



17583 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave observations of a neutron star merger

Cycle: 31, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Ms. Keerthi Kunnumkai (CoI)	Carnegie Mellon University
Dr. David Coulter (CoI)	Space Telescope Science Institute
Dr. Charles Kilpatrick (CoI)	Northwestern University
Prof. Ryan Foley (CoI)	University of California - Santa Cruz
Prof. Gautham Narayan (CoI)	University of Illinois at Urbana - Champaign
Maria Drout (CoI) (CSA Member)	University of Toronto
Aaron Tohuvavohu (CoI)	California Institute of Technology
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Ariel Jacob Amsellem (CoI)	Carnegie Mellon University

VISITS

Proposal 17583 (STScI Edit Number: 1, Created: Friday, August 22, 2025, 3:00:55PM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) GW-AFTERGLOW-1	WFC3/IR WFC3/UVIS	2	22-Aug-2025 16:00:33.0	yes
02	(1) GW-AFTERGLOW-1	WFC3/IR WFC3/UVIS	2	22-Aug-2025 16:00:34.0	yes
03	(1) GW-AFTERGLOW-1	WFC3/IR WFC3/UVIS	2	22-Aug-2025 16:00:35.0	yes
04	(1) GW-AFTERGLOW-1	WFC3/IR WFC3/UVIS	4	22-Aug-2025 16:00:37.0	yes
05	(1) GW-AFTERGLOW-1	WFC3/IR WFC3/UVIS	4	22-Aug-2025 16:00:38.0	yes
06	(1) GW-AFTERGLOW-1	WFC3/IR	2	22-Aug-2025 16:00:40.0	yes
07	(1) GW-AFTERGLOW-1	WFC3/UVIS	2	22-Aug-2025 16:00:41.0	yes
08	(1) GW-AFTERGLOW-1	WFC3/IR	4	22-Aug-2025 16:00:43.0	yes
09	(3) AT2025ULZ	WFC3/UVIS	4	22-Aug-2025 16:00:44.0	yes
10	(2) GW-AFTERGLOW-2	WFC3/IR WFC3/UVIS	2	22-Aug-2025 16:00:45.0	yes
11	(2) GW-AFTERGLOW-2	WFC3/IR WFC3/UVIS	2	22-Aug-2025 16:00:46.0	yes
12	(2) GW-AFTERGLOW-2	WFC3/IR WFC3/UVIS	2	22-Aug-2025 16:00:47.0	yes
13	(2) GW-AFTERGLOW-2	WFC3/IR WFC3/UVIS	4	22-Aug-2025 16:00:48.0	yes
14	(2) GW-AFTERGLOW-2	WFC3/IR WFC3/UVIS	4	22-Aug-2025 16:00:50.0	yes
15	(2) GW-AFTERGLOW-2	WFC3/IR	2	22-Aug-2025 16:00:51.0	yes
16	(2) GW-AFTERGLOW-2	WFC3/UVIS	2	22-Aug-2025 16:00:51.0	yes
17	(2) GW-AFTERGLOW-2	WFC3/IR	4	22-Aug-2025 16:00:52.0	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>
18	(3) AT2025ULZ	WFC3/UVIS	4	22-Aug-2025 16:00:54.0	yes

52 Total Orbits Used

ABSTRACT

The field of gravitational wave (GW) astronomy burst into life after the detection of the first binary black hole merger event by LIGO in 2015. Only two years later, the discovery of the first electromagnetic counterpart to a gravitational wave event, GW170817, revolutionized our understanding of short duration gamma-ray bursts (GRBs) and relativistic jets. Electromagnetic observations of the resulting afterglow emission, arising from the interaction of the jet with the surrounding environment, provided further constraints to the source's viewing angle and distance, breaking the degeneracy in the GW data, and allowing for a precise, and independent, measurement of the Hubble Constant. A sample of ~10 similar events will relieve the so-called Hubble tension. In this program, we propose Hubble Space Telescope observations of a neutron star merger identified through GWs in order to constrain the structure of the GRB jet, its viewing angle, and, in turn, the Hubble constant, through direct observations of the the jet's afterglow emission. This program represents a step towards reaching the ~10 events required for a precision cosmology measurement, and the only opportunity to perform this scientific analysis before 2028.

OBSERVING DESCRIPTION

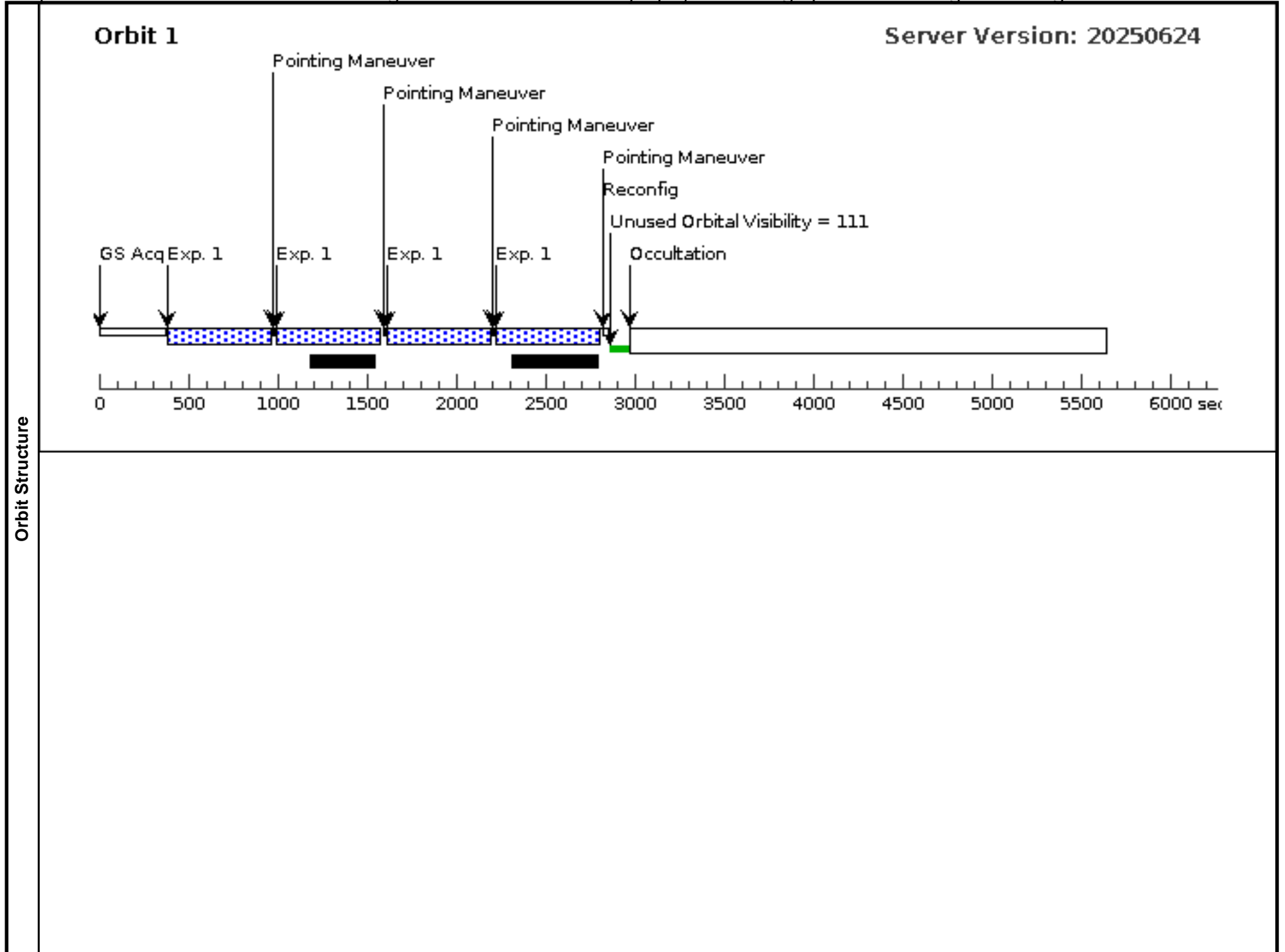
This is a long-term target of opportunity (ToO) program to study the electromagnetic counterparts of neutron star (NS) mergers discovered in the LIGO-Virgo-KAGRA (LVK) O4 observing run. The observations are non-disruptive, and comprise 28 orbits spread across two separate NS mergers (2x14 orbits) with 5 epochs of observation each. The baseline plan is that the first three visits utilize two orbits each, whereas the final two visits use four orbits each (2+2+2+4+4 = 14 orbits per target).

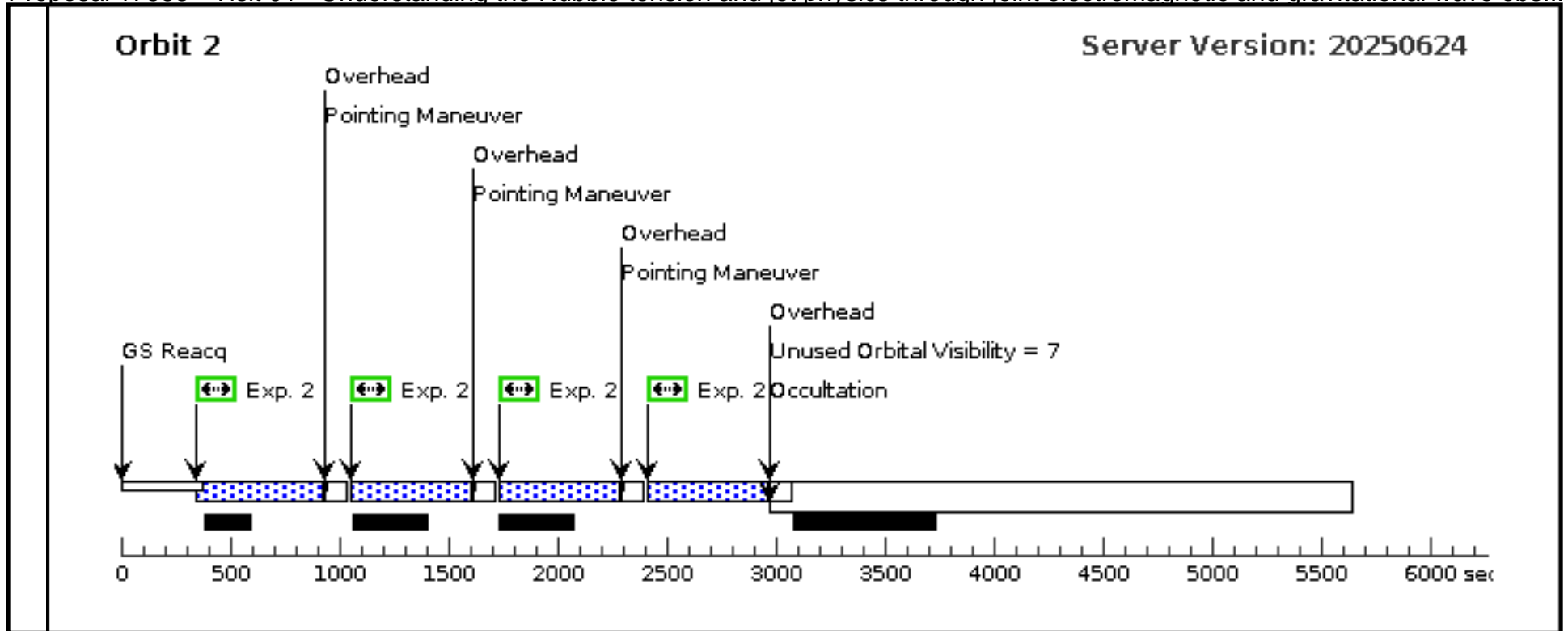
We have waived our proprietary data rights due to the massive community interest in this topic.

Proposal 17583 - Visit 01 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:55 GMT 2025

Visit	Proposal 17583, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	#	Primary Pattern			Secondary Pattern			Exposures		
Patterns	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false							(1)
	(2)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false							(2)
Generic Targets	#	Name	Criteria	Description						
	(1)	GW-AFTERGLOW-1	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GW-AFTERGLOW-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in Visit 01 (1)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(1) GW-AFTERGLOW-1	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 2, Exps 2-2 in Visit 01 (2)	550 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]	

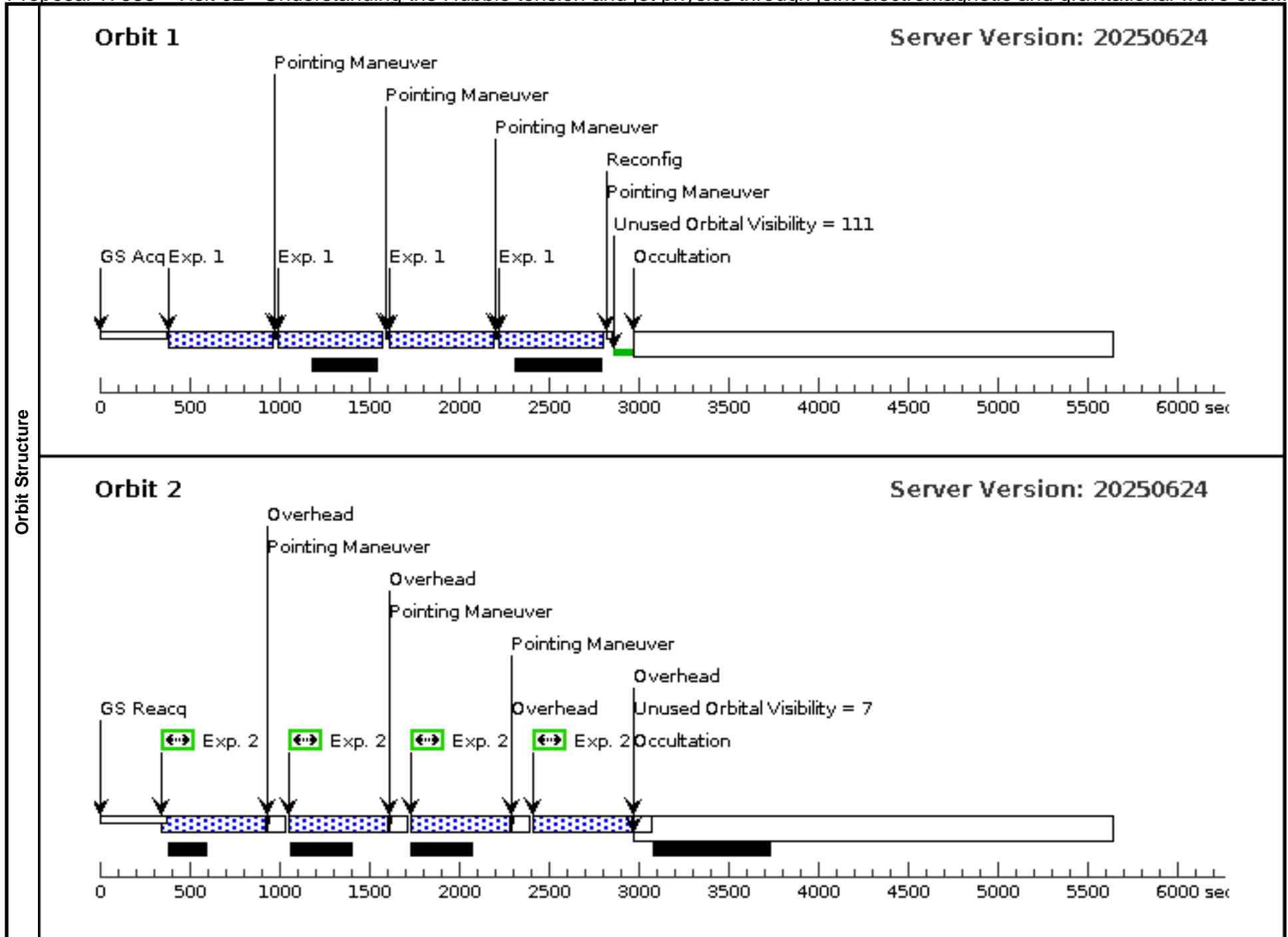




Proposal 17583 - Visit 02 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:55 GMT 2025

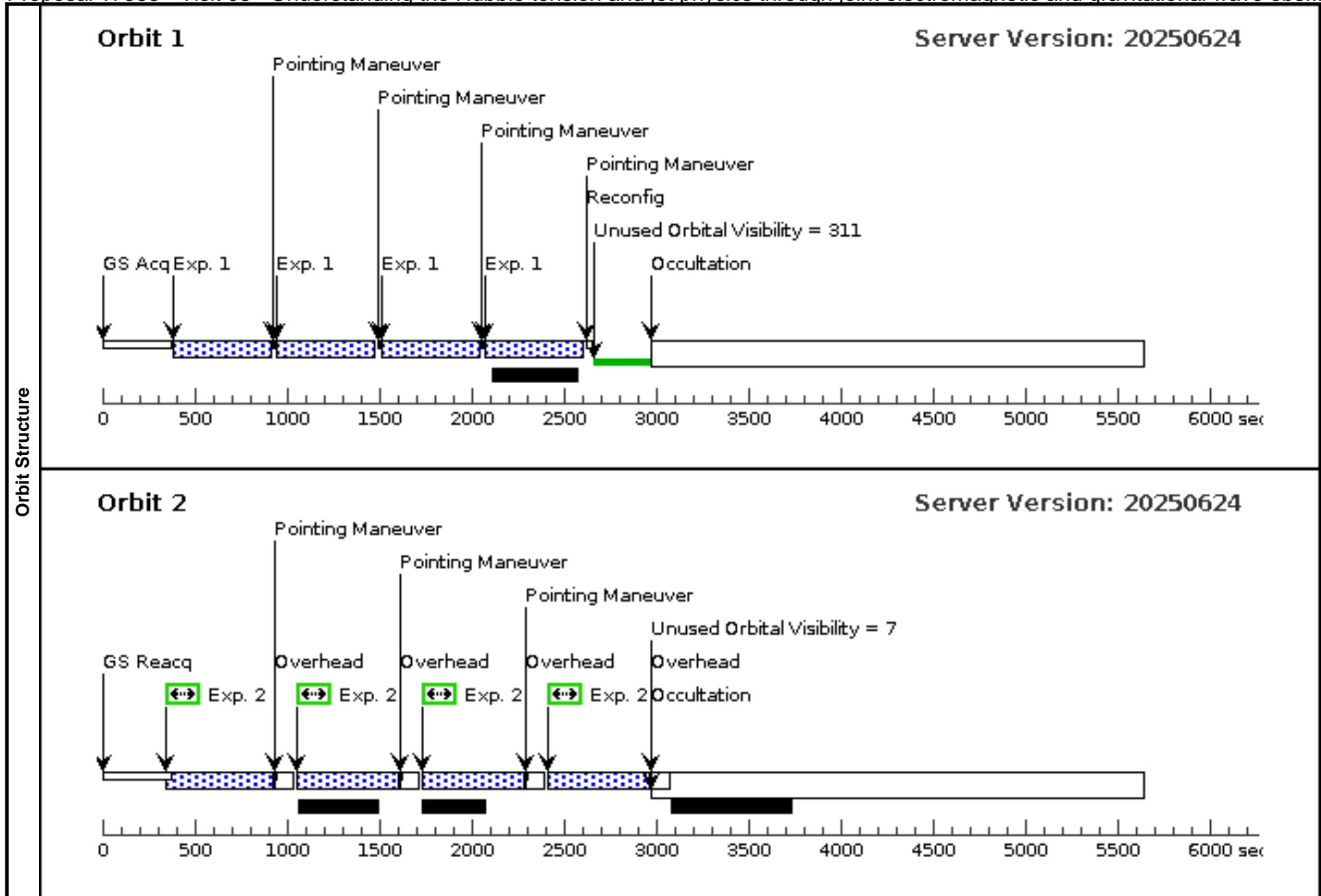
Visit	Proposal 17583, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(2)						
Generic Targets	#	Name	Criteria	Description						
	(1)	GW-AFTERGLOW-1	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GW-AFTERGLOW-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in Visit 02 (1)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(1) GW-AFTERGLOW-1	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 2, Exps 2-2 in Visit 02 (2)	550 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]	



Proposal 17583 - Visit 03 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:55 GMT 2025

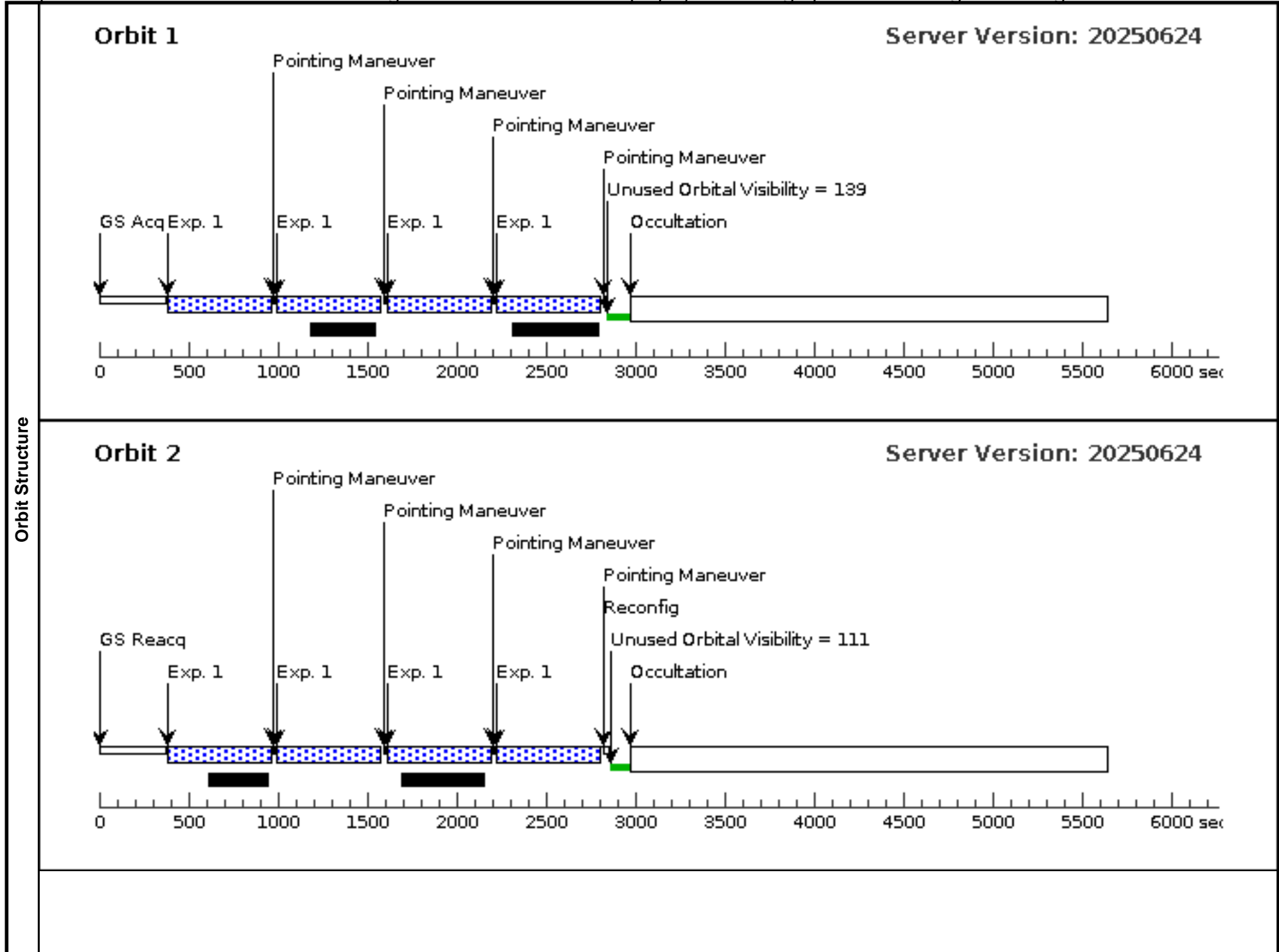
Visit	Proposal 17583, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(2)						
Generic Targets	#	Name	Criteria	Description						
	(1)	GW-AFTERGLOW-1	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GW-AFTERGLOW-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S100		Pattern 1, Exps 1-1 in Visit 03 (1)	502.933906 Secs (2011.736 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(1) GW-AFTERGLOW-1	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 2, Exps 2-2 in Visit 03 (2)	550 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]	



Visit	Proposal 17583, Visit 04, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>				
	Diagnosics (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.7 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=42 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false
	(4)	Pattern Type=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	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false
Generic Targets	#	Name	Criteria	Description	
	(1)	GW-AFTERGLOW-1	GW counterpart candidate		

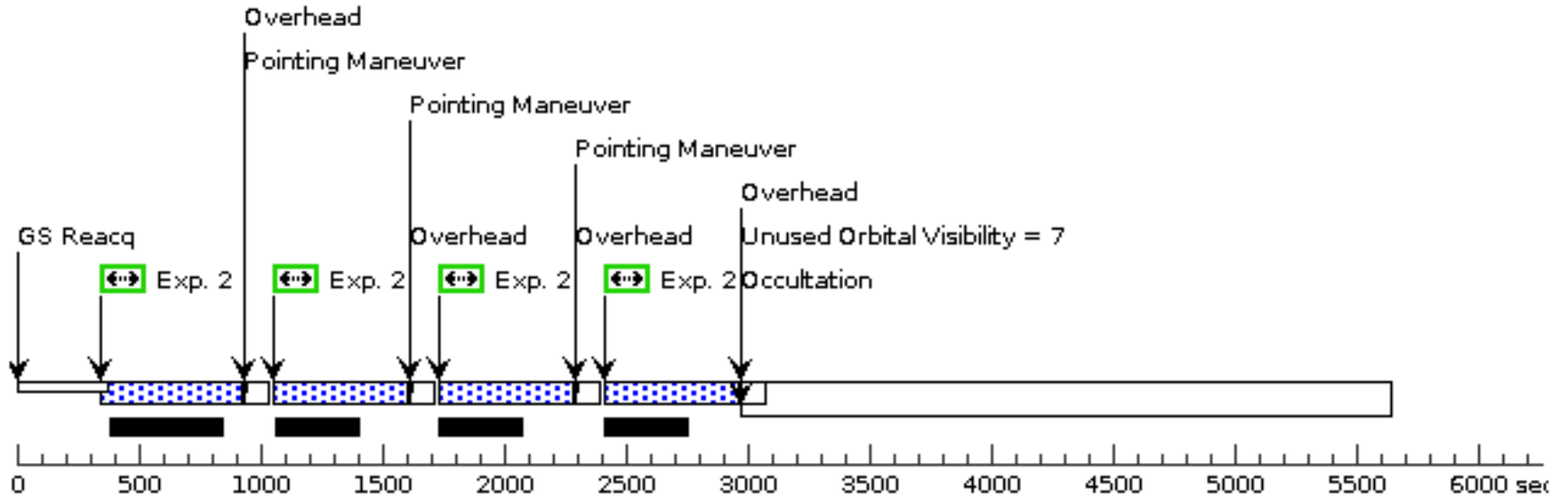
Proposal 17583 - Visit 04 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

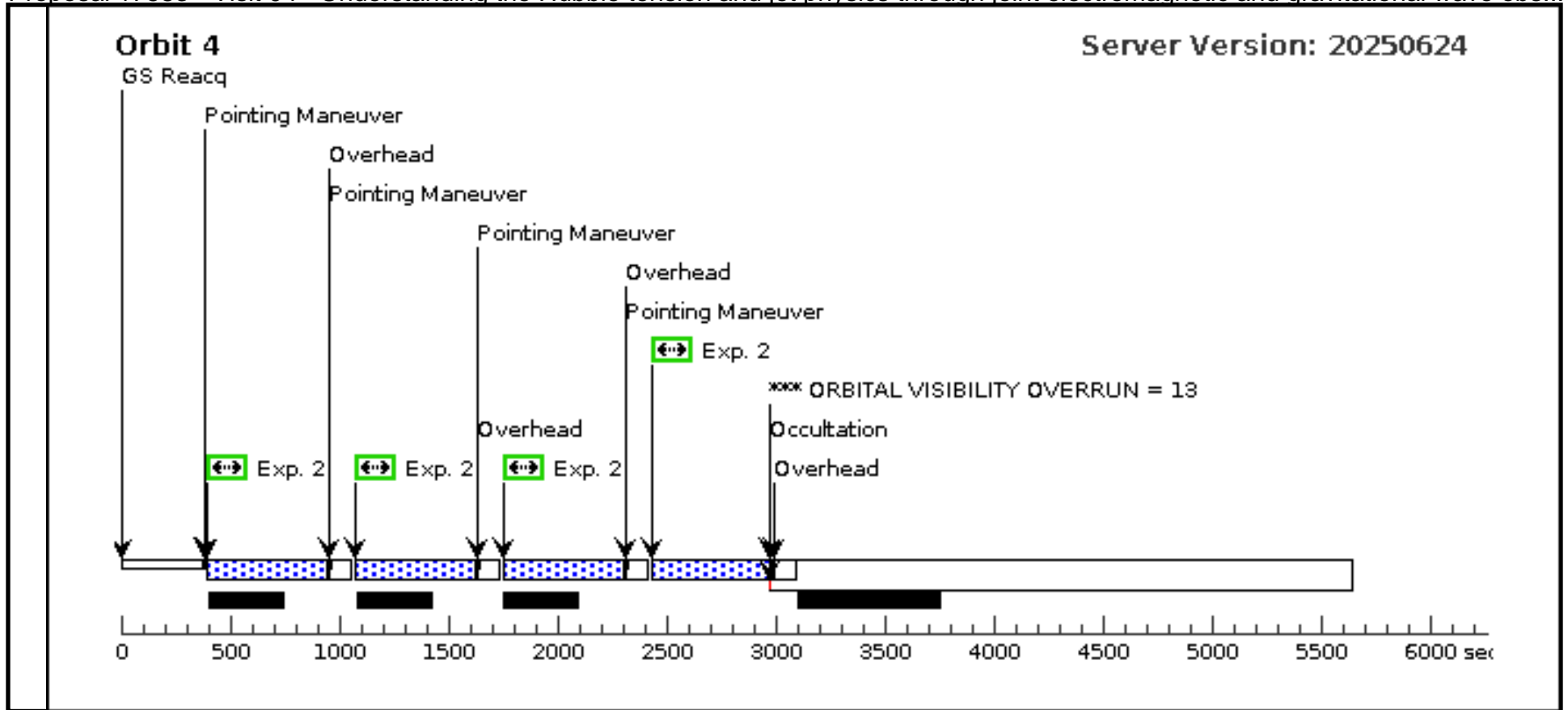
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) GW-AFTERGL OW-1	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 3, Exps 1-1 i n Visit 04 (3)	552.937252 Secs (4423.498 Secs)	
								[==>(Pattern 1,1)]	[1]
								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
	[==>(Pattern 1,4)]								
	[==>(Pattern 2,1)]	[2]							
	[==>(Pattern 2,2)]								
	[==>(Pattern 2,3)]								
[==>(Pattern 2,4)]									
2	(1) GW-AFTERGL OW-1	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO			Pattern 4, Exps 2-2 i n Visit 04 (4)	550 Secs (4400 Secs)	
								[==>(Pattern 1,1)]	[3]
								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
[==>(Pattern 1,4)]									
[==>(Pattern 2,1)]	[4]								
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Orbit 3

Server Version: 20250624





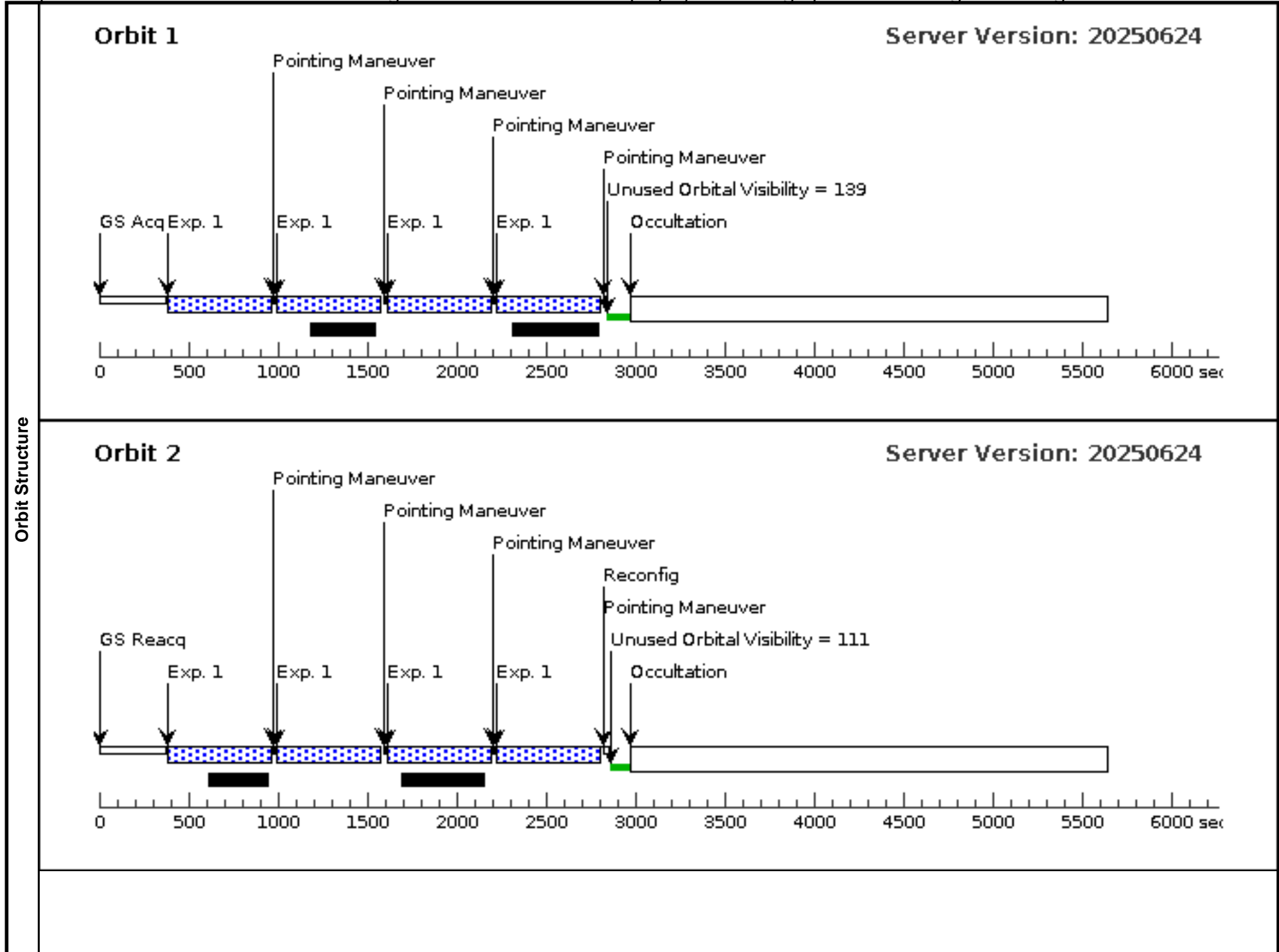
Proposal 17583 - Visit 05 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 05, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>				
	Diagnosics (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
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	(4)	Pattern Type=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	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false
Generic Targets	#	Name	Criteria	Description	
	(1)	GW-AFTERGLOW-1	GW counterpart candidate		

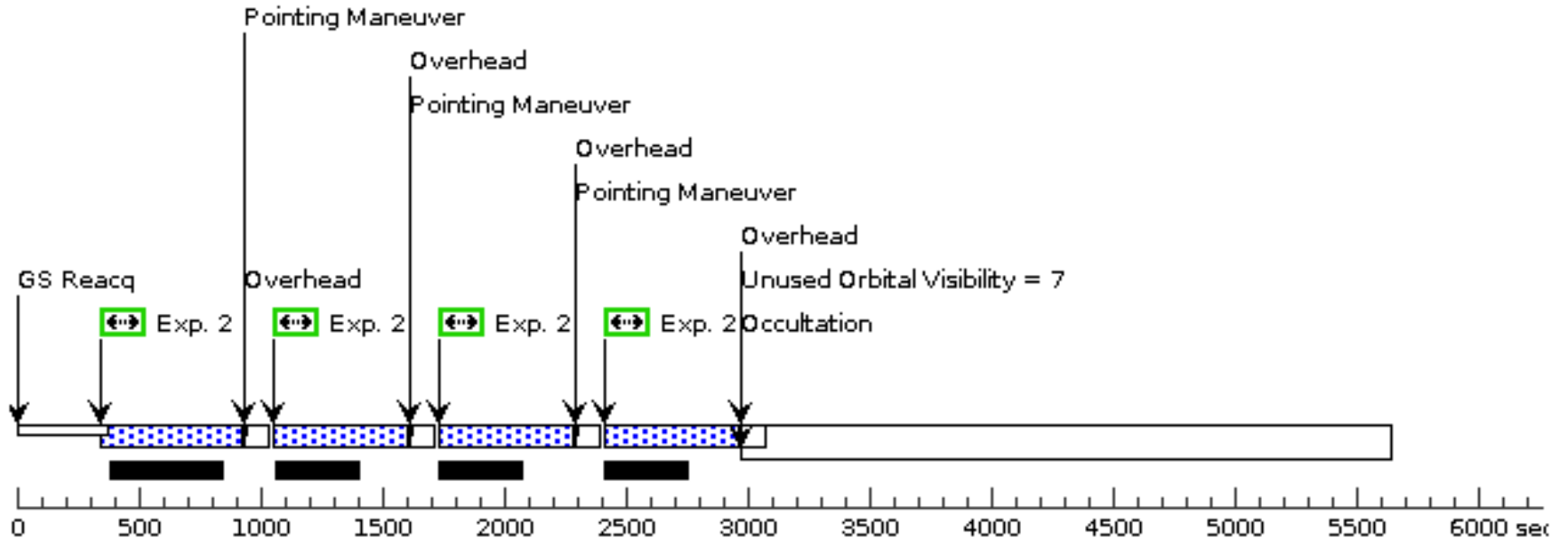
Proposal 17583 - Visit 05 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

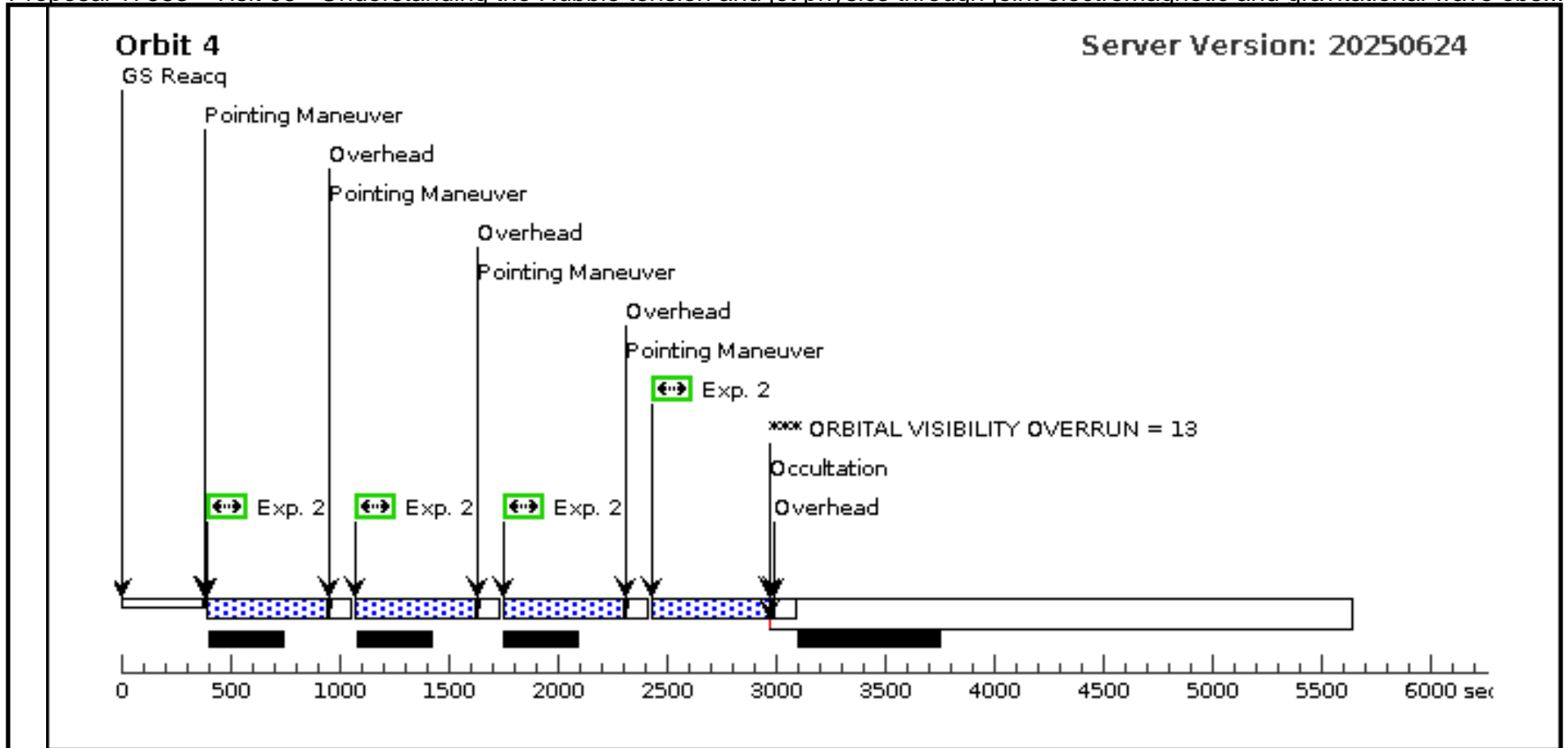
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) GW-AFTERGL OW-1	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 3, Exps 1-1 i n Visit 05 (3)	552.937252 Secs (4423.498 Secs)	
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								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
	[==>(Pattern 1,4)]								
	[==>(Pattern 2,1)]	[2]							
	[==>(Pattern 2,2)]								
	[==>(Pattern 2,3)]								
[==>(Pattern 2,4)]									
2	(1) GW-AFTERGL OW-1	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO			Pattern 4, Exps 2-2 i n Visit 05 (4)	550 Secs (4400 Secs)	
								[==>(Pattern 1,1)]	[3]
								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
[==>(Pattern 1,4)]									
[==>(Pattern 2,1)]	[4]								
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Orbit 3

Server Version: 20250624

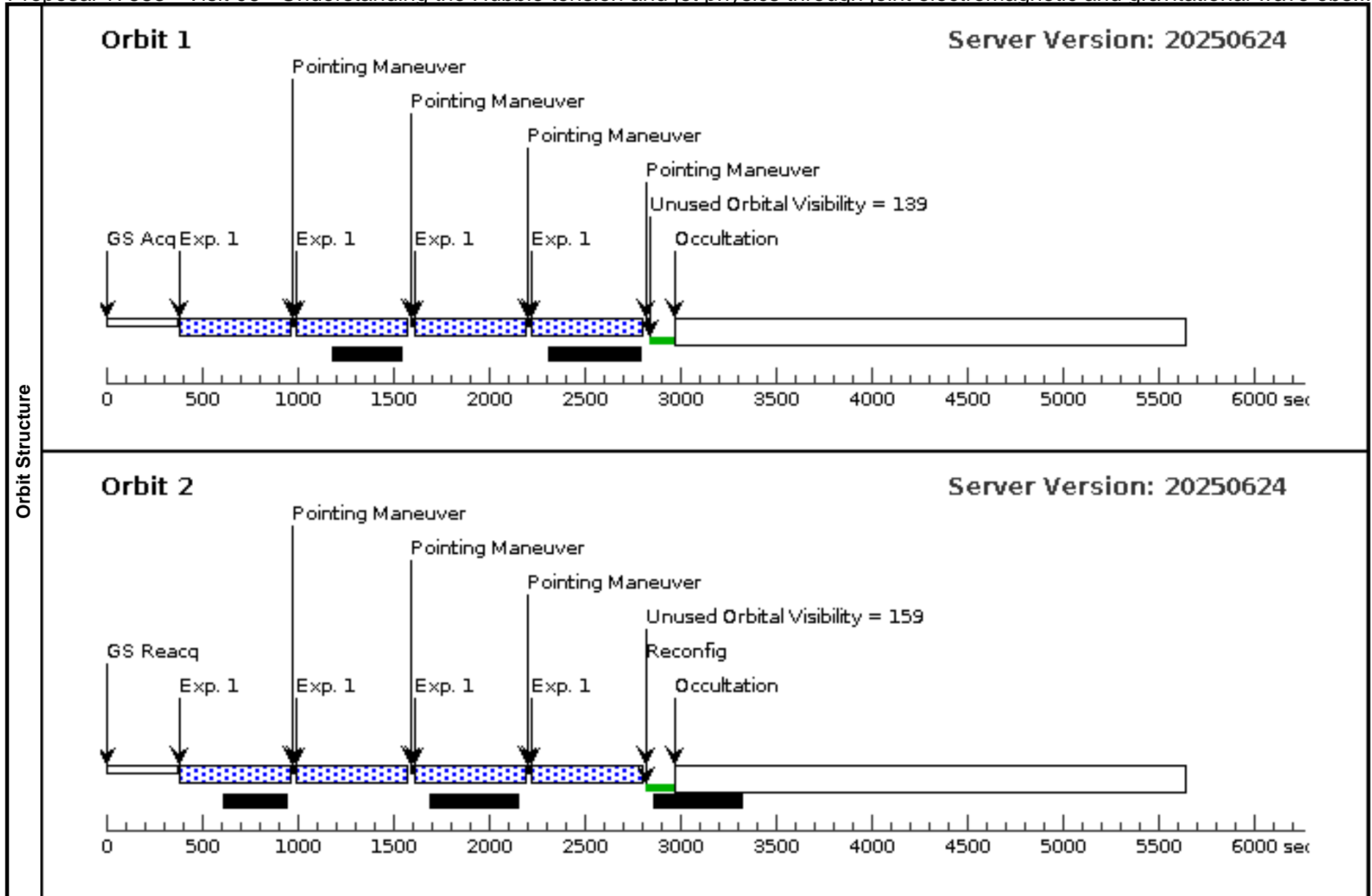




Proposal 17583 - Visit 06 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

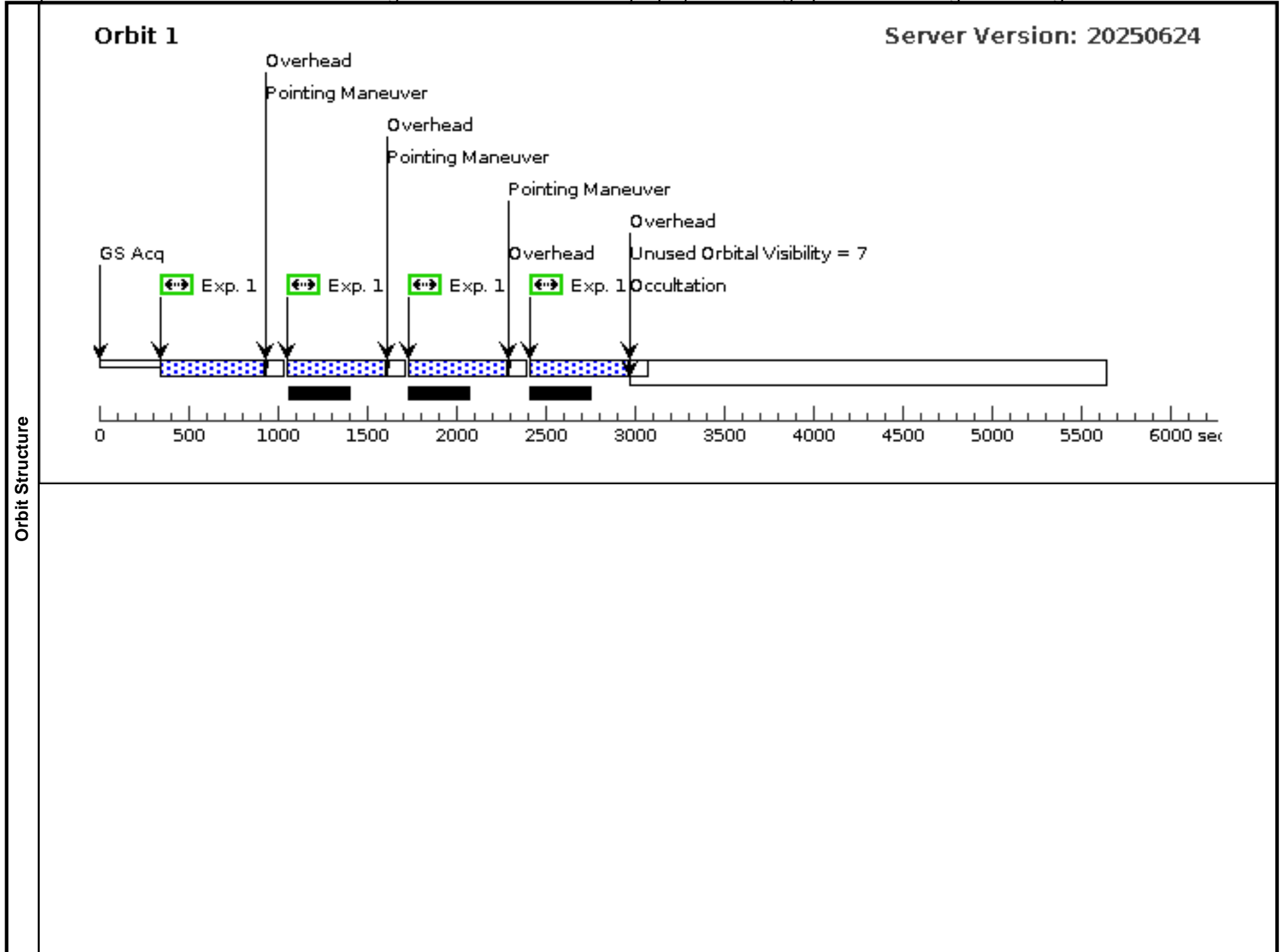
Visit	Proposal 17583, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	Patterns	#	Primary Pattern				Secondary Pattern			
(3)		Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.7 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=42 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)				
Generic Targets	#	Name	Criteria		Description					
	(1)	GW-AFTERGLOW-1	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) GW-AFTERGLOW-1	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 3, Exps 1-1 in Visit 06 (3)	552.937252 Secs (4423.498 Secs)	[1] [2]	

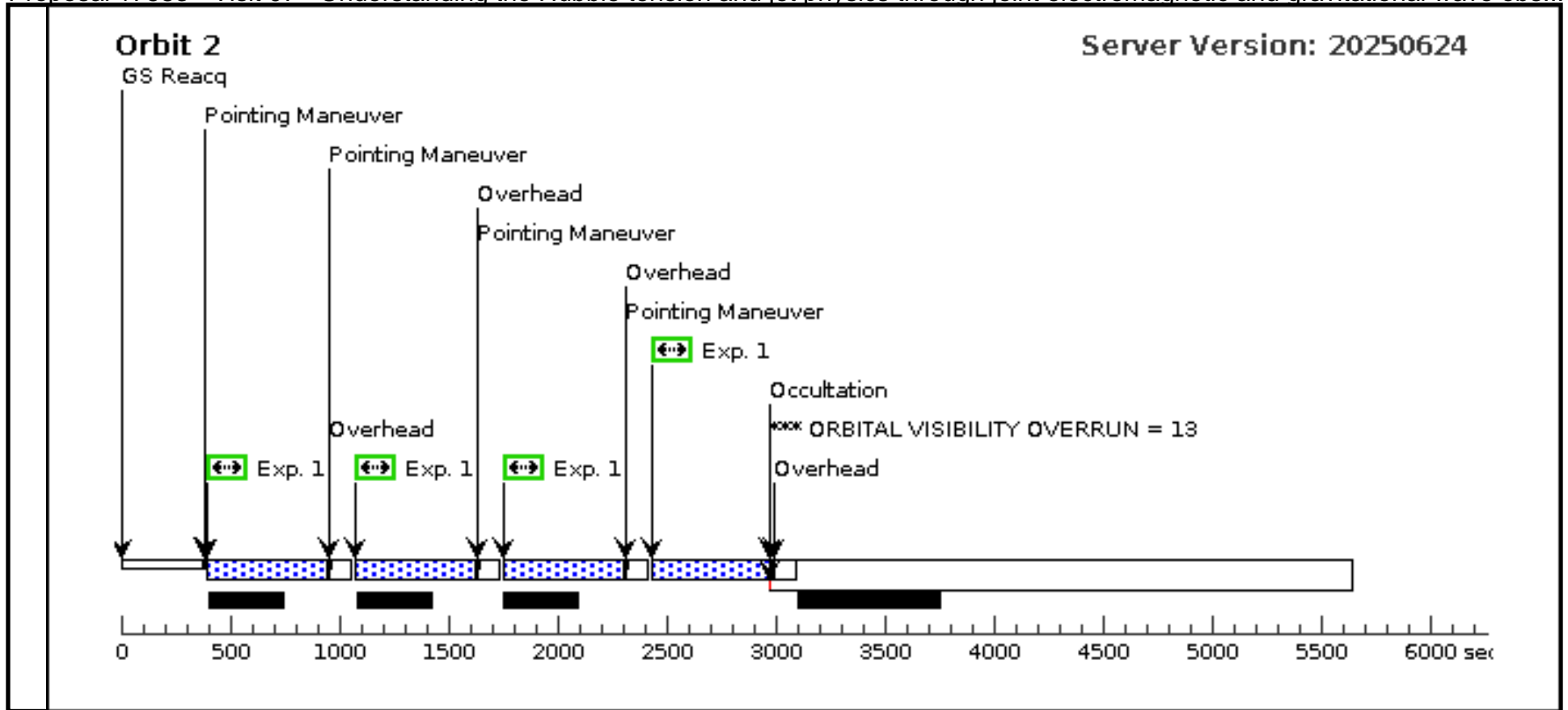


Proposal 17583 - Visit 07 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 07, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	Diagnosics (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(4)	Pattern Type=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	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)				
Generic Targets	#	Name	Criteria			Description				
	(1)	GW-AFTERGLOW-1	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GW-AFTERGLOW-1	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 4, Exps 1-1 in Visit 07 (4)	550 Secs (4400 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 1,3)] [=>(Pattern 1,4)] [=>(Pattern 2,1)] [=>(Pattern 2,2)] [=>(Pattern 2,3)] [=>(Pattern 2,4)]	[1] [2]

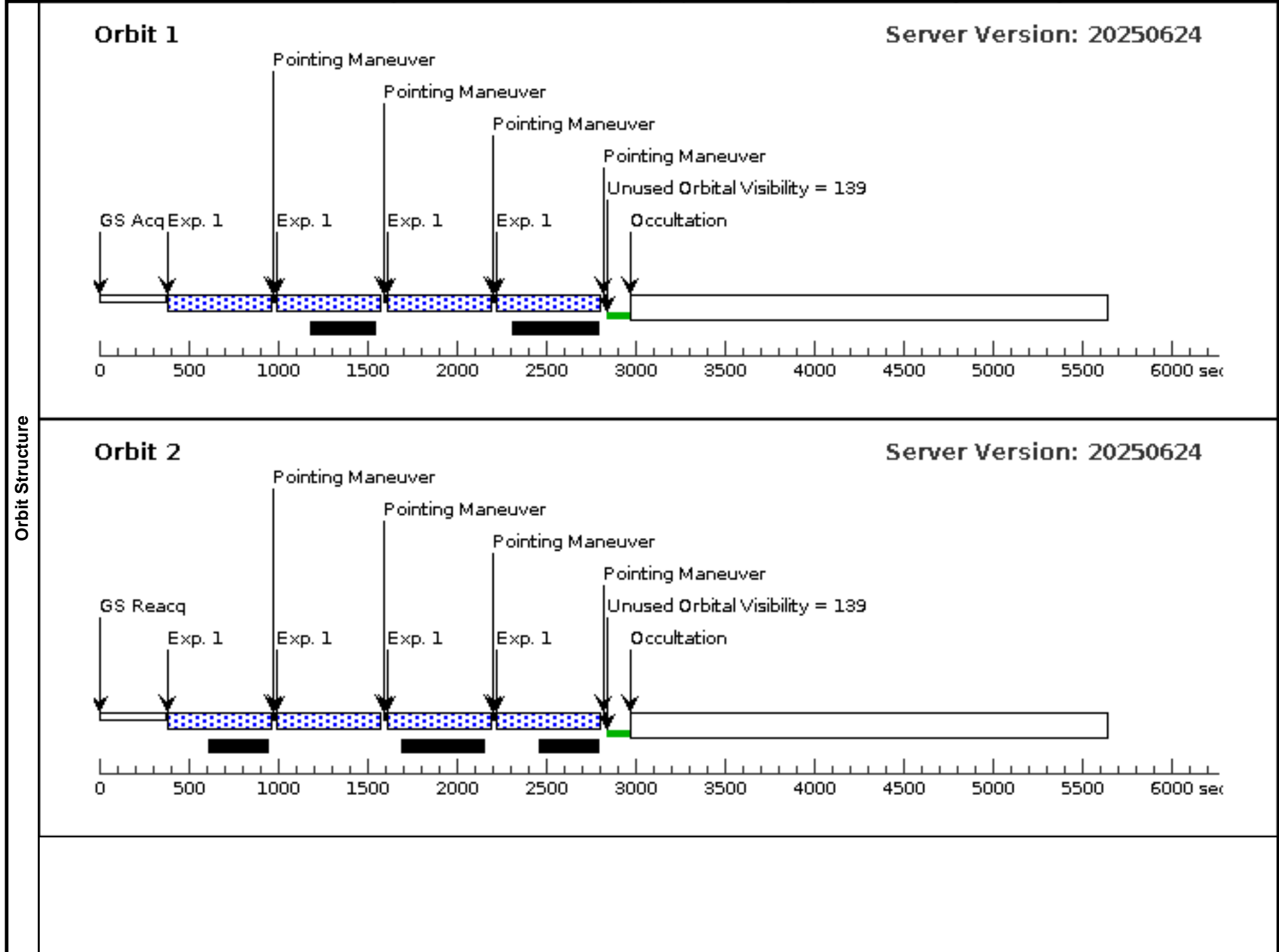




Proposal 17583 - Visit 08 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

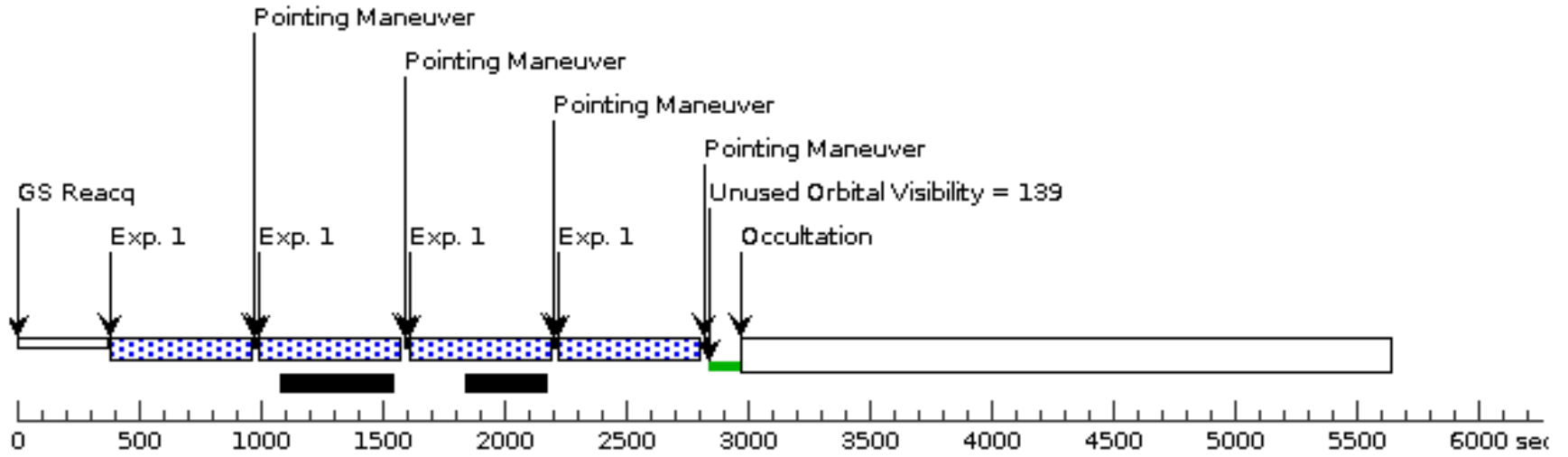
Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(6)	Pattern Type=LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.7 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=42 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)			
Generic Targets	#	Name	Criteria	Description						
	(1)	GW-AFTERGLOW-1	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GW-AFTERGL OW-1	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 6, Exps 1-1 i n Visit 08 (6)	552.937252 Secs (8846.996 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] [==>(Pattern 1,4)]	[1]
									[==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] [==>(Pattern 2,4)]	[2]
									[==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 3,3)] [==>(Pattern 3,4)]	[3]
								[==>(Pattern 4,1)] [==>(Pattern 4,2)] [==>(Pattern 4,3)] [==>(Pattern 4,4)]	[4]	



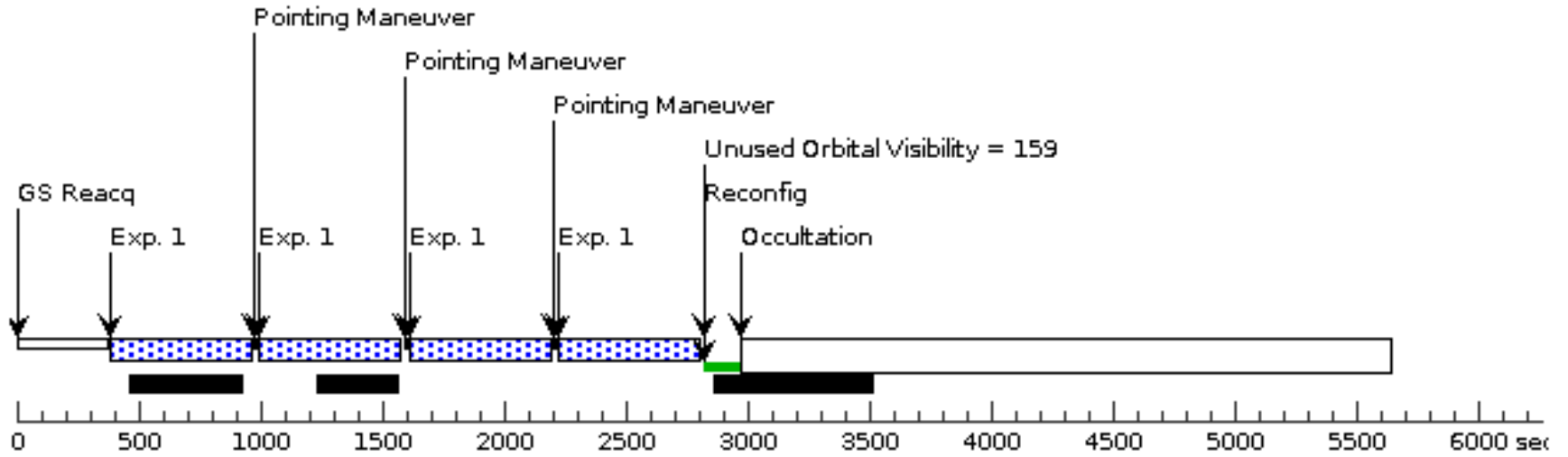
Orbit 3

Server Version: 20250624



Orbit 4

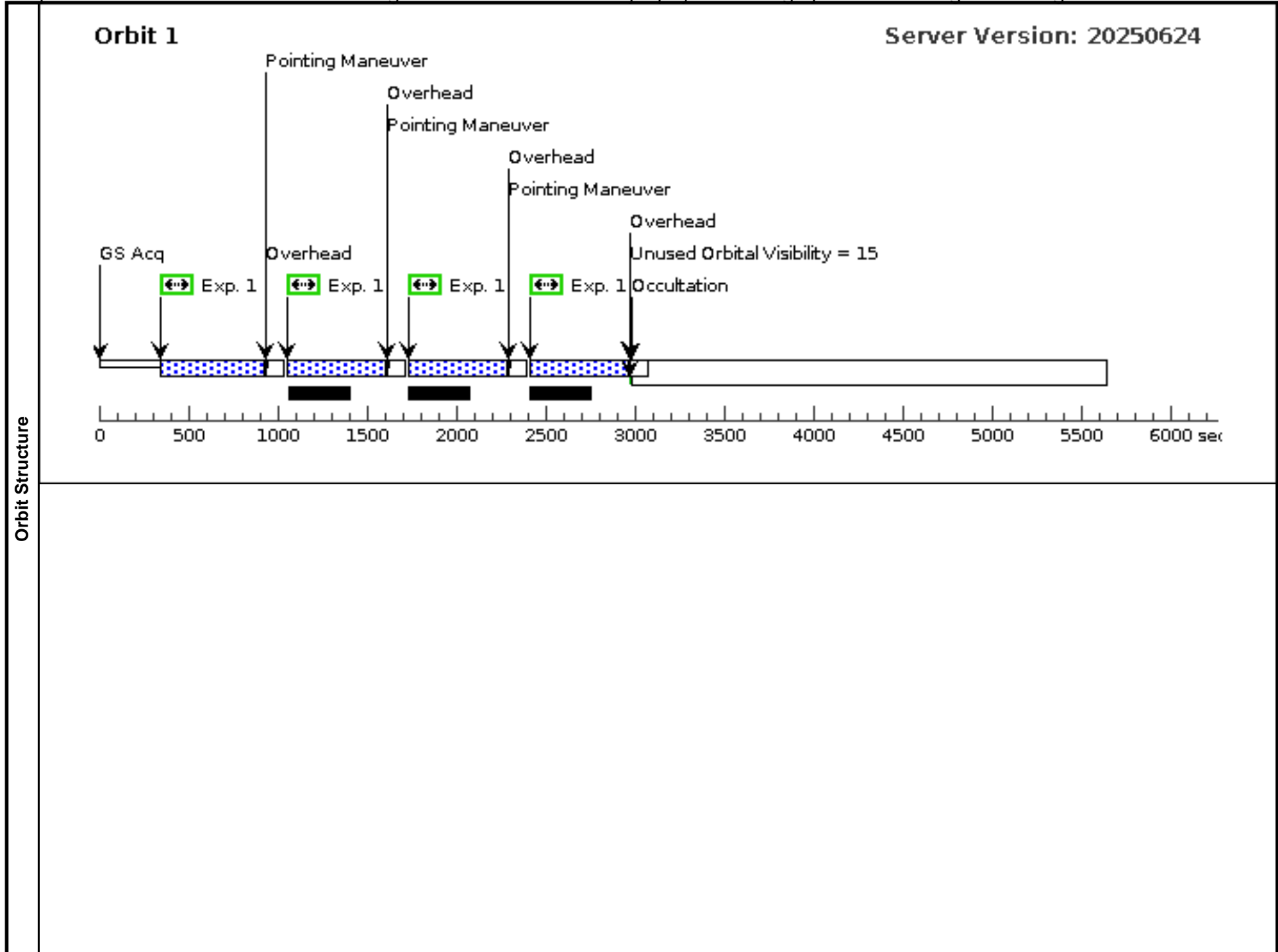
Server Version: 20250624



Proposal 17583 - Visit 09 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

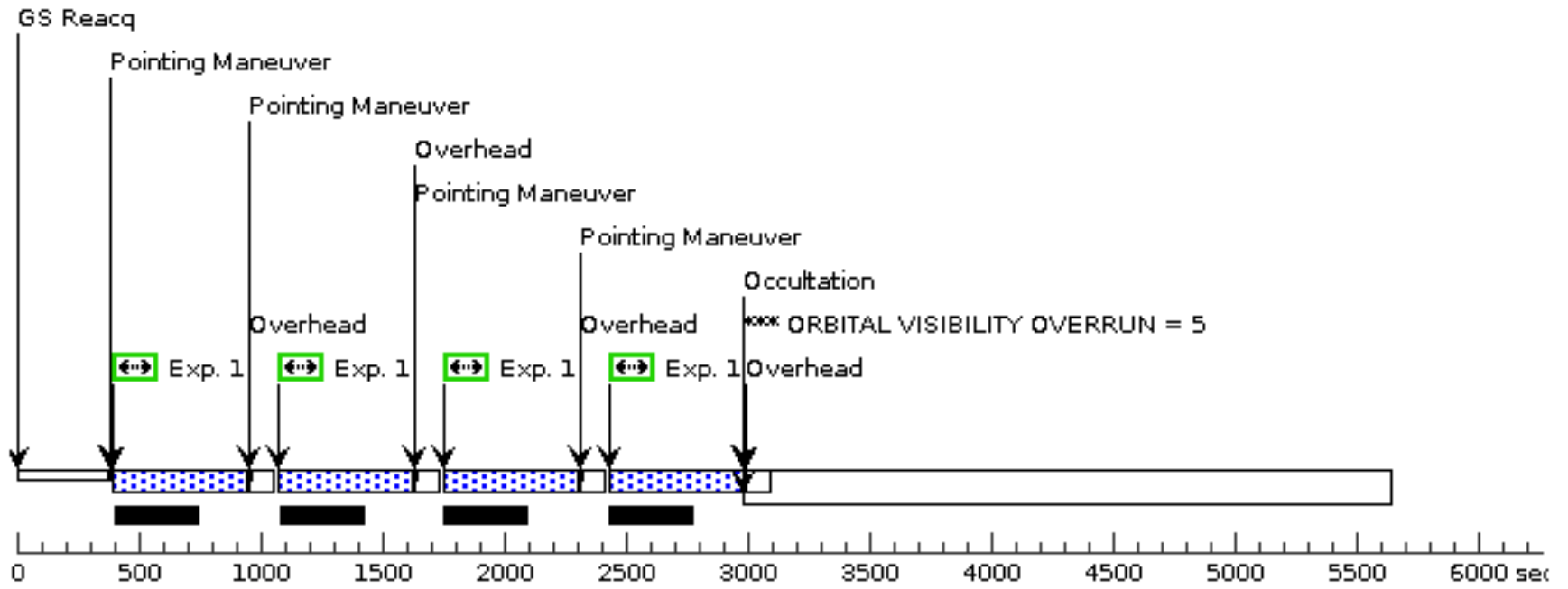
Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 09, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 26-DEC-2025:00:00:00 AND 05-JAN-2026:00:00:00; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	(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
	(5)	Pattern Type=LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	AT2025ULZ	RA: 15 51 54.1900 (237.9757917d) Dec: +30 54 8.59 (30.90239d) Equinox: J2000	Epoch of Position: 2000	V=27	Reference Frame: ICRS				
<i>Comments: The source lies on top of a galaxy and is therefore noted as being extended. However, the transient itself is a point source.</i> Category=STAR Description=[JET, NEUTRON STAR] Extended=YES										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) AT2025ULZ	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 5, Exps 1-1 i n Visit 09 (5)	550 Secs (8800 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] [==>(Pattern 1,4)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] [==>(Pattern 2,4)] [==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 3,3)] [==>(Pattern 3,4)] [==>(Pattern 4,1)] [==>(Pattern 4,2)] [==>(Pattern 4,3)] [==>(Pattern 4,4)]	[1] [2] [3] [4]



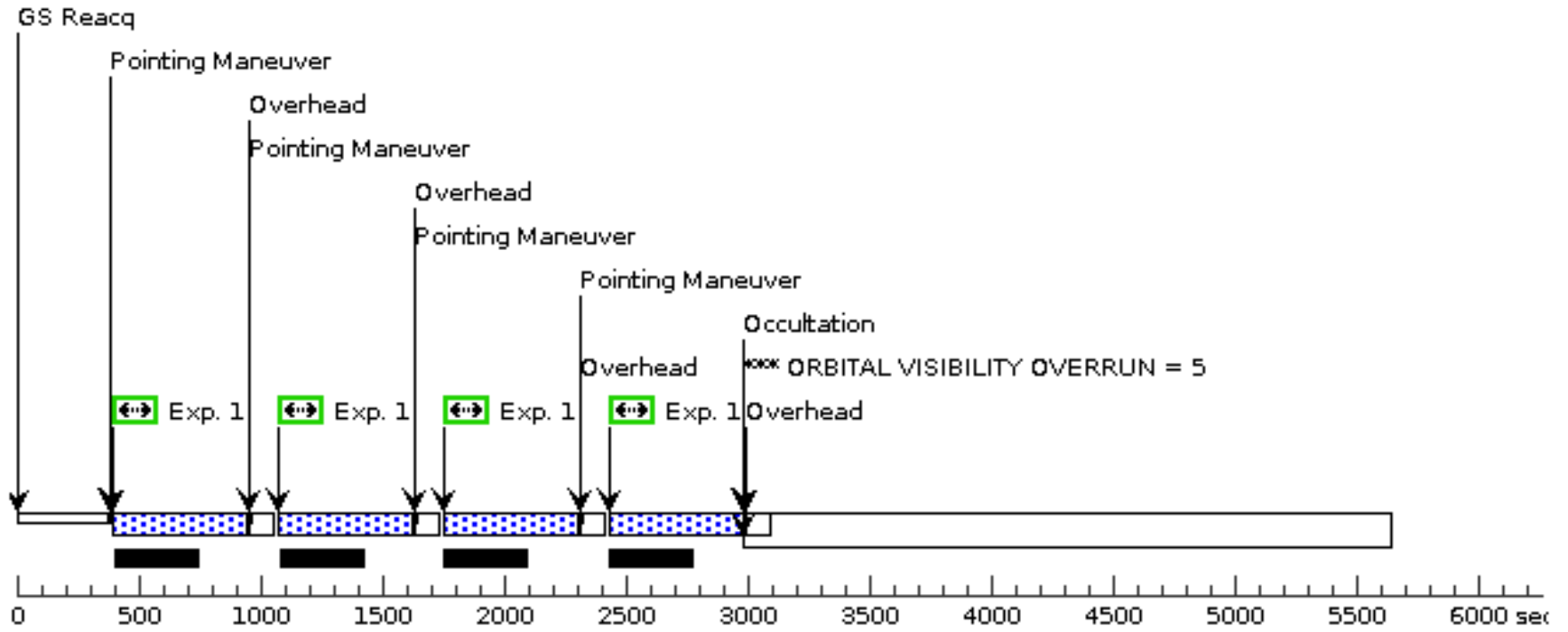
Orbit 2

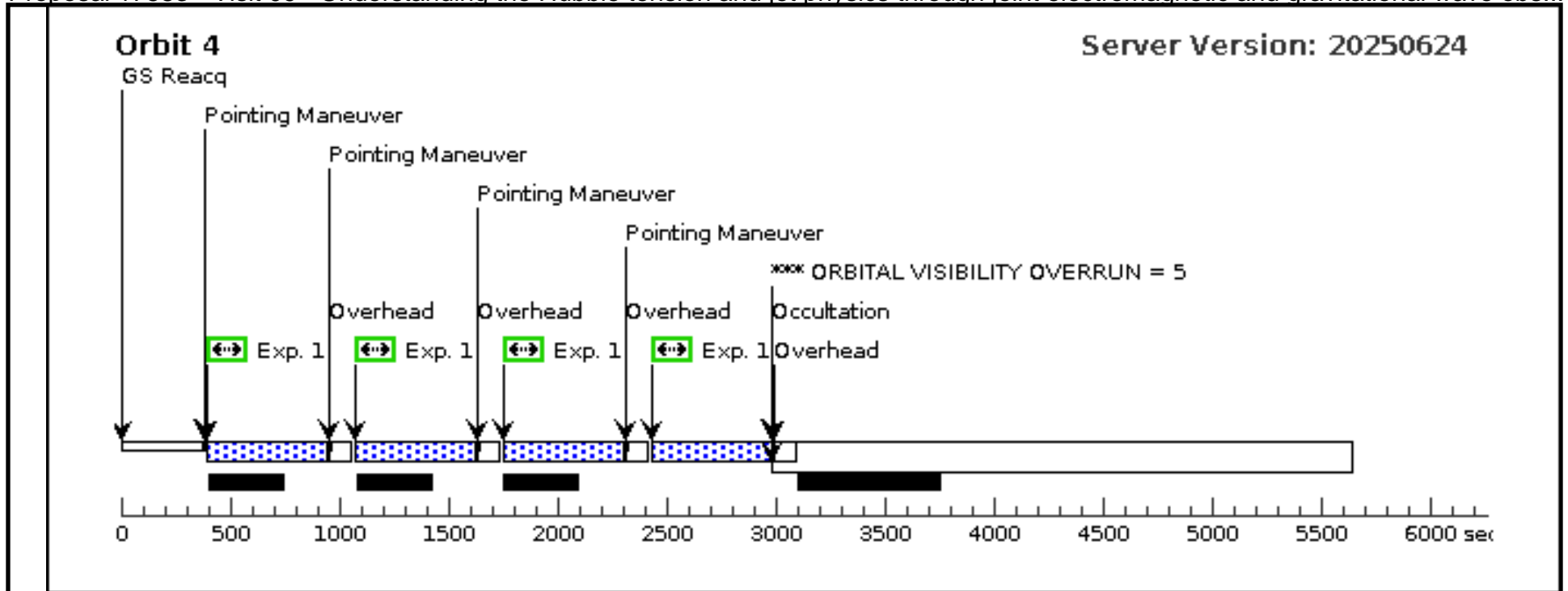
Server Version: 20250624



Orbit 3

Server Version: 20250624

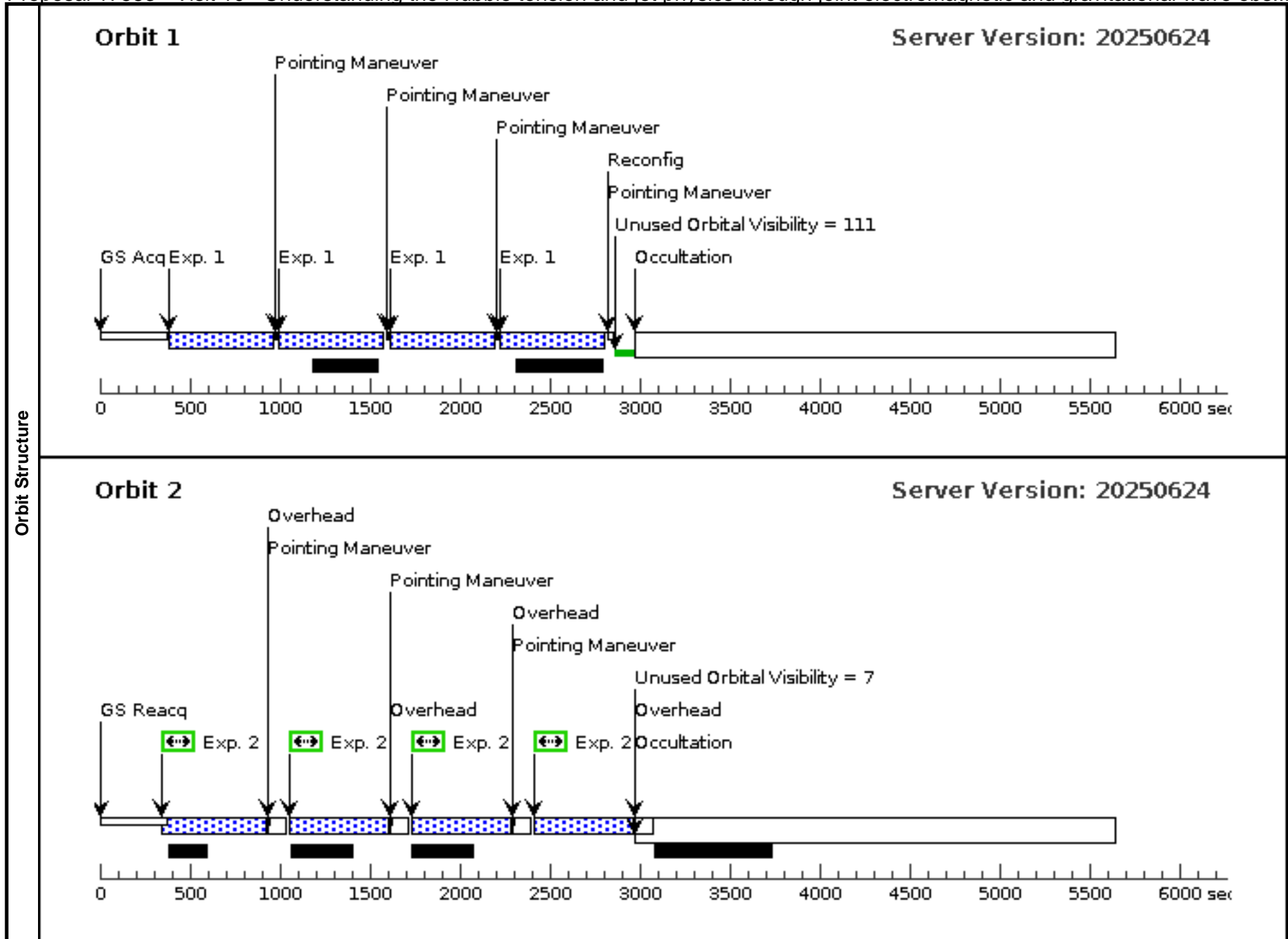




Proposal 17583 - Visit 10 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

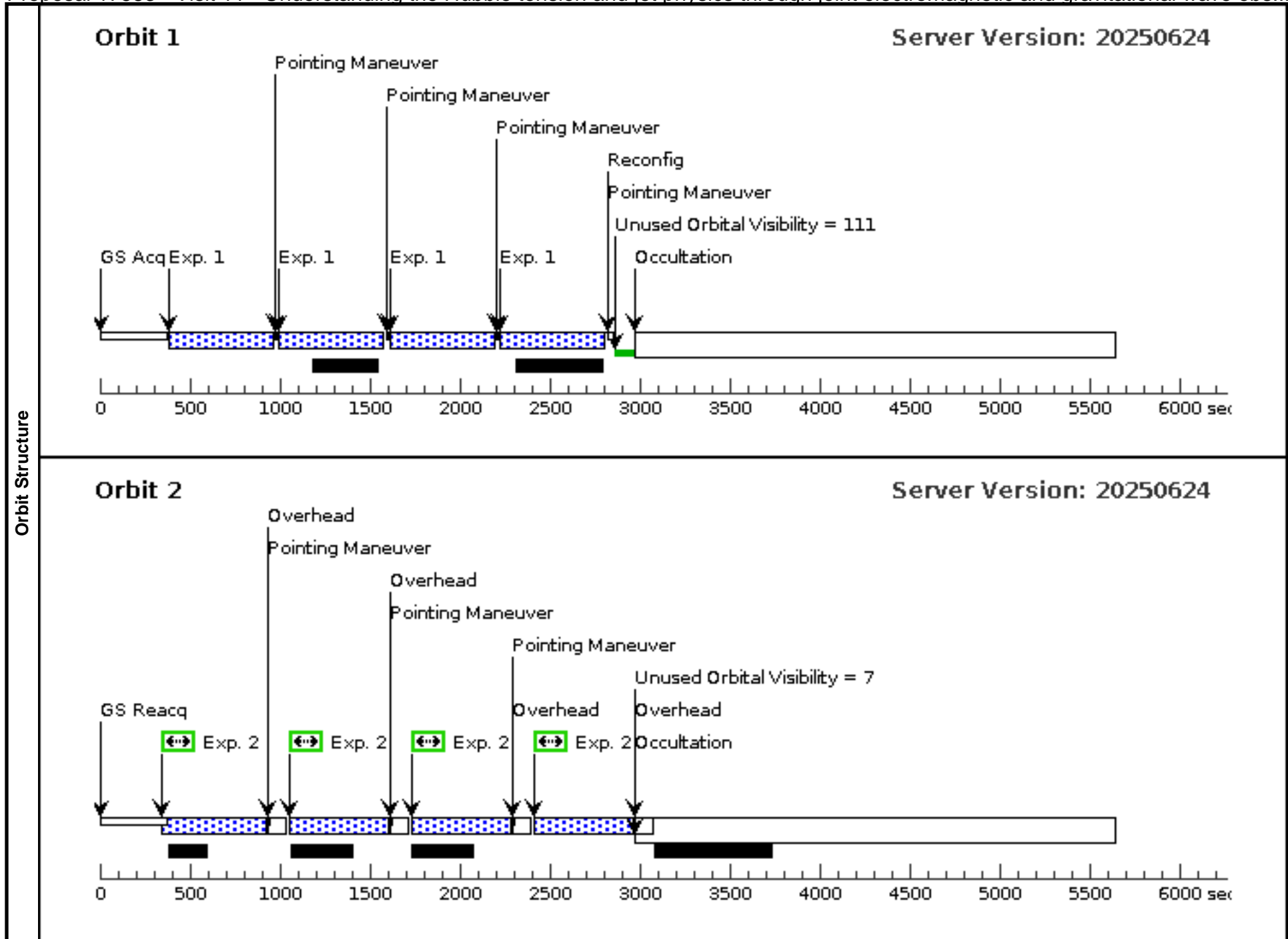
Visit	Proposal 17583, Visit 10, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(2)						
Generic Targets	#	Name	Criteria	Description						
	(2)	GW-AFTERGLOW-2	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GW-AFTERGLOW-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 10 (1)	552.937252 Secs (2211.749 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) GW-AFTERGLOW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 2, Exps 2-2 in Visit 10 (2)	550 Secs (2200 Secs)	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 17583 - Visit 11 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

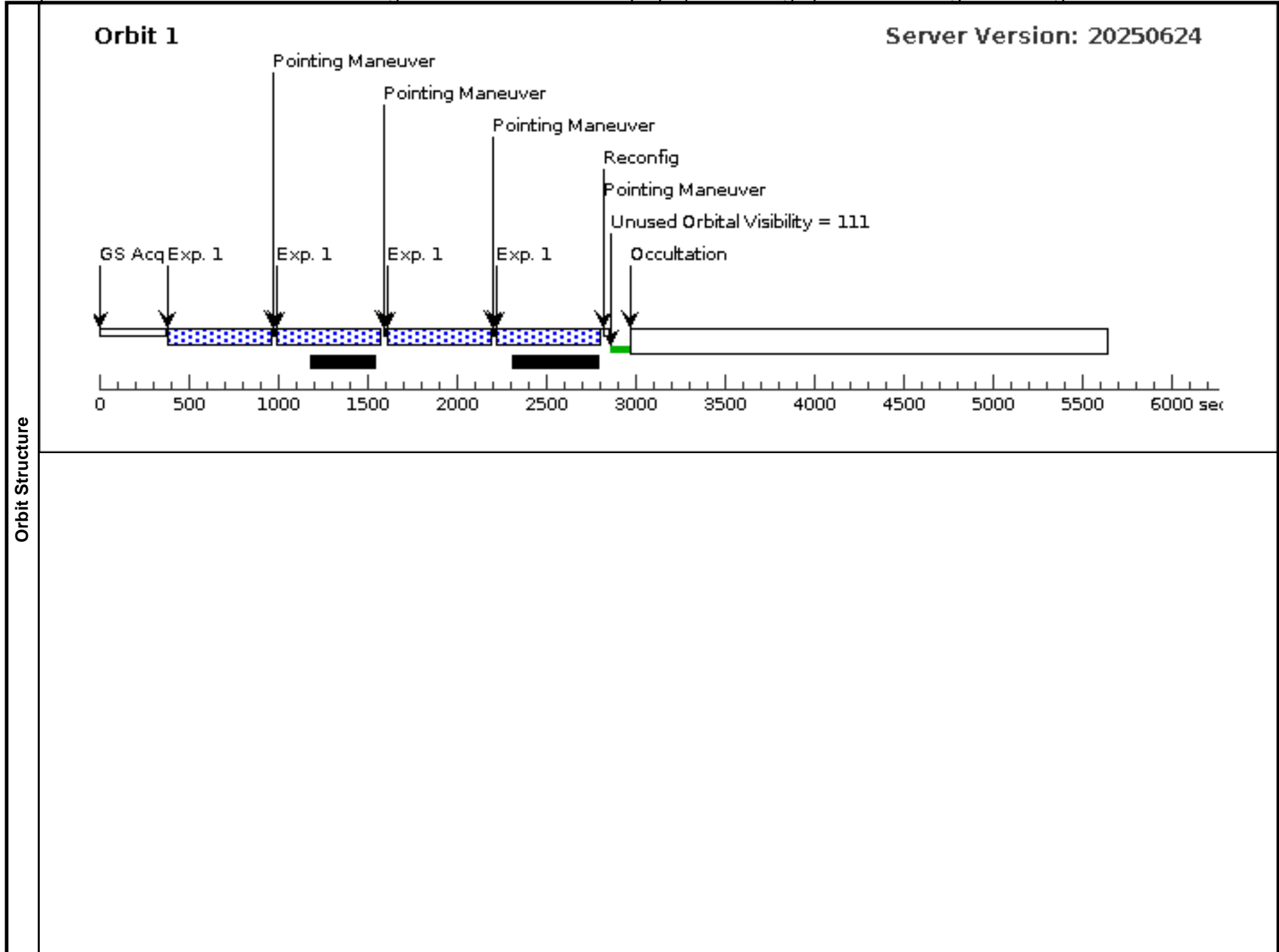
Visit	Proposal 17583, Visit 11, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(2)						
Generic Targets	#	Name	Criteria	Description						
	(2)	GW-AFTERGLOW-2	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GW-AFTERGLOW-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in Visit 11 (1)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(2) GW-AFTERGLOW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 2, Exps 2-2 in Visit 11 (2)	550 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]	

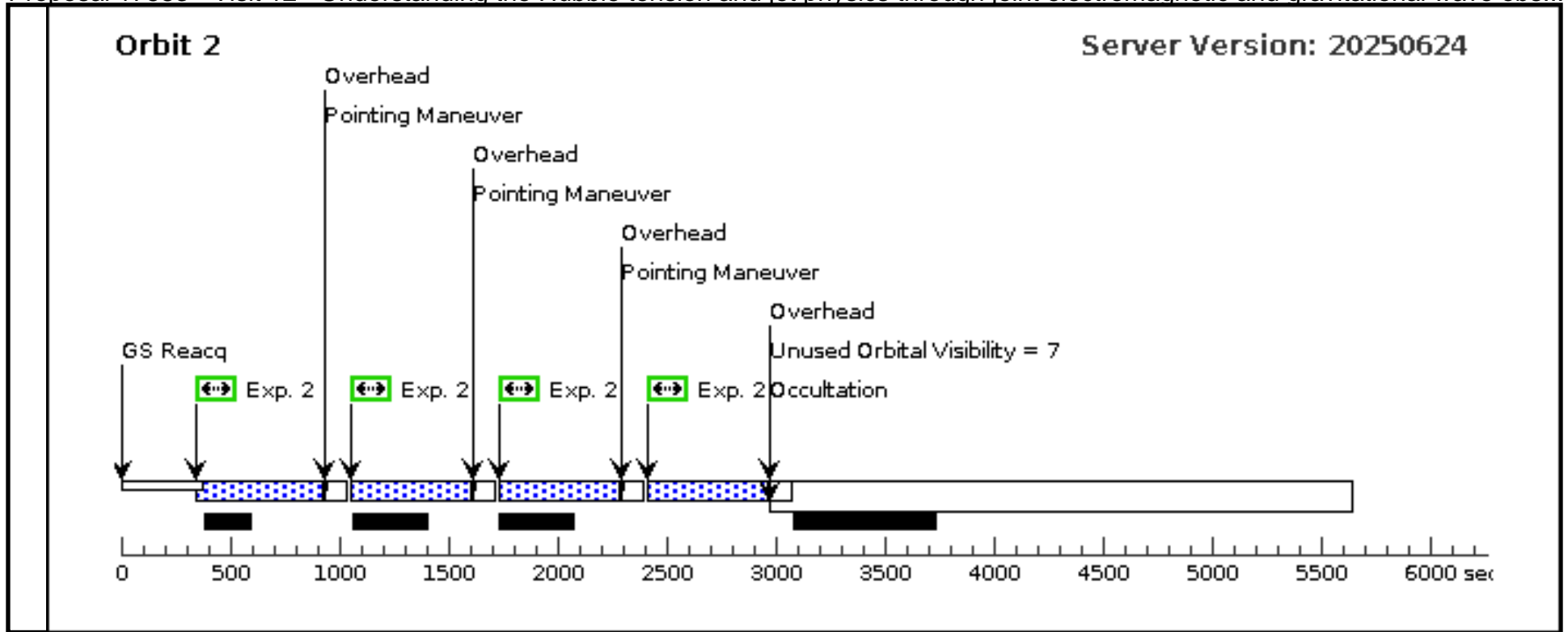


Proposal 17583 - Visit 12 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 12, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(2)						
Generic Targets	#	Name	Criteria	Description						
	(2)	GW-AFTERGLOW-2	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GW-AFTERGLOW-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in Visit 12 (1)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(2) GW-AFTERGLOW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 2, Exps 2-2 in Visit 12 (2)	550 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]	





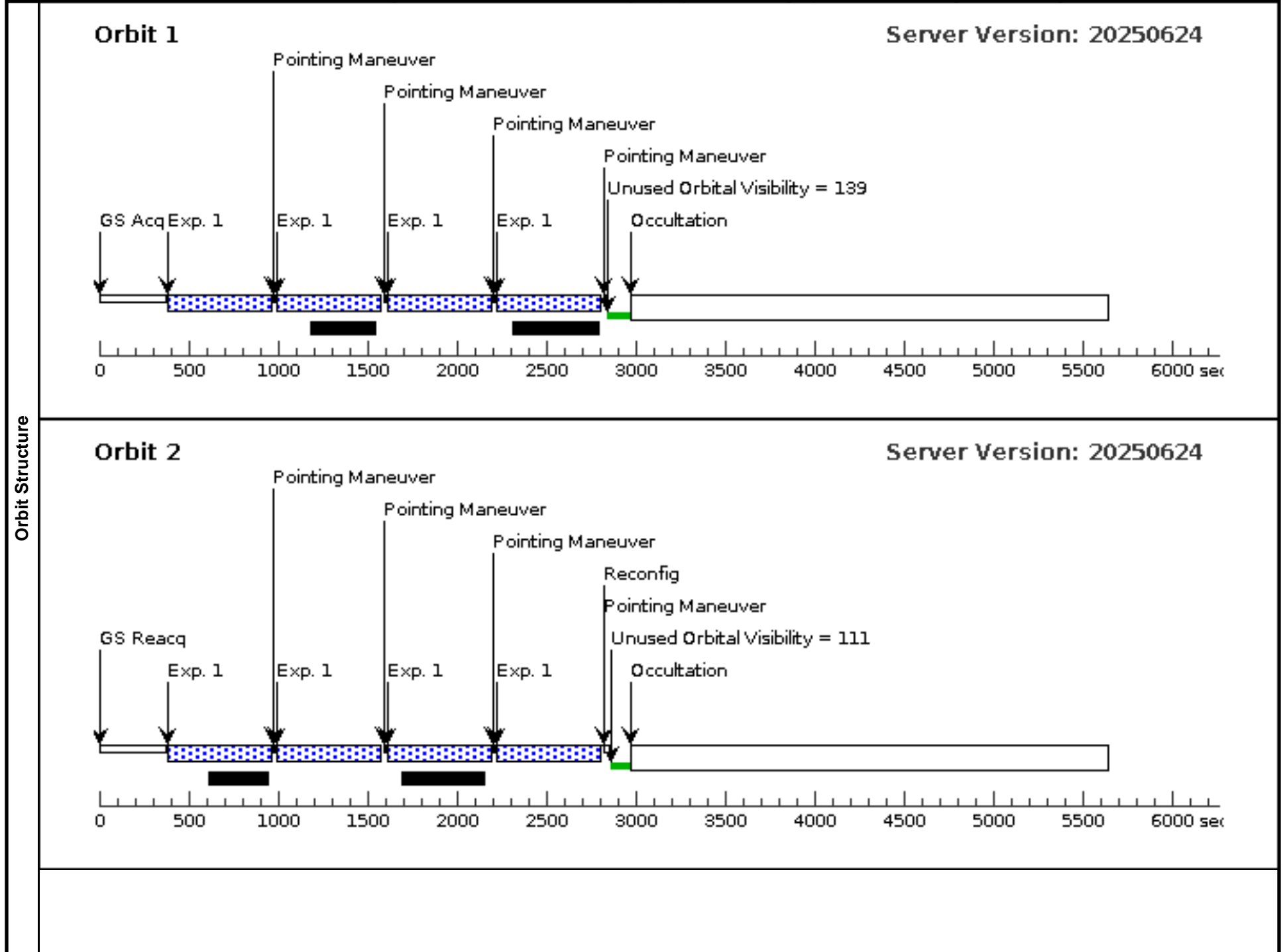
Proposal 17583 - Visit 13 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 13, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>				
	Diagnosics (Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.7 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=42 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false
	(4)	Pattern Type=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	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false
Generic Targets	#	Name	Criteria	Description	
	(2)	GW-AFTERGLOW-2	GW counterpart candidate		

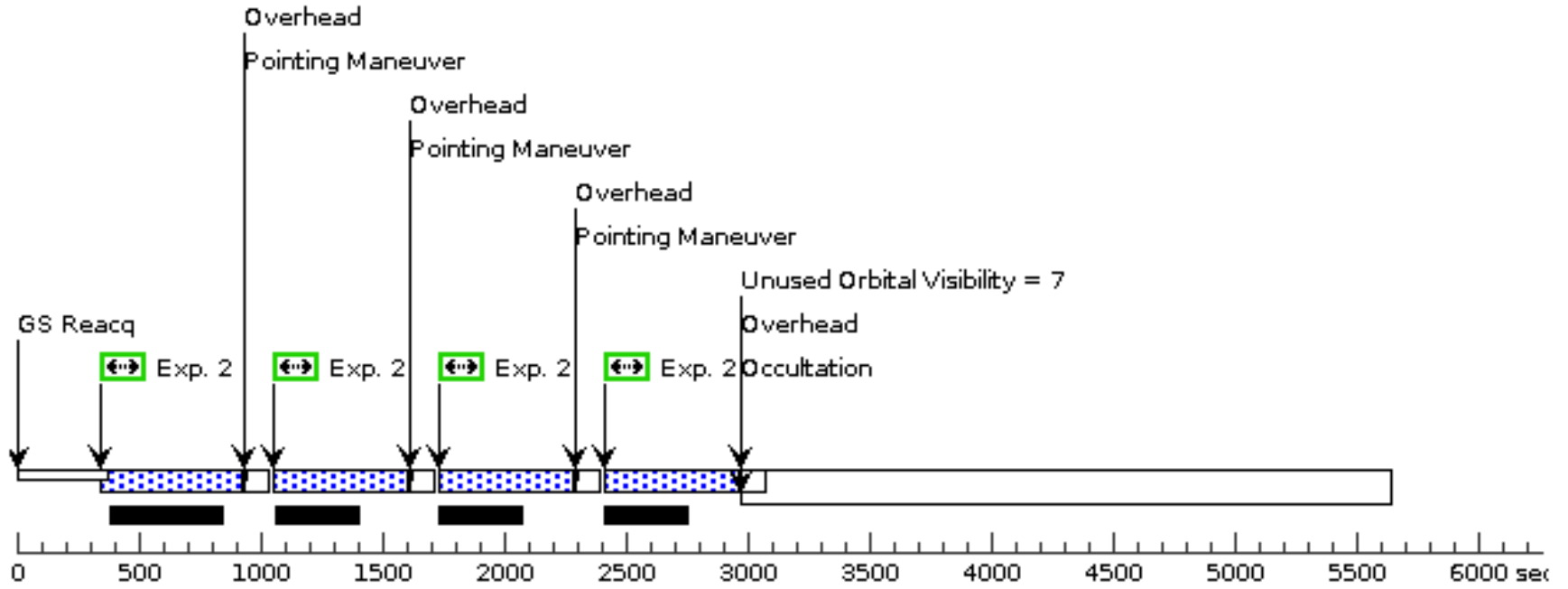
Proposal 17583 - Visit 13 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

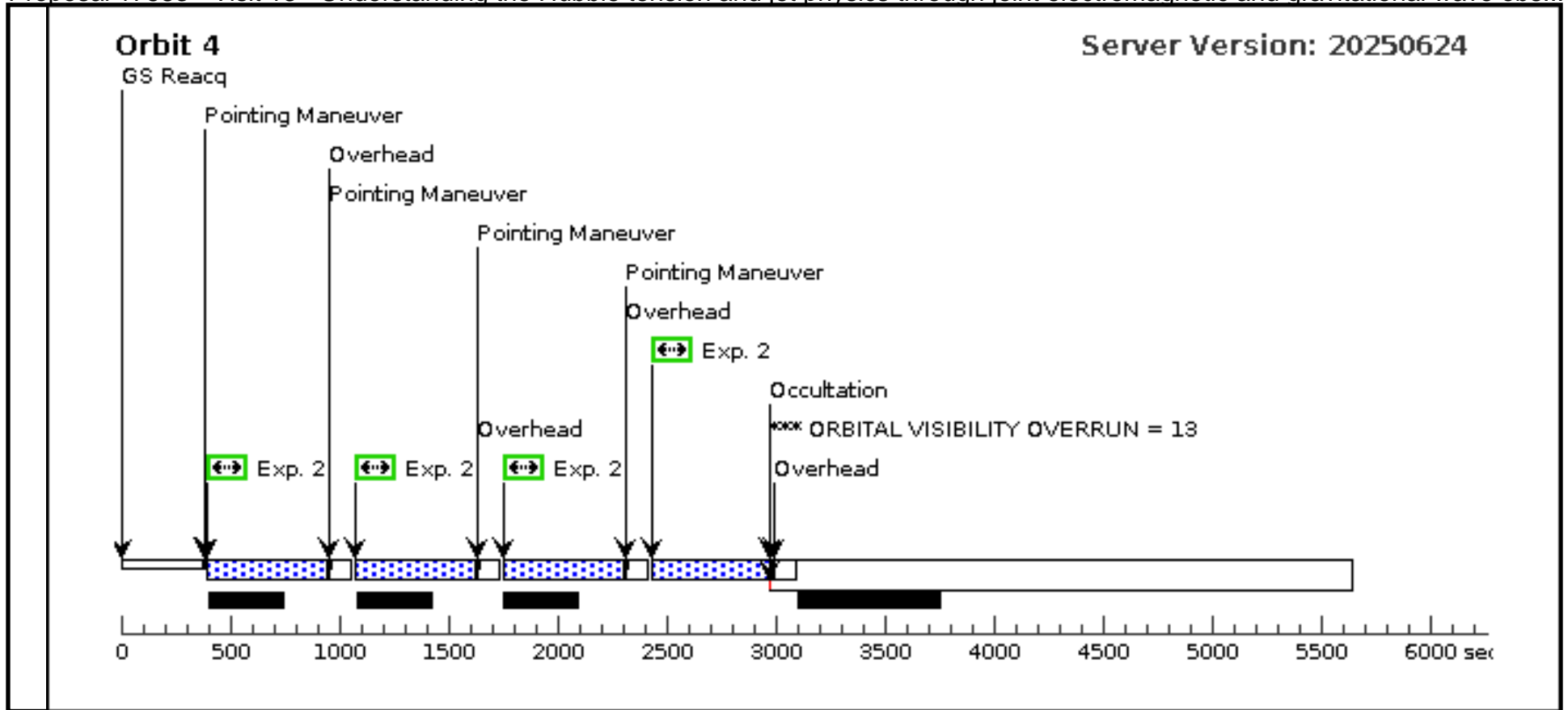
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(2) GW-AFTERGL OW-2	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 3, Exps 1-1 i n Visit 13 (3)	552.937252 Secs (4423.498 Secs)	
								[==>(Pattern 1,1)]	[1]
								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
	[==>(Pattern 1,4)]								
	[==>(Pattern 2,1)]	[2]							
	[==>(Pattern 2,2)]								
	[==>(Pattern 2,3)]								
[==>(Pattern 2,4)]									
2	(2) GW-AFTERGL OW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO			Pattern 4, Exps 2-2 i n Visit 13 (4)	550 Secs (4400 Secs)	
								[==>(Pattern 1,1)]	[3]
								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
[==>(Pattern 1,4)]									
[==>(Pattern 2,1)]	[4]								
[==>(Pattern 2,2)]									
[==>(Pattern 2,3)]									
[==>(Pattern 2,4)]									



Orbit 3

Server Version: 20250624





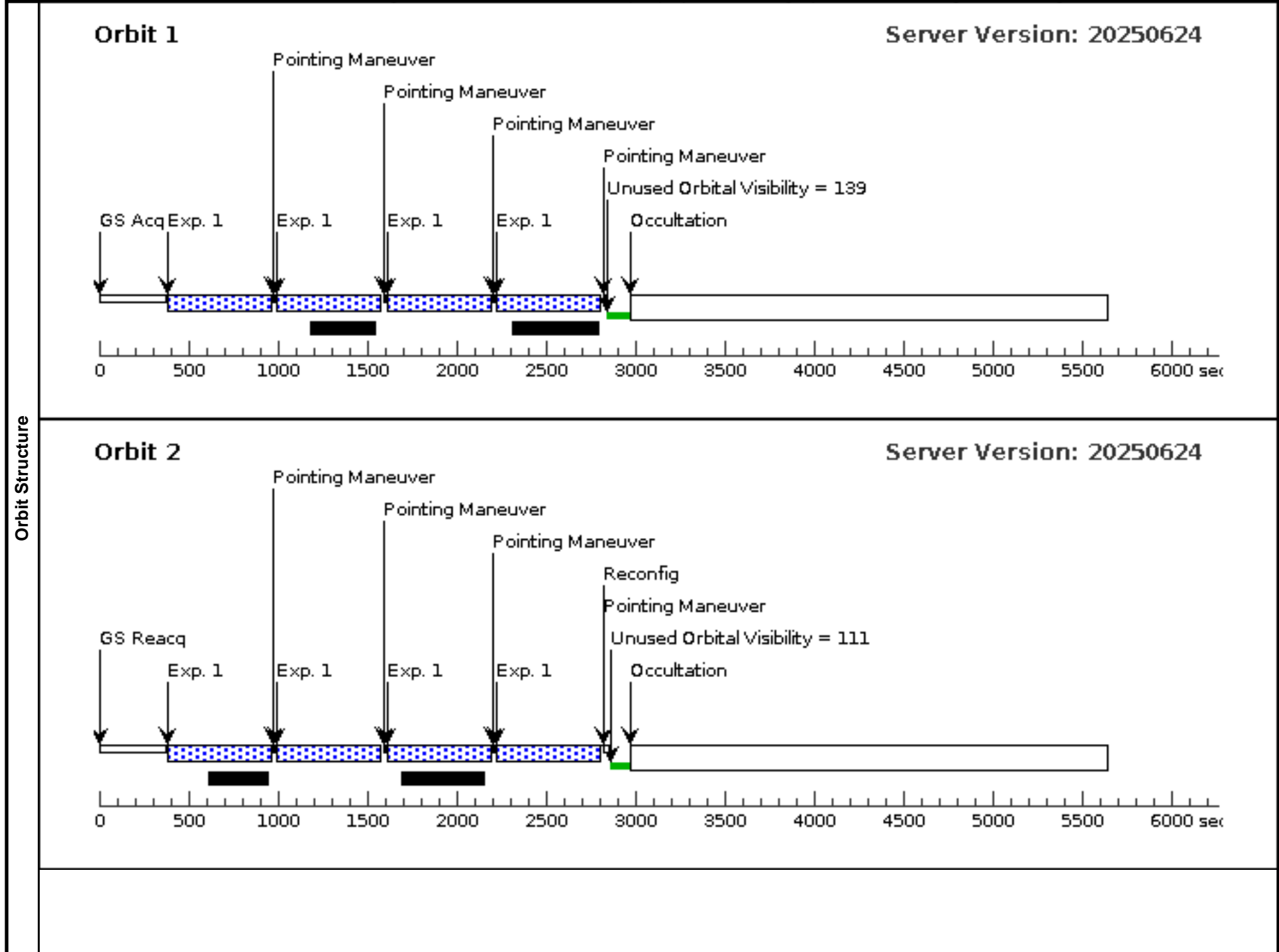
Proposal 17583 - Visit 14 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 14, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>				
	Diagnosics (Visit 14) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.7 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=42 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false
	(4)	Pattern Type=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	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false
Generic Targets	#	Name	Criteria	Description	
	(2)	GW-AFTERGLOW-2	GW counterpart candidate		

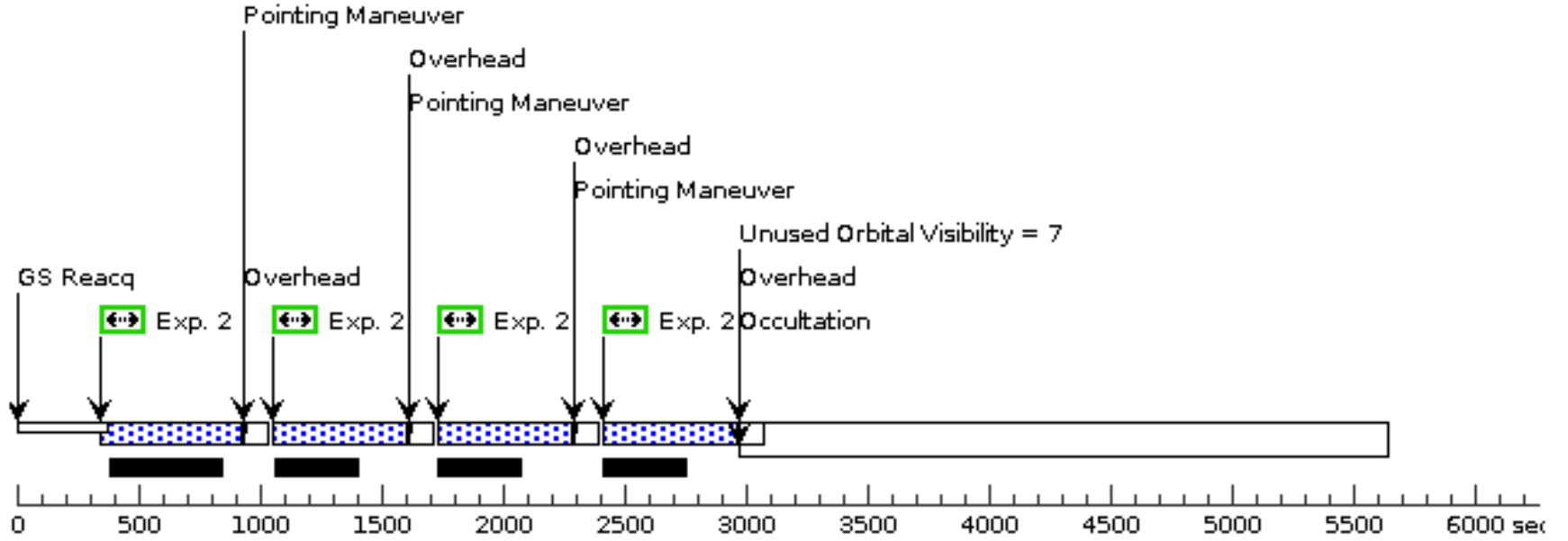
Proposal 17583 - Visit 14 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

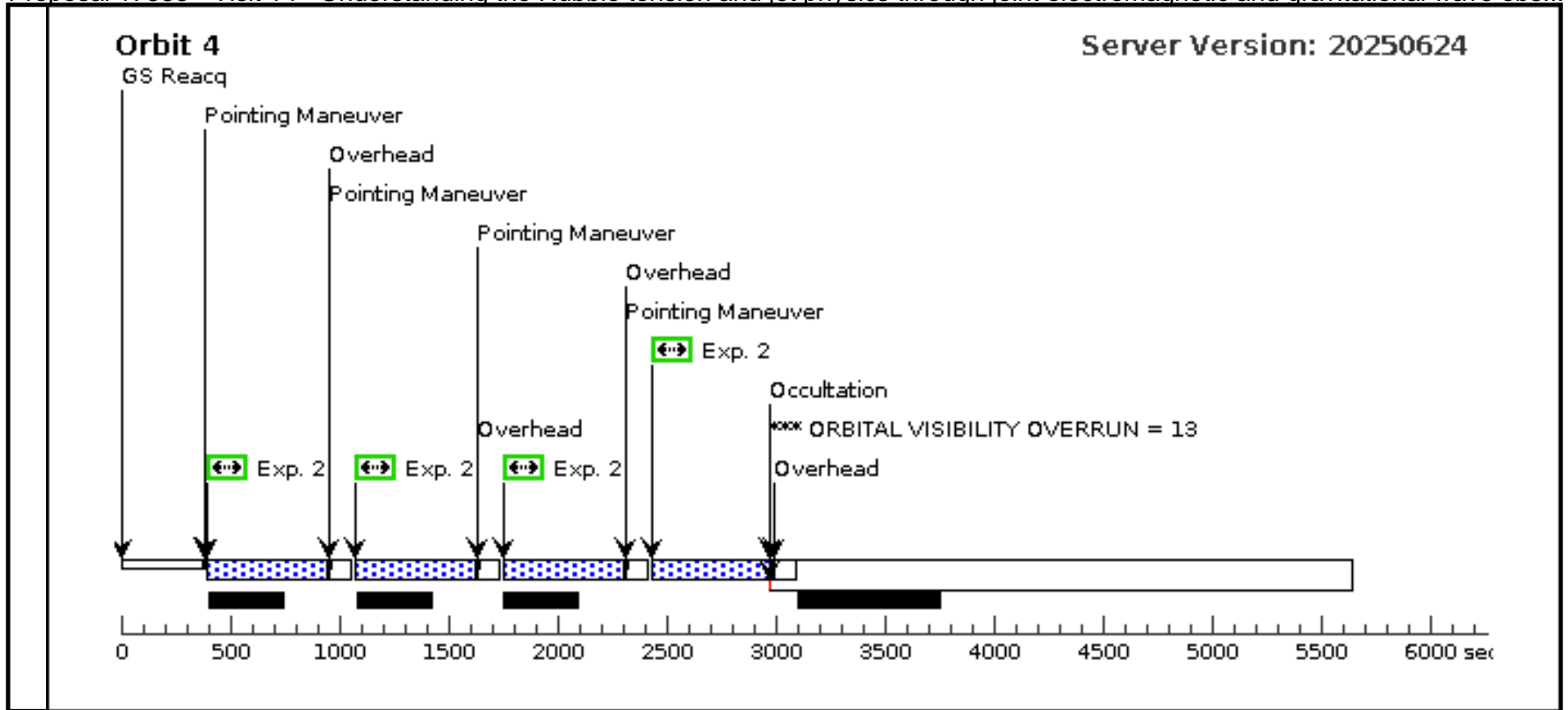
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) GW-AFTERGL OW-2	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 3, Exps 1-1 i n Visit 14 (3)	552.937252 Secs (4423.498 Secs)	
								[==>(Pattern 1,1)]	[1]
								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
2		(2) GW-AFTERGL OW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 4, Exps 2-2 i n Visit 14 (4)	[==>(Pattern 2,1)]	
								[==>(Pattern 2,2)]	[2]
								[==>(Pattern 2,3)]	
								[==>(Pattern 2,4)]	
2		(2) GW-AFTERGL OW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 4, Exps 2-2 i n Visit 14 (4)	550 Secs (4400 Secs)	
								[==>(Pattern 1,1)]	[3]
								[==>(Pattern 1,2)]	
								[==>(Pattern 1,3)]	
2		(2) GW-AFTERGL OW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 4, Exps 2-2 i n Visit 14 (4)	[==>(Pattern 1,4)]	
								[==>(Pattern 2,1)]	[4]
								[==>(Pattern 2,2)]	
								[==>(Pattern 2,3)]	
2		(2) GW-AFTERGL OW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 4, Exps 2-2 i n Visit 14 (4)	[==>(Pattern 2,4)]	
								[==>(Pattern 2,1)]	
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								[==>(Pattern 2,3)]	



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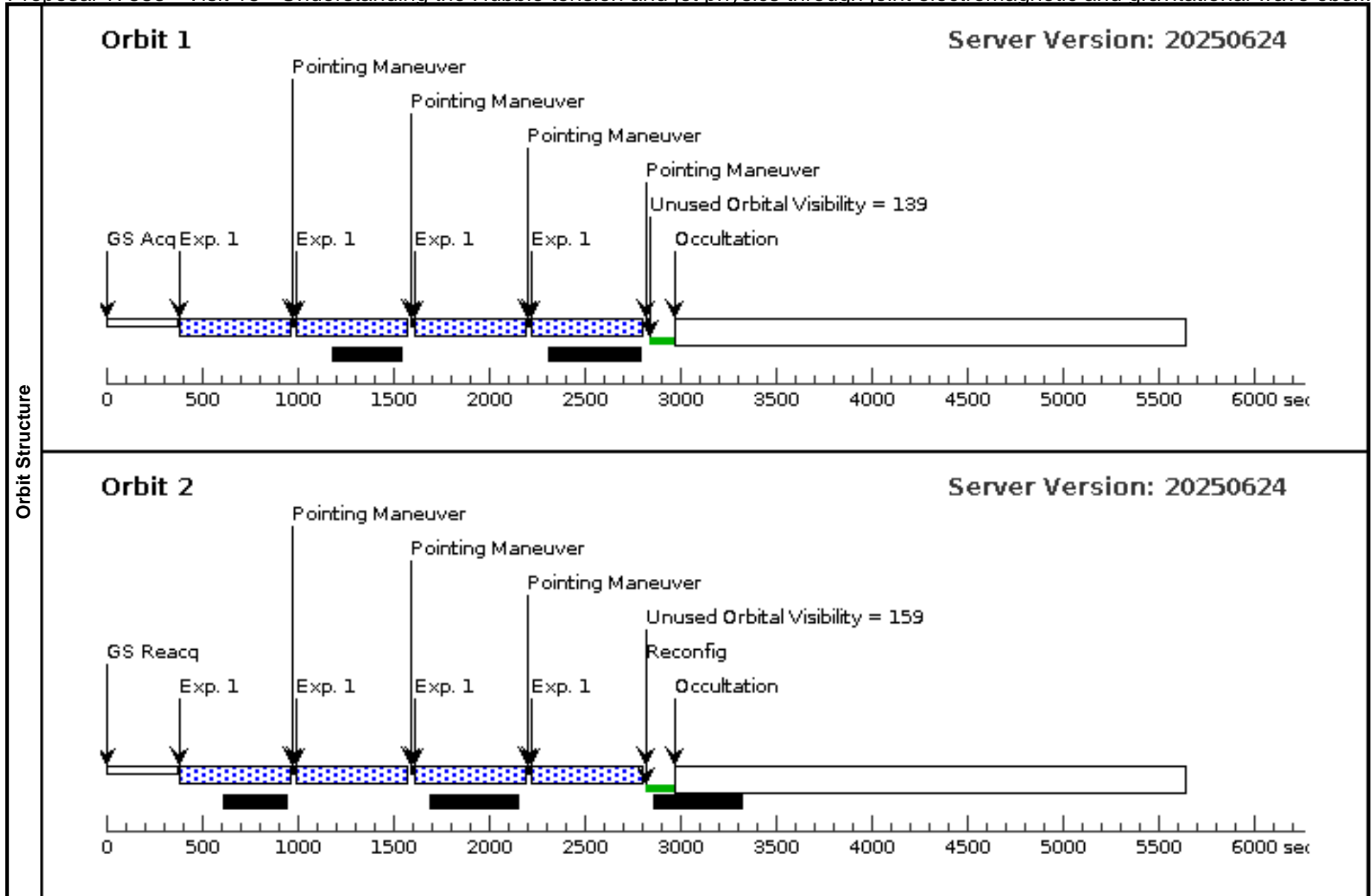




Proposal 17583 - Visit 15 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

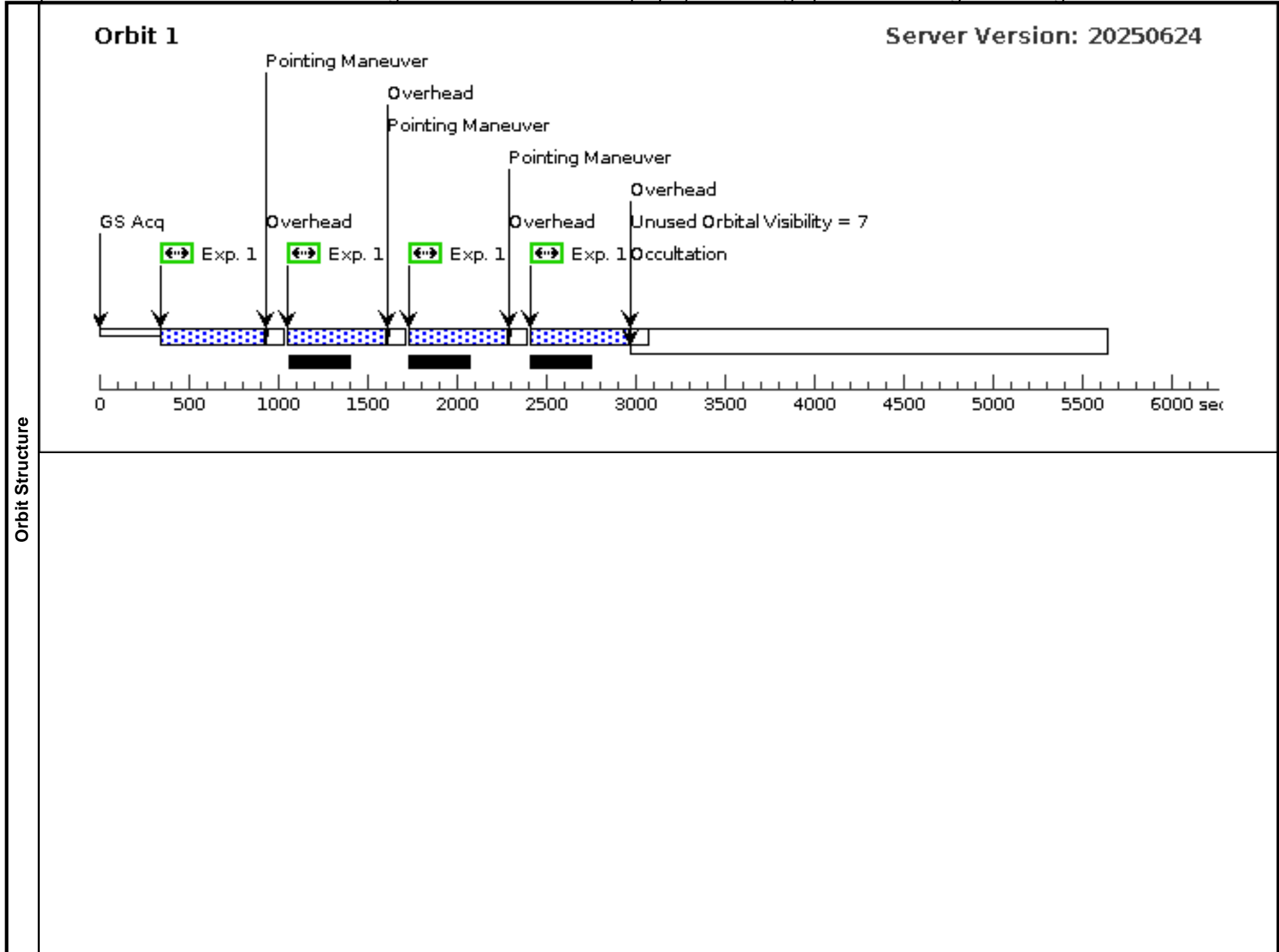
Visit	Proposal 17583, Visit 15, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	Patterns	#	Primary Pattern				Secondary Pattern			
(3)		Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.7 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=42 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)				
Generic Targets	#	Name	Criteria	Description						
	(2)	GW-AFTERGLOW-2	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) GW-AFTERGLOW-2	(2) GW-AFTERGLOW-2	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 3, Exps 1-1 in Visit 15 (3)	552.937252 Secs (4423.498 Secs)	[1] [2]

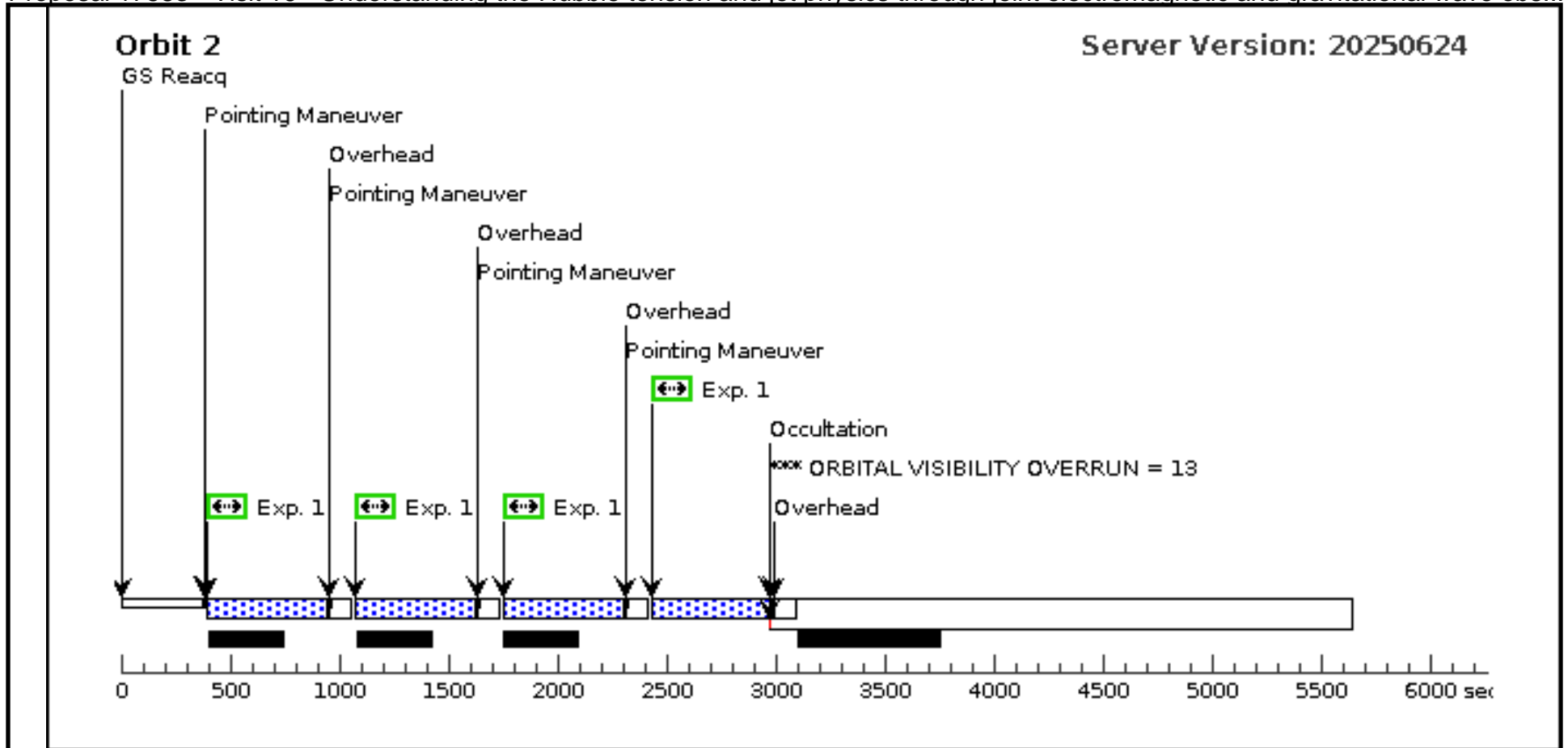


Proposal 17583 - Visit 16 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 16, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	Diagnosics (Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(4)	Pattern Type=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	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)				
Generic Targets	#	Name	Criteria		Description					
	(2)	GW-AFTERGLOW-2	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GW-AFTERGLOW-2	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO		Pattern 4, Exps 1-1 in Visit 16 (4)	550 Secs (4400 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 1,3)] [=>(Pattern 1,4)] [=>(Pattern 2,1)] [=>(Pattern 2,2)] [=>(Pattern 2,3)] [=>(Pattern 2,4)]	[1] [2]

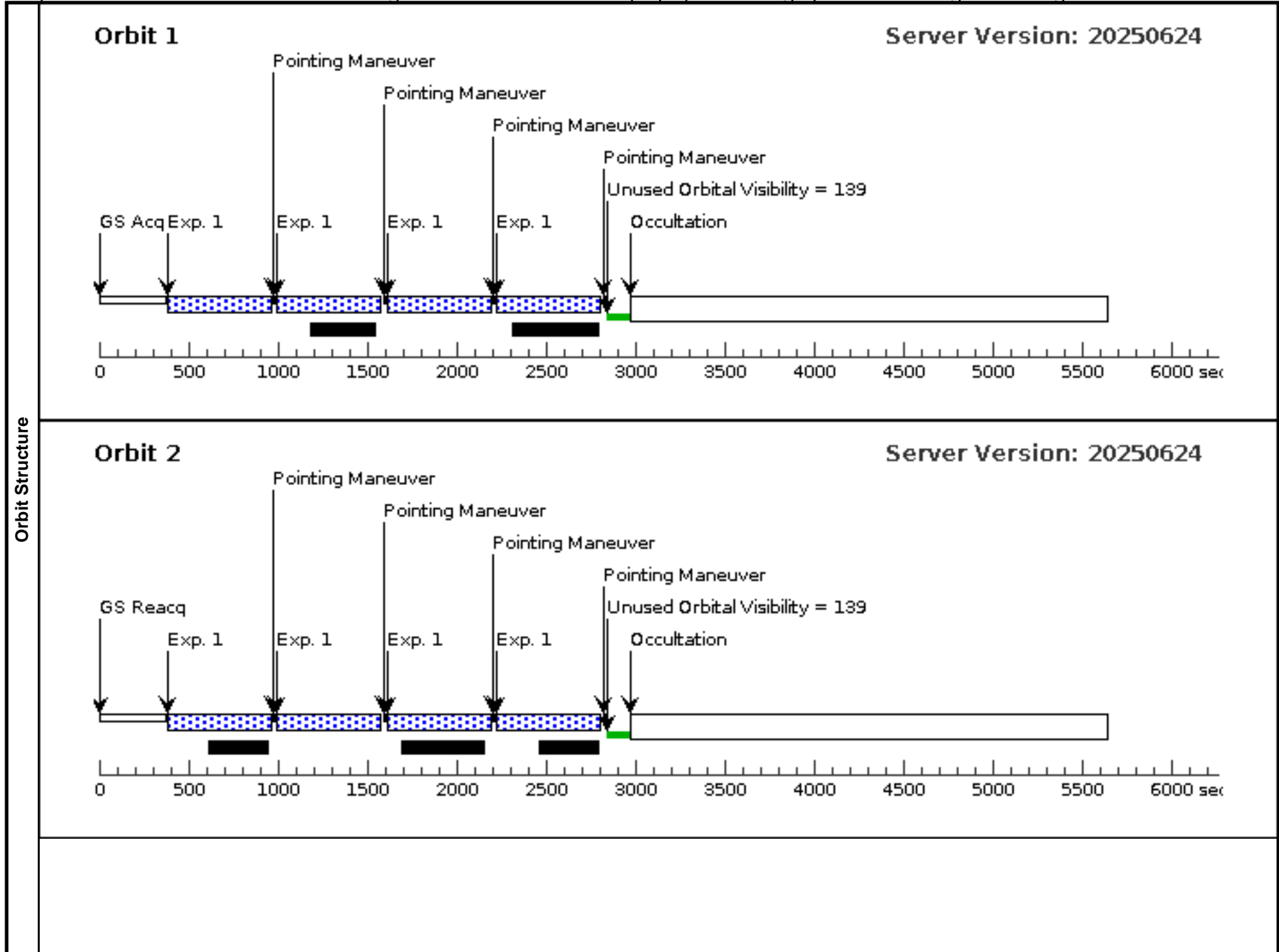




Proposal 17583 - Visit 17 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

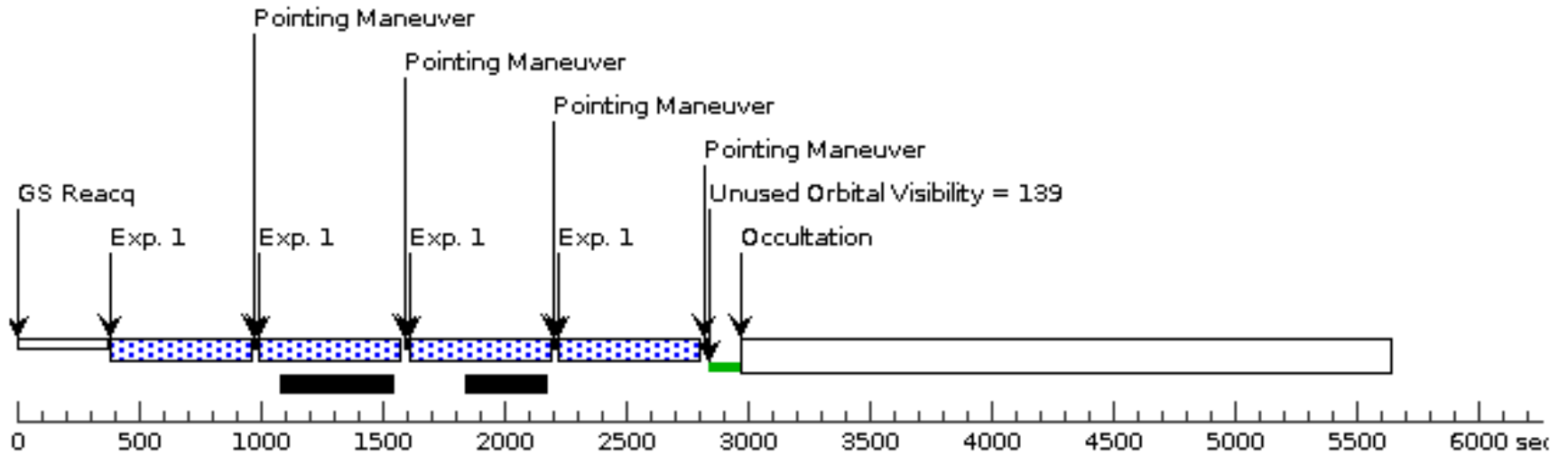
Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 17, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(6)	Pattern Type=LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.7 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=42 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)			
Generic Targets	#	Name	Criteria	Description						
	(2)	GW-AFTERGLOW-2	GW counterpart candidate							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GW-AFTERGLOW-2	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=12		Pattern 6, Exps 1-1 in Visit 17 (6)	552.937252 Secs (8846.996 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] [==>(Pattern 1,4)]	[1]
									[==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] [==>(Pattern 2,4)]	[2]
									[==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 3,3)] [==>(Pattern 3,4)]	[3]
								[==>(Pattern 4,1)] [==>(Pattern 4,2)] [==>(Pattern 4,3)] [==>(Pattern 4,4)]	[4]	



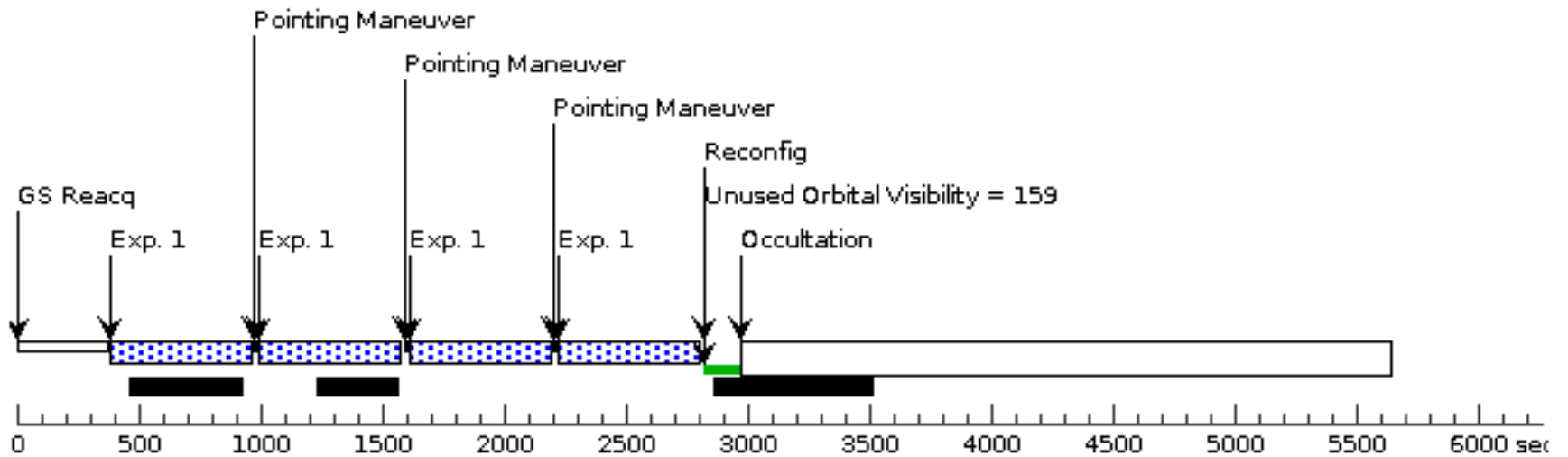
Orbit 3

Server Version: 20250624



Orbit 4

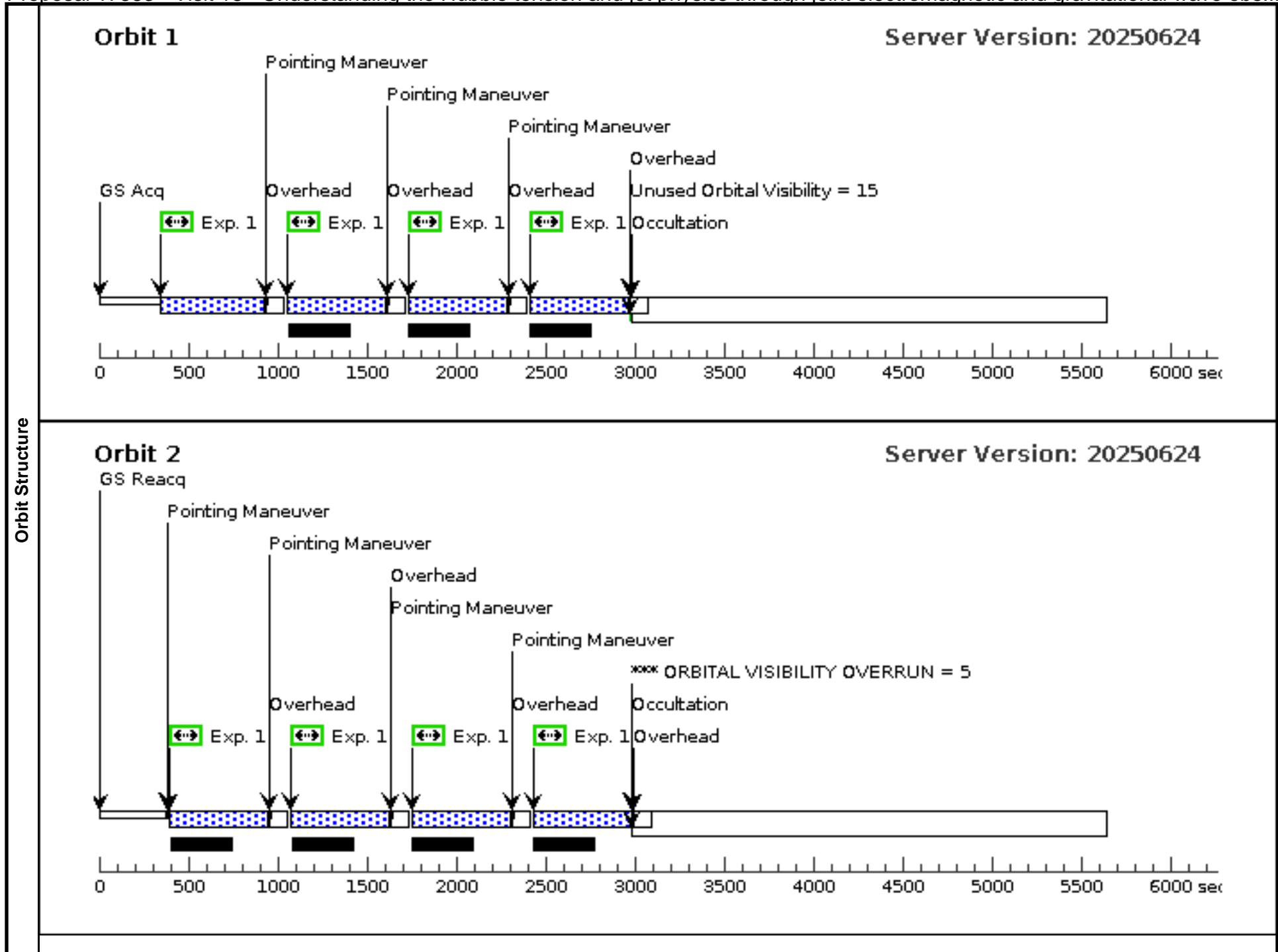
Server Version: 20250624



Proposal 17583 - Visit 18 - Understanding the Hubble tension and jet physics through joint electromagnetic and gravitational wave obs...

Fri Aug 22 20:00:56 GMT 2025

Visit	Proposal 17583, Visit 18, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 15-FEB-2026:00:00:00 AND 16-MAR-2026:00:00:00; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Awaiting GW trigger</i>									
	Diagnostics	(Visit 18) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 18) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 18) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN								
Patterns		#	Primary Pattern				Secondary Pattern			
	(5)	Pattern Type=LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	AT2025ULZ	RA: 15 51 54.1900 (237.9757917d) Dec: +30 54 8.59 (30.90239d) Equinox: J2000	Epoch of Position: 2000	V=27	Reference Frame: ICRS				
	<i>Comments: The source lies on top of a galaxy and is therefore noted as being extended. However, the transient itself is a point source.</i> Category=STAR Description=[JET, NEUTRON STAR] Extended=YES									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) AT2025ULZ	WFC3/UVIS, ACCUM, UVIS2	F606W	CR-SPLIT=NO			Pattern 5, Exps 1-1 in Visit 18 (5)	550 Secs (8800 Secs)	
									[==>(Pattern 1,1)]	[1]
									[==>(Pattern 1,2)]	
									[==>(Pattern 1,3)]	
								[==>(Pattern 1,4)]		
								[==>(Pattern 2,1)]	[2]	
								[==>(Pattern 2,2)]		
								[==>(Pattern 2,3)]		
								[==>(Pattern 2,4)]		
								[==>(Pattern 3,1)]	[3]	
								[==>(Pattern 3,2)]		
								[==>(Pattern 3,3)]		
								[==>(Pattern 3,4)]		
								[==>(Pattern 4,1)]	[4]	
								[==>(Pattern 4,2)]		
								[==>(Pattern 4,3)]		
								[==>(Pattern 4,4)]		



Orbit 3

Server Version: 20250624

