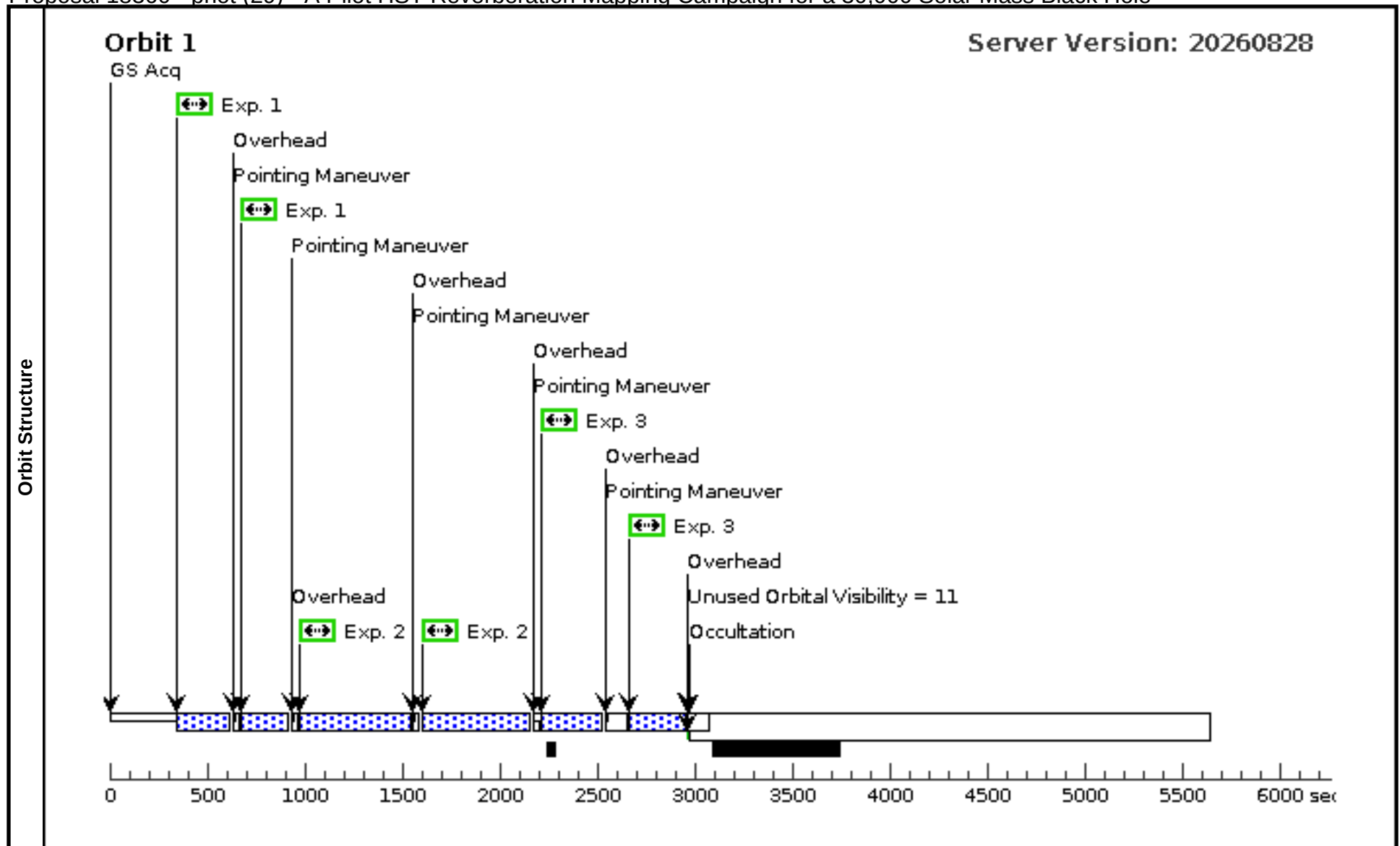
Proposal 18360 - phot (28) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (28), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 27 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 i n phot (28) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 i n phot (28) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 i n phot (28) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



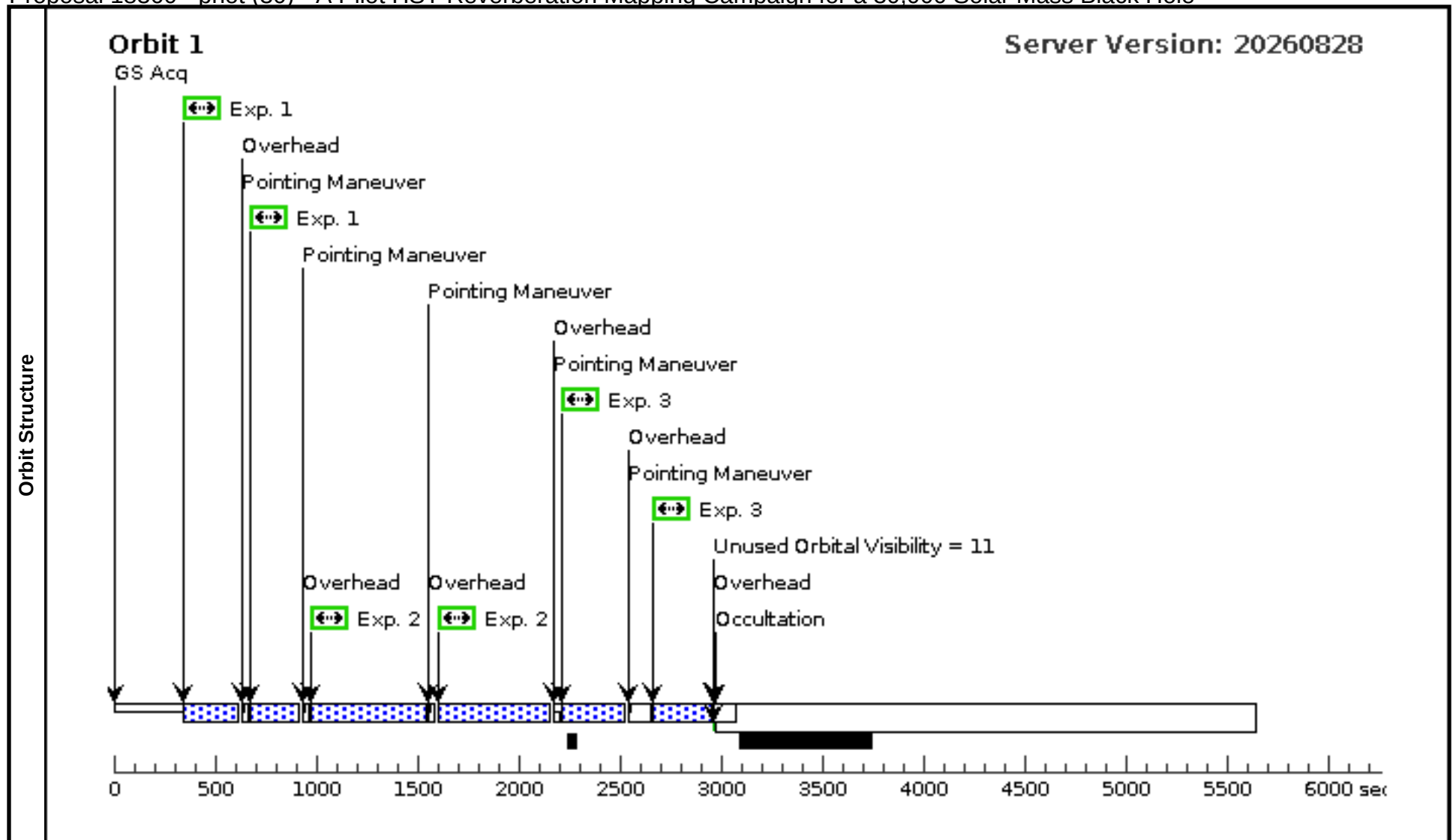
Proposal 18360 - phot (29) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (29), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 28 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (29) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (29) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13			Pattern 2, Exps 3-3 in phot (29) (2)	290 Secs (580 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		



Proposal 18360 - phot (30) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (30), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 29 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (30) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (30) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]			
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (30) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			



Proposal 18360 - phot (31) - A Pilot HST Reverberation Mapping Campaign for a 30,000 Solar Mass Black Hole

Visit	Proposal 18360, phot (31), implementation										Sun Sep 20 07:01:14 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: NO SINGLE STAR GUIDING; ORIENT 219D TO 187 D; AFTER 30 BY 12 H TO 36 H										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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)
	(2)	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						(3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	RGG2013-123	RA: 15 34 25.5883 (233.6066179d) Dec: +04 08 6.73 (4.13520d) Equinox: J2000		Proper Motion RA: 0.423 mas/yr Proper Motion Dec: -0.41600003441999434 mas/yr Parallax: 1.874E-4" Epoch of Position: 2000		V=18.22		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[SEYFERT]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=14		Pattern 1, Exps 1-1 in phot (31) (1)	245 Secs (490 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F673N	FLASH=15		Pattern 1, Exps 2-2 in phot (31) (1)	555 Secs (1110 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
3		(1) RGG2013-123	WFC3/UVIS, ACCUM, UVIS2	F621M	FLASH=13		Pattern 2, Exps 3-3 in phot (31) (2)	290 Secs (580 Secs)			
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			

