



17725 - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Cycle: 32, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

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Prof. Joseph Hennawi (CoI)	University of California - Santa Barbara
Dr. Frederick Davies (CoI) (ESA Member)	Max Planck Institute for Astronomy
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Dr. Rohan Naidu (CoI)	Massachusetts Institute of Technology
Dr. Rongmon Bordoloi (CoI)	North Carolina State University

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:16.0	yes
02	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:17.0	yes
03	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:18.0	yes
04	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:18.0	yes
05	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:19.0	yes
06	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:20.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
07	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:20.0	yes
08	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:21.0	yes
09	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:21.0	yes
10	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:22.0	yes
11	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:22.0	yes
12	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:23.0	yes
13	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:23.0	yes
14	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:24.0	yes
15	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:24.0	yes
16	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:25.0	yes
17	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:25.0	yes
18	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:26.0	yes
19	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:27.0	yes
20	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:27.0	yes
21	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:28.0	yes
22	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:29.0	yes
23	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:29.0	yes
24	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:30.0	yes
25	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:30.0	yes
26	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:31.0	yes
27	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:31.0	yes
28	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:32.0	yes
29	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:32.0	yes
30	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:33.0	yes
31	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:33.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
32	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:34.0	yes
33	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:34.0	yes
34	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:35.0	yes
35	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:36.0	yes
36	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:36.0	yes
37	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:37.0	yes
38	(1) J0100+2802	ACS/WFC	1	21-Aug-2025 11:00:37.0	yes

38 Total Orbits Used

ABSTRACT

The ultraviolet radiation of luminous high-redshift quasars lying deep within the Epoch of Reionization carves out large bubbles of highly ionized intergalactic gas in the quasar's environment. The resulting decrease in the optical depth of the Ly α forest at redshifts near to the systemic redshift of the quasar is known as the proximity effect. Recently, JWST has revealed 69 spectroscopically confirmed galaxies in the background of the most luminous, high-redshift quasar known, at a redshift of $z=6.327$. By a fortuitous coincidence, the narrow-band filter F892N on ACS/WFC is perfectly centered around the quasar's redshift to capture the transmitted flux in the Ly α forest of background galaxies at close projected separations to the quasar. This will allow us to tomographically map the quasar's ionized region for the first time by means of the transverse proximity effect. Our observations aim to reveal the geometry of the quasar's ionization cone, and constrain its opening angle and obscuration. Additionally, the extent of the ionized region, also known as the quasar's light echo, provides a model-independent constraint on the quasar's UV luminous lifetime based on the light crossing time, which has profound implications for the early growth phases of supermassive black holes. The recent detection of an overdensity of bright galaxies in the background of this super-luminous quasar, whose systemic redshift perfectly matches an existing narrow-band filter on ACS, provides the most promising opportunity to probe the transverse proximity effect for the first time in the high-redshift universe and makes HST uniquely suited for our proposed experiment.

OBSERVING DESCRIPTION

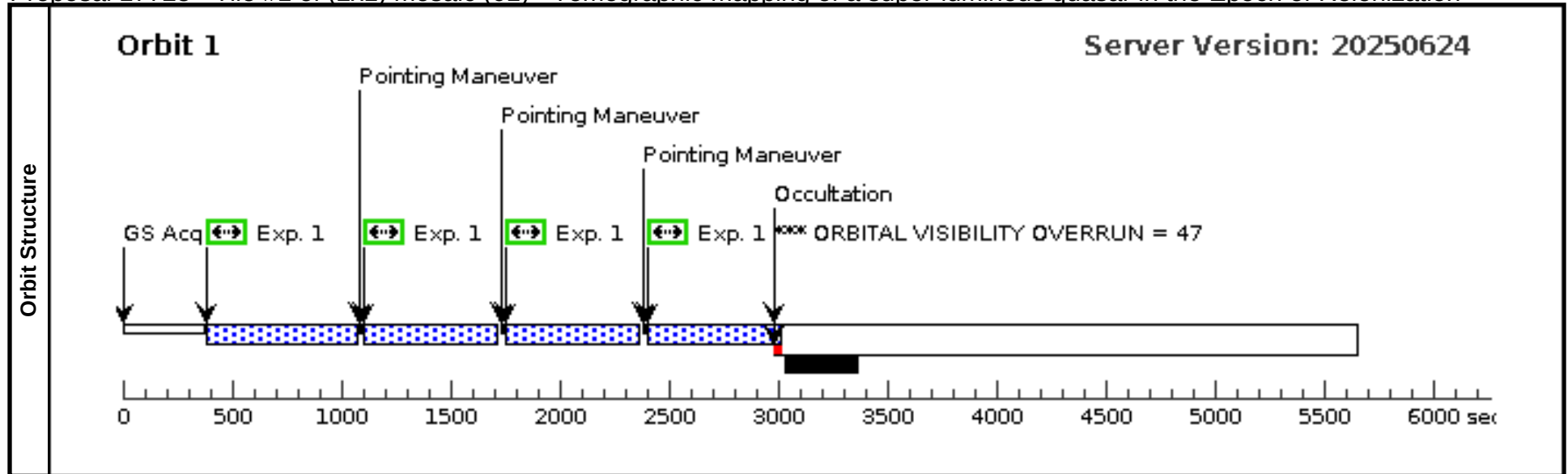
We aim to obtain a 1x2 tiled mosaic around the most luminous quasar at $z=6.327$, J0100+2802. Tile 1 covers the quasar itself, while the second tile covers the most luminous galaxies in the background of the quasar. We aim for a small overlap between the two tiles to easily stitch the mosaic tiles together. Thus, the coordinates for the "target" have been changed slightly from the quasar's position, such that the center of the mosaic is slightly

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offset from the quasar's coordinates. We take images with HST/ACS with the filter F892N. 15 orbits are allocated to each of the two mosaic tiles. We use the 4 point ACS-WFC-DITHER_BOX pattern. The orientation of all tiles should be approximately the same to ensure sufficient depth of the observations.

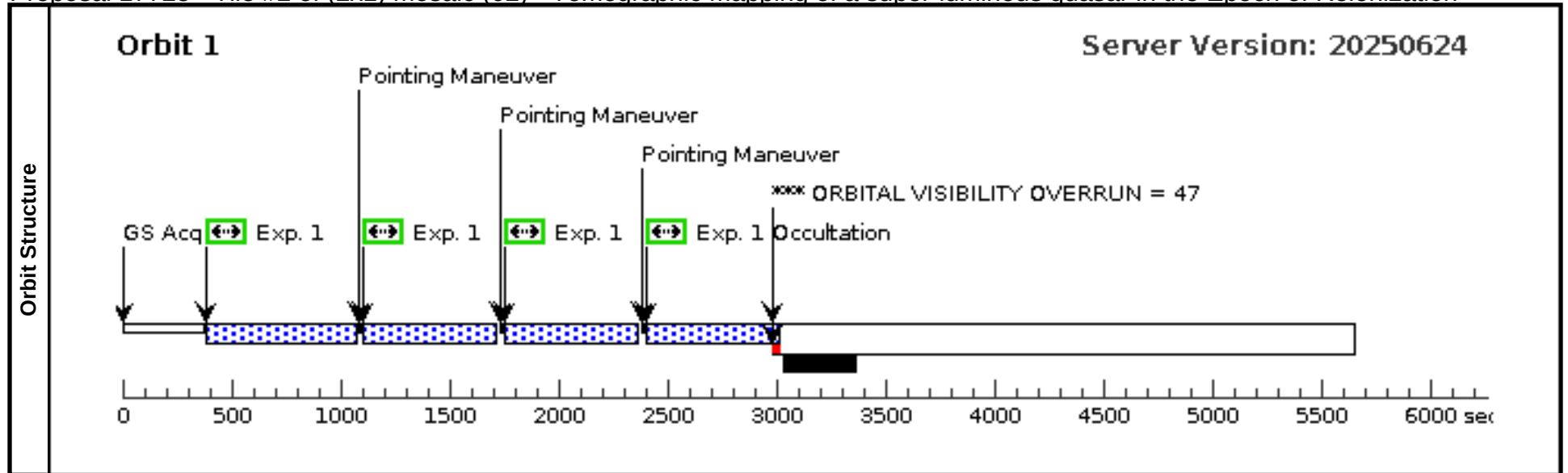
Proposal 17725 - Tile #1 of (2x1) mosaic (01) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (01), failed										Thu Aug 21 15:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: ORIENT 255D TO 315 D; ORIENT 75D TO 135 D											
Diagnostics	(Tile #1 of (2x1) mosaic (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856		Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false						(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (01) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



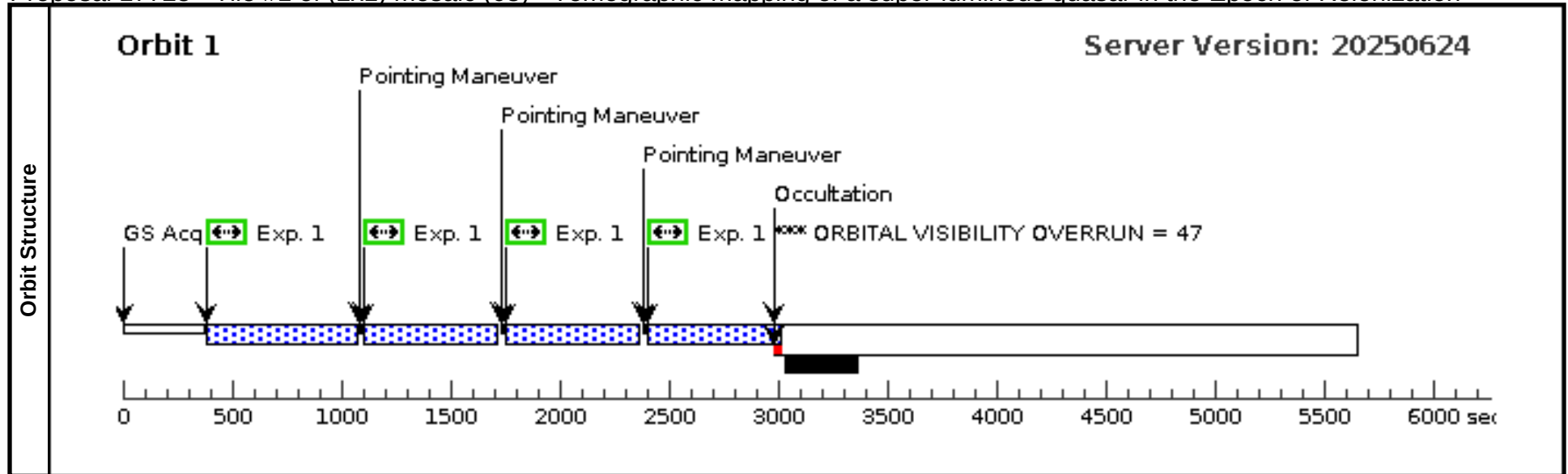
Proposal 17725 - Tile #2 of (2x1) mosaic (02) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (02), failed										Thu Aug 21 15:00:38 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (02) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



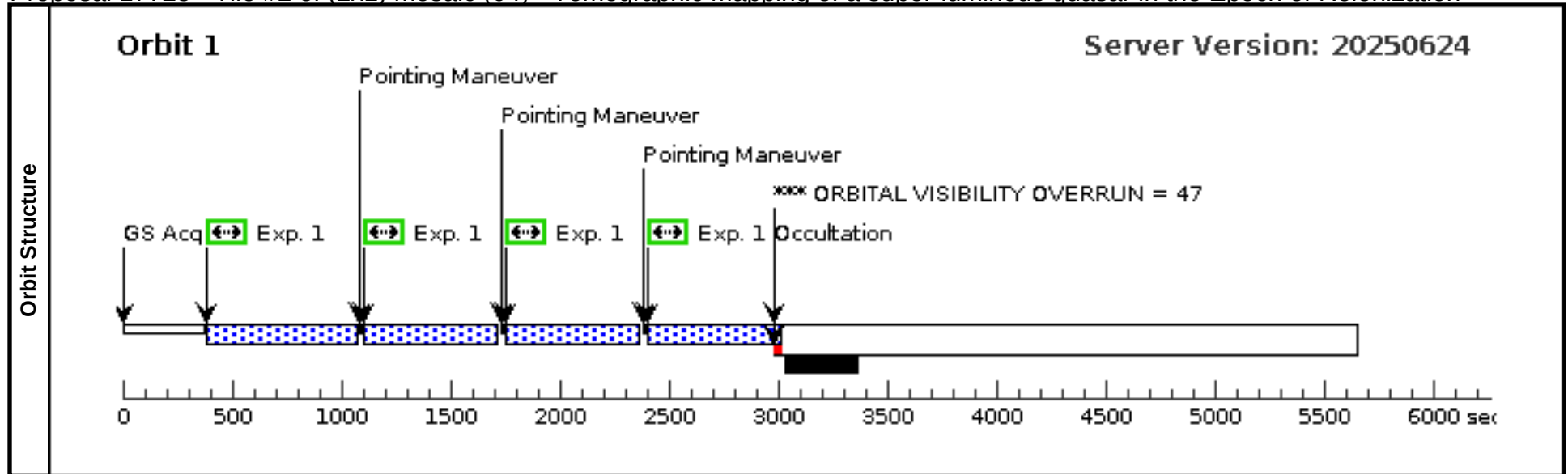
Proposal 17725 - Tile #1 of (2x1) mosaic (03) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (03), completed										Thu Aug 21 15:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01											
Diagnostics	(Tile #1 of (2x1) mosaic (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 i n Tile #1 of (2x1) m osaic (03) (1)	488 Secs (1952 Secs)		[1]	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]			



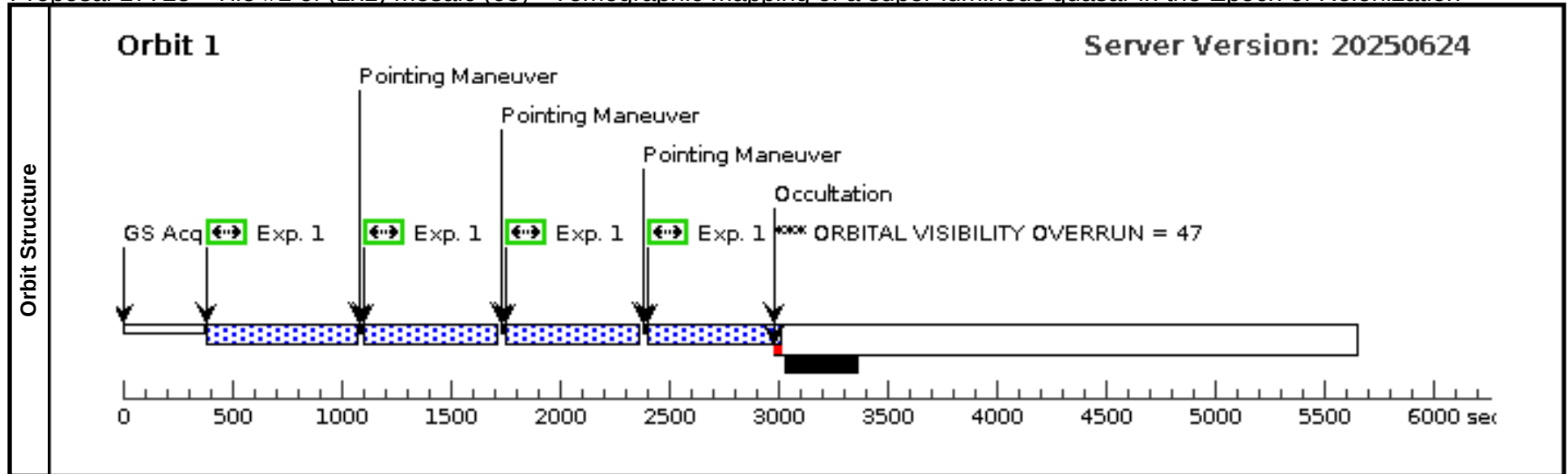
Proposal 17725 - Tile #2 of (2x1) mosaic (04) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (04), completed										Thu Aug 21 15:00:39 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01											
Diagnosics	(Tile #2 of (2x1) mosaic (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (04) (1)	488 Secs (1952 Secs)		[1]	
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		
									[==>(Pattern 3)]			
									[==>(Pattern 4)]			



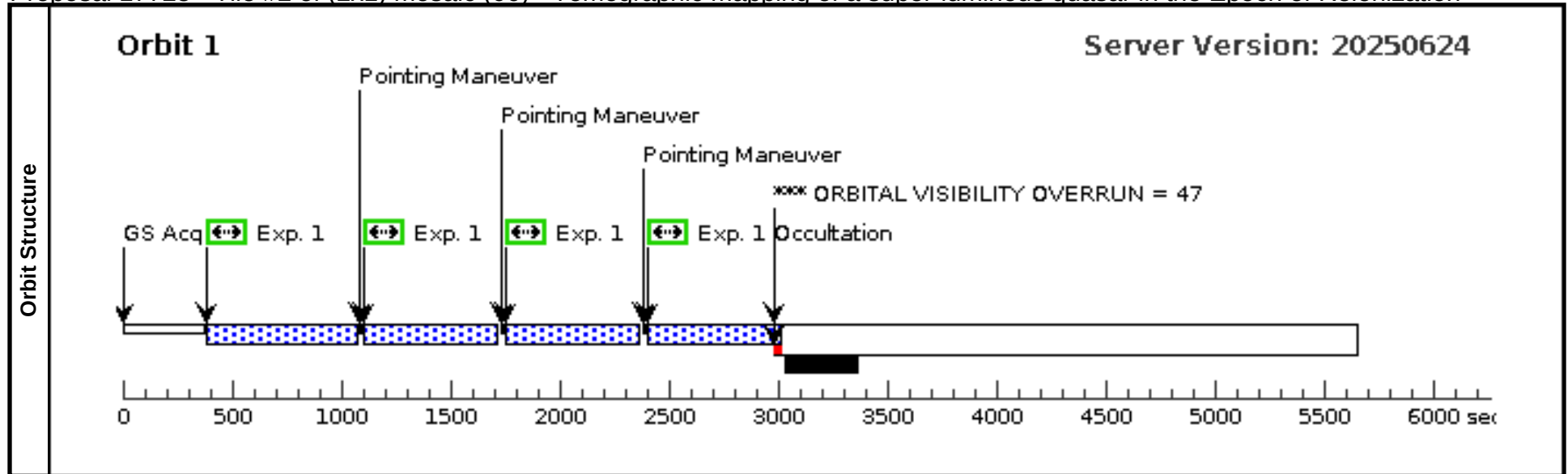
Proposal 17725 - Tile #1 of (2x1) mosaic (05) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (05), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 i n Tile #1 of (2x1) m osaic (05) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



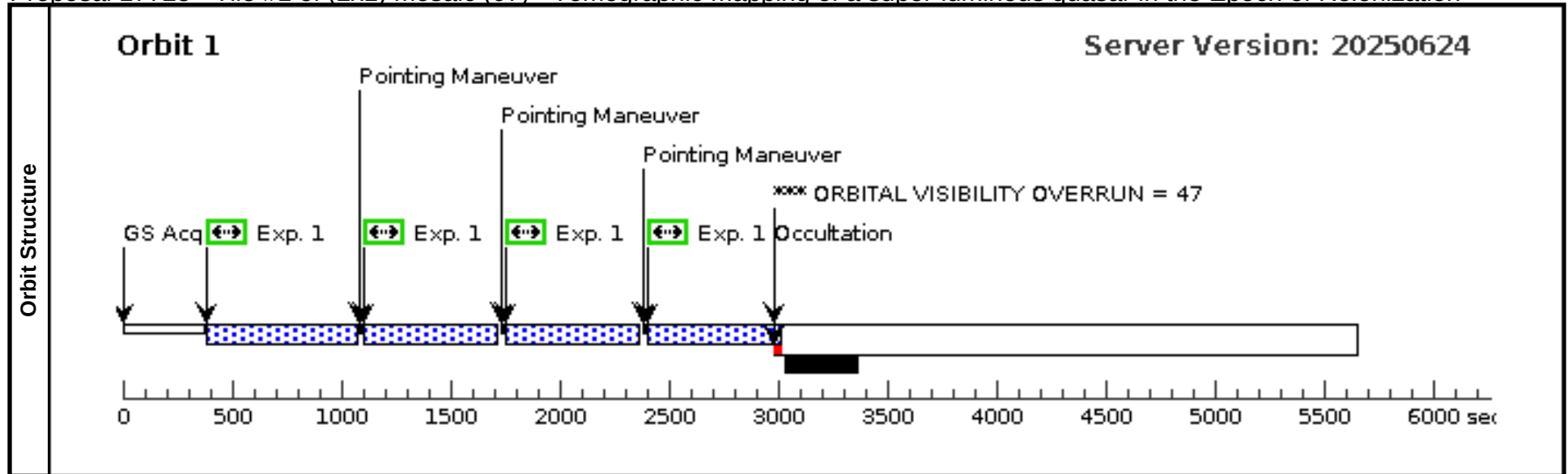
Proposal 17725 - Tile #2 of (2x1) mosaic (06) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (06), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (06) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



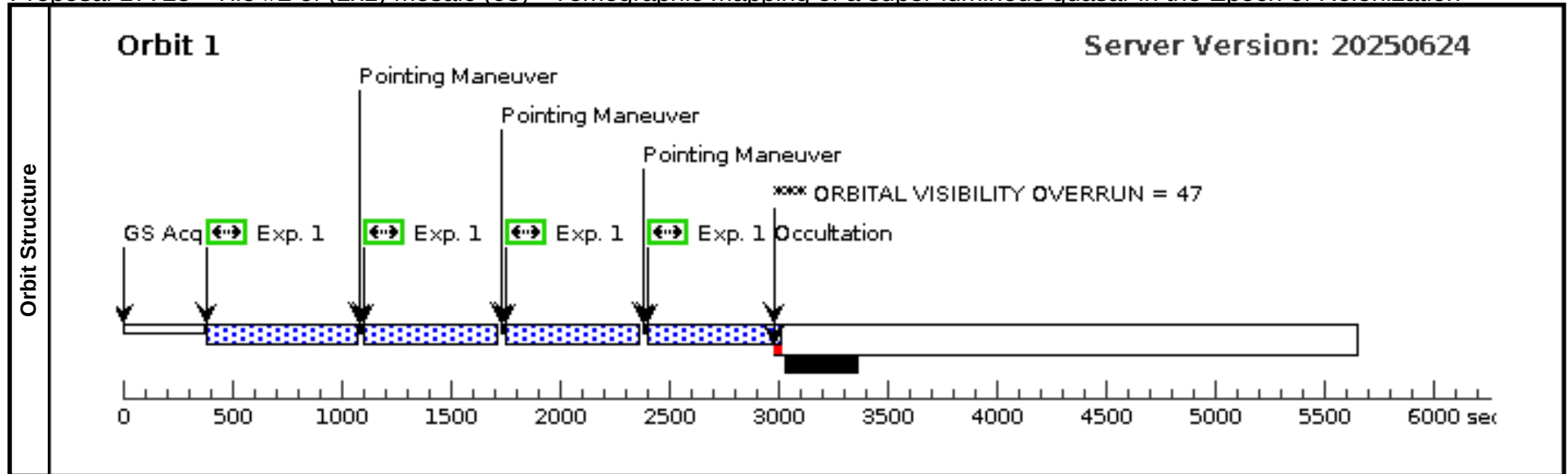
Proposal 17725 - Tile #1 of (2x1) mosaic (07) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (07), failed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (07) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



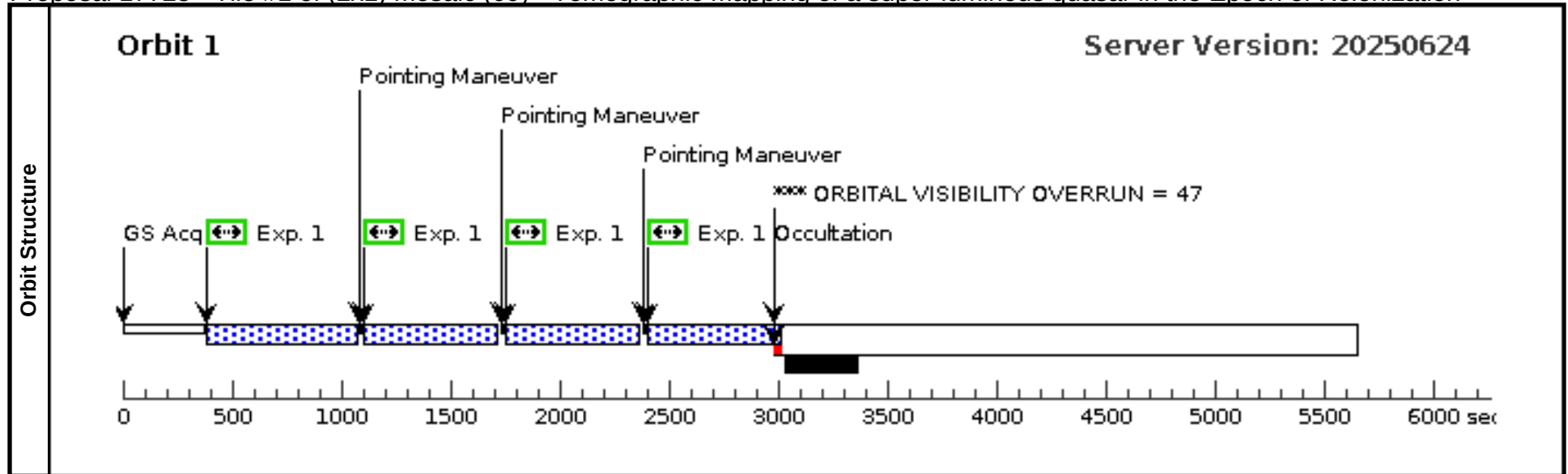
Proposal 17725 - Tile #2 of (2x1) mosaic (08) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (08), failed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (08) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



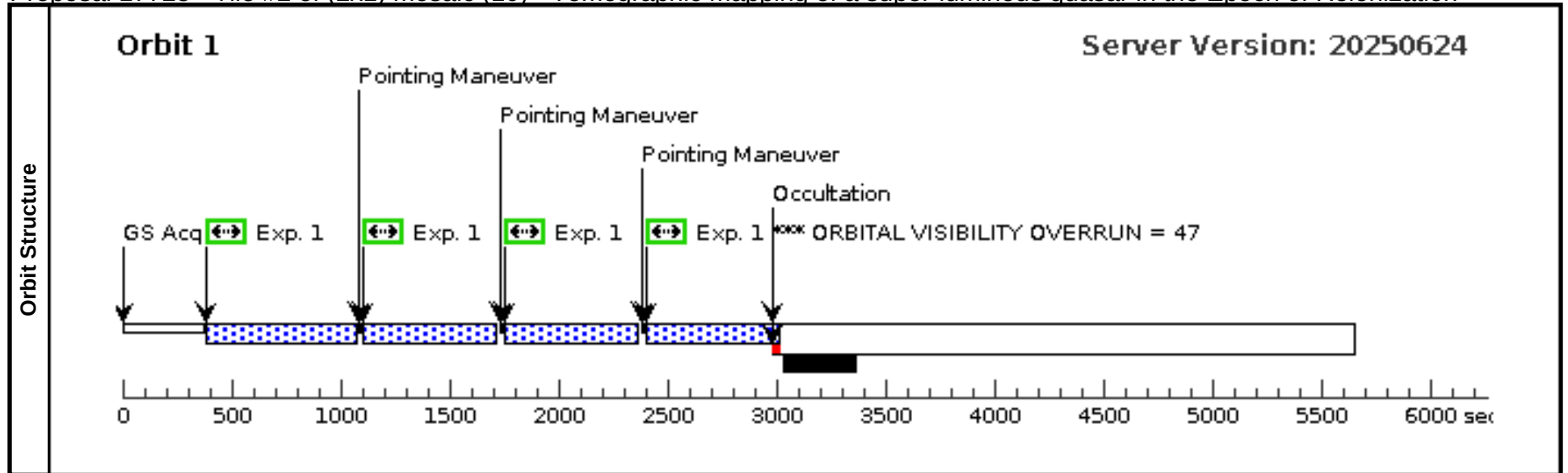
Proposal 17725 - Tile #1 of (2x1) mosaic (09) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (09), completed										Thu Aug 21 15:00:39 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01											
Diagnostics	(Tile #1 of (2x1) mosaic (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (09) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



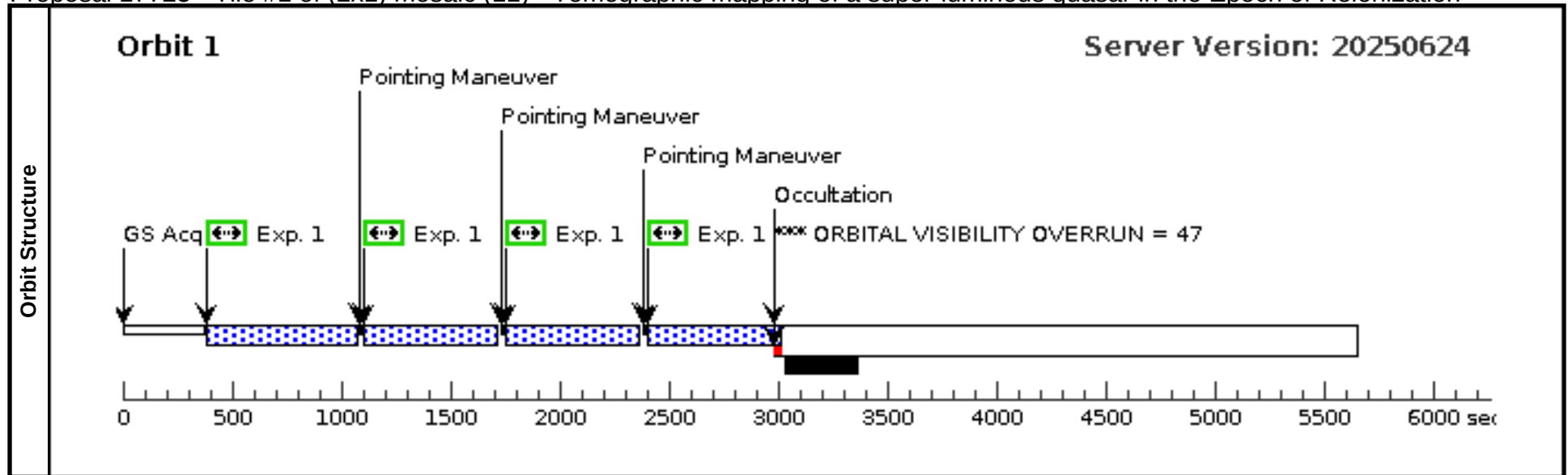
Proposal 17725 - Tile #2 of (2x1) mosaic (10) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (10), completed										Thu Aug 21 15:00:39 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01											
Diagnostics	(Tile #2 of (2x1) mosaic (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (10) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



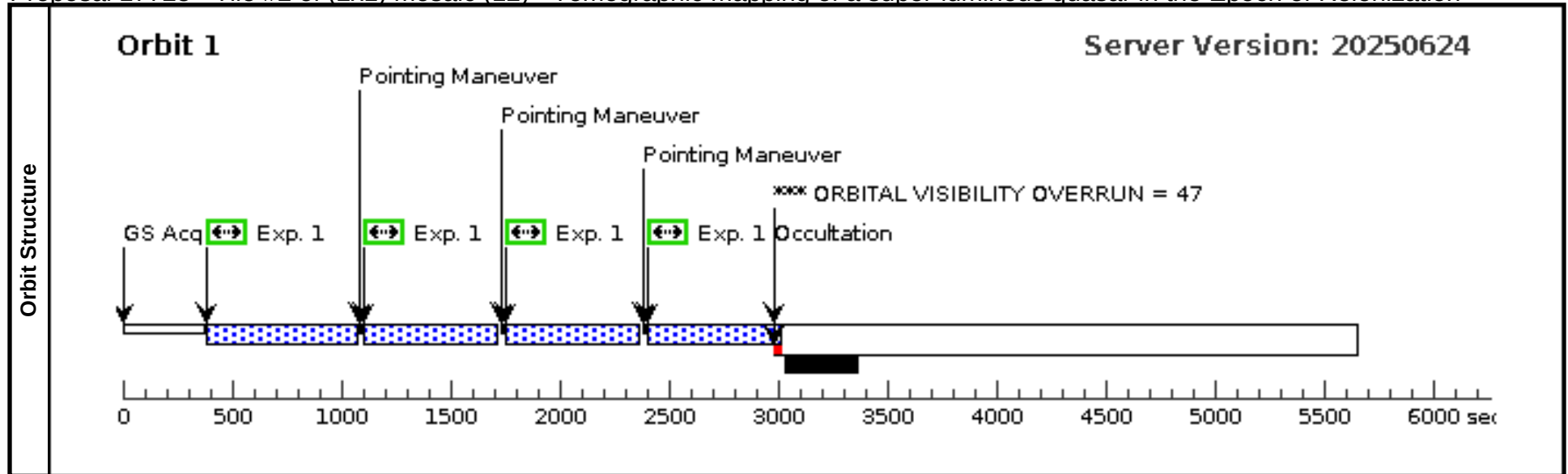
Proposal 17725 - Tile #1 of (2x1) mosaic (11) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (11), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (11) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



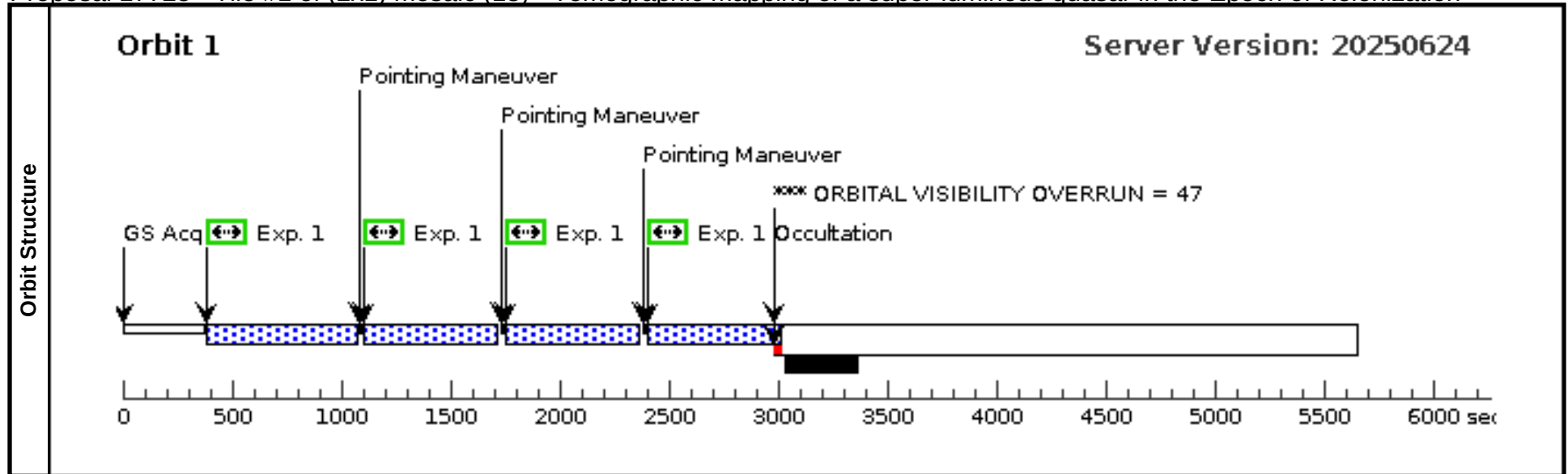
Proposal 17725 - Tile #2 of (2x1) mosaic (12) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (12), failed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (12) (1)	488 Secs (1952 Secs)		[1]
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		



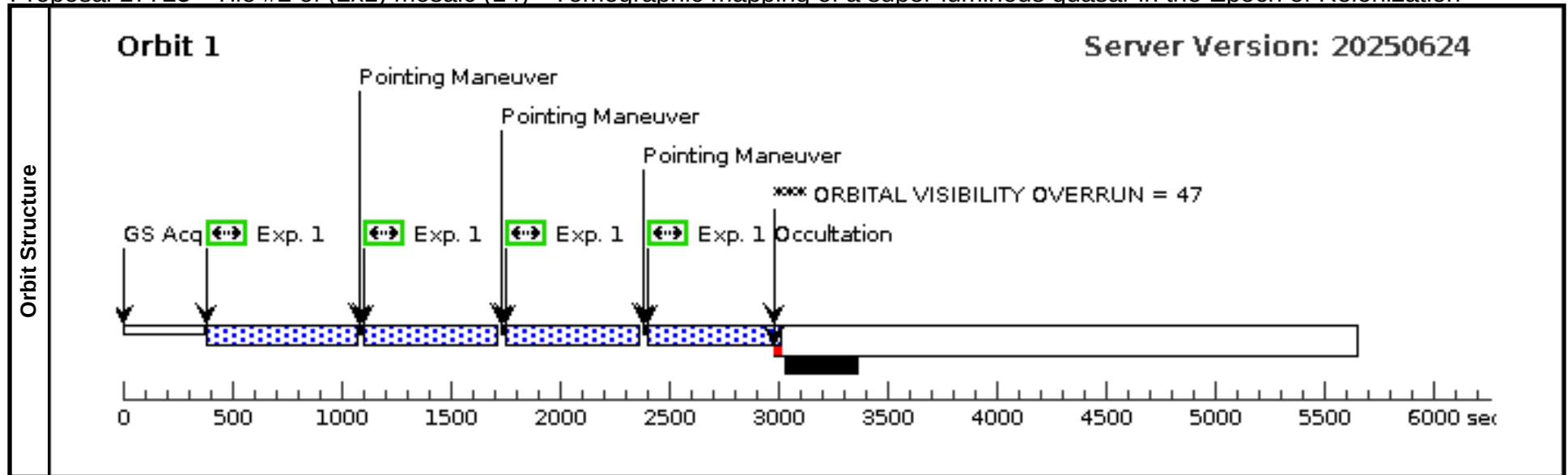
Proposal 17725 - Tile #1 of (2x1) mosaic (13) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (13), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (13) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



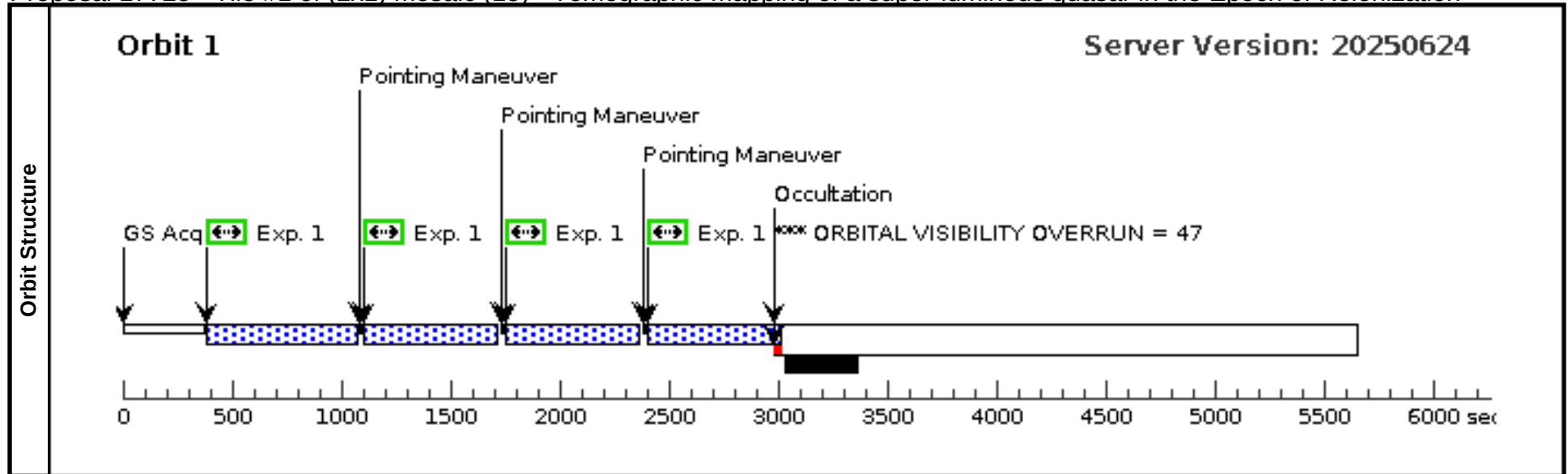
Proposal 17725 - Tile #2 of (2x1) mosaic (14) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (14), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnosics	(Tile #2 of (2x1) mosaic (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (14) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



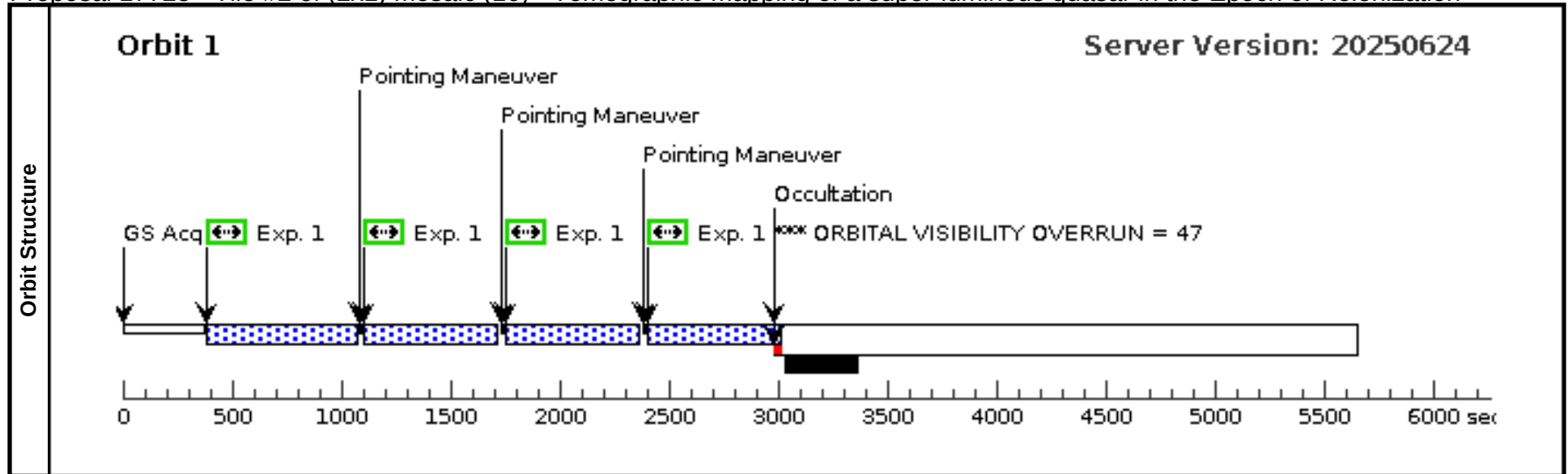
Proposal 17725 - Tile #1 of (2x1) mosaic (15) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (15), completed										Thu Aug 21 15:00:39 GMT 2025		
	Diagnostic Status: Warning												
	Scientific Instruments: ACS/WFC												
	Special Requirements: SAME ORIENT AS 01												
Diagnostics	(Tile #1 of (2x1) mosaic (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856					Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false					(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	J0100+2802		RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000					V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 i n Tile #1 of (2x1) m osaic (15) (1)	488 Secs (1952 Secs)			
											[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



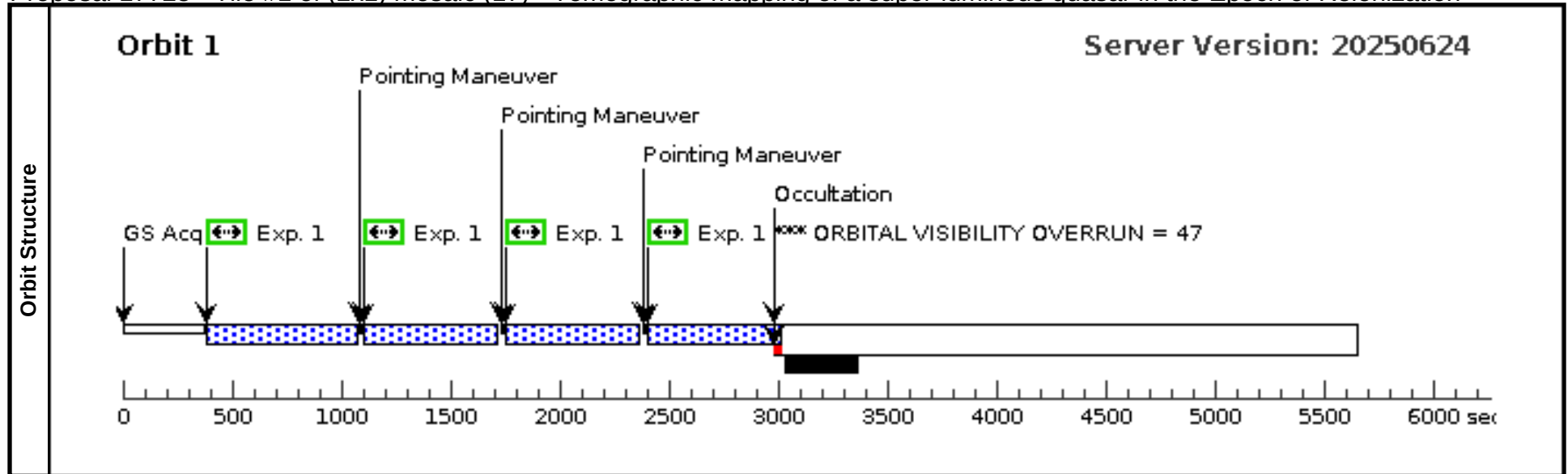
Proposal 17725 - Tile #2 of (2x1) mosaic (16) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (16), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (16) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



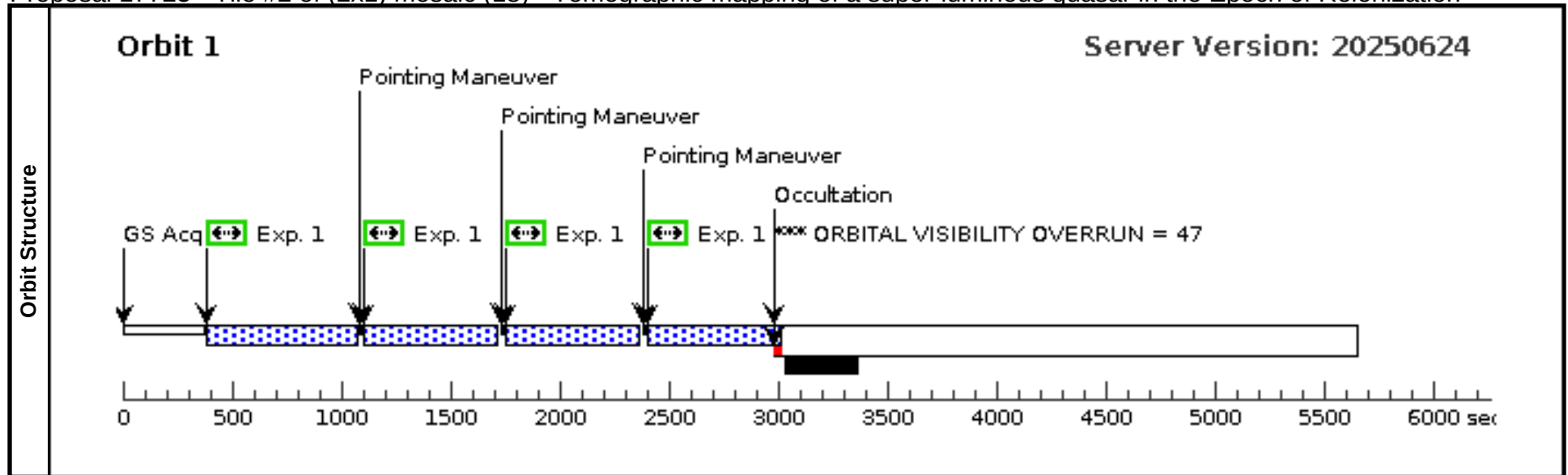
Proposal 17725 - Tile #1 of (2x1) mosaic (17) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (17), failed										Thu Aug 21 15:00:39 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01											
Diagnostics	(Tile #1 of (2x1) mosaic (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856		Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false						(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (17) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



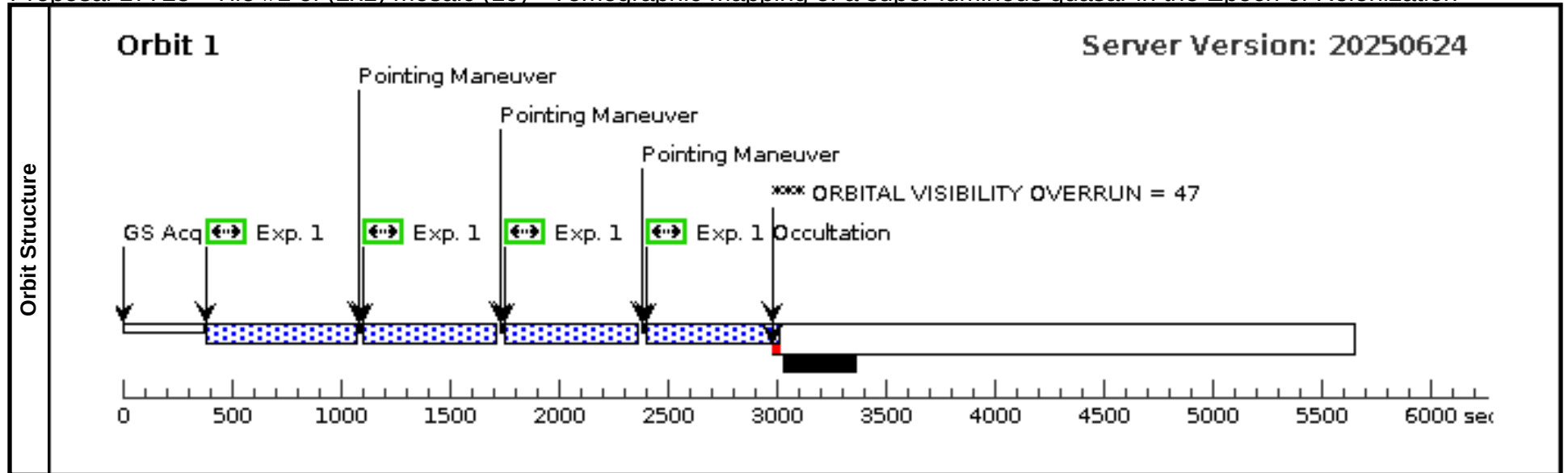
Proposal 17725 - Tile #2 of (2x1) mosaic (18) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (18), failed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (18) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



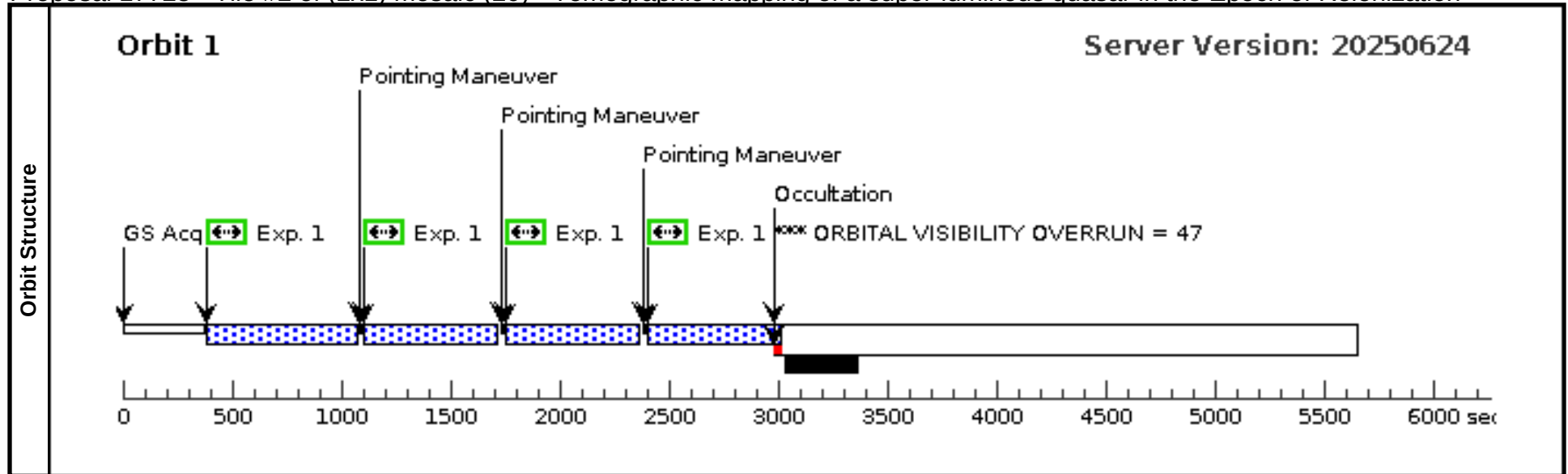
Proposal 17725 - Tile #1 of (2x1) mosaic (19) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (19), failed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnos	(Tile #1 of (2x1) mosaic (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (19) (1)	488 Secs (1952 Secs)		[1]
										[==>(Pattern 1)]	
										[==>(Pattern 2)]	
									[==>(Pattern 3)]		
									[==>(Pattern 4)]		



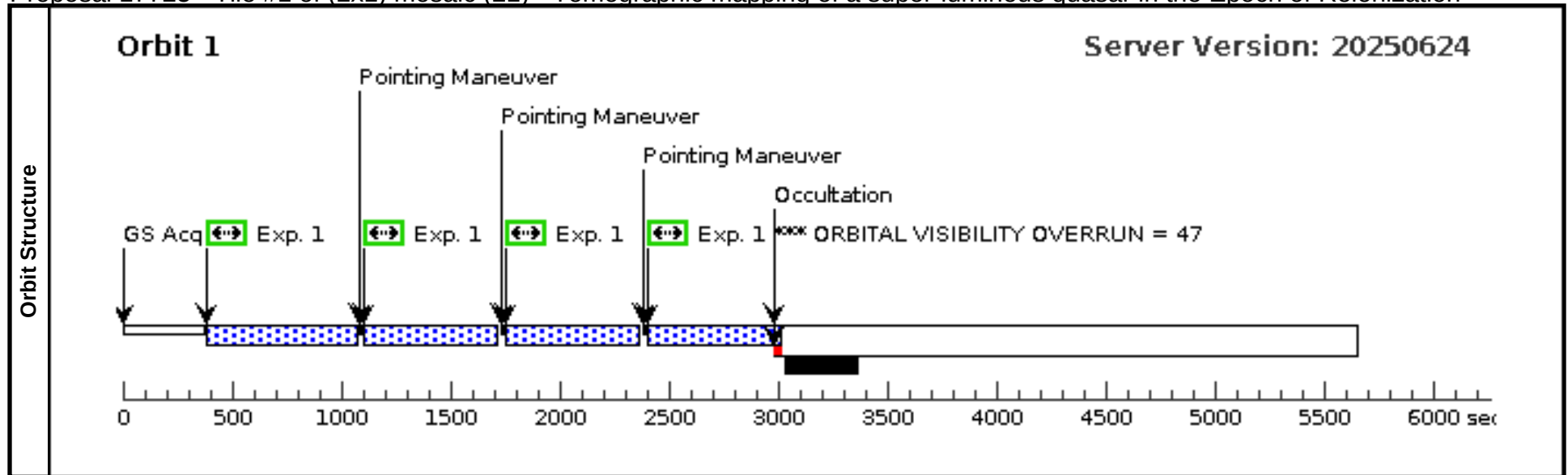
Proposal 17725 - Tile #2 of (2x1) mosaic (20) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (20), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnosics	(Tile #2 of (2x1) mosaic (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (20) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



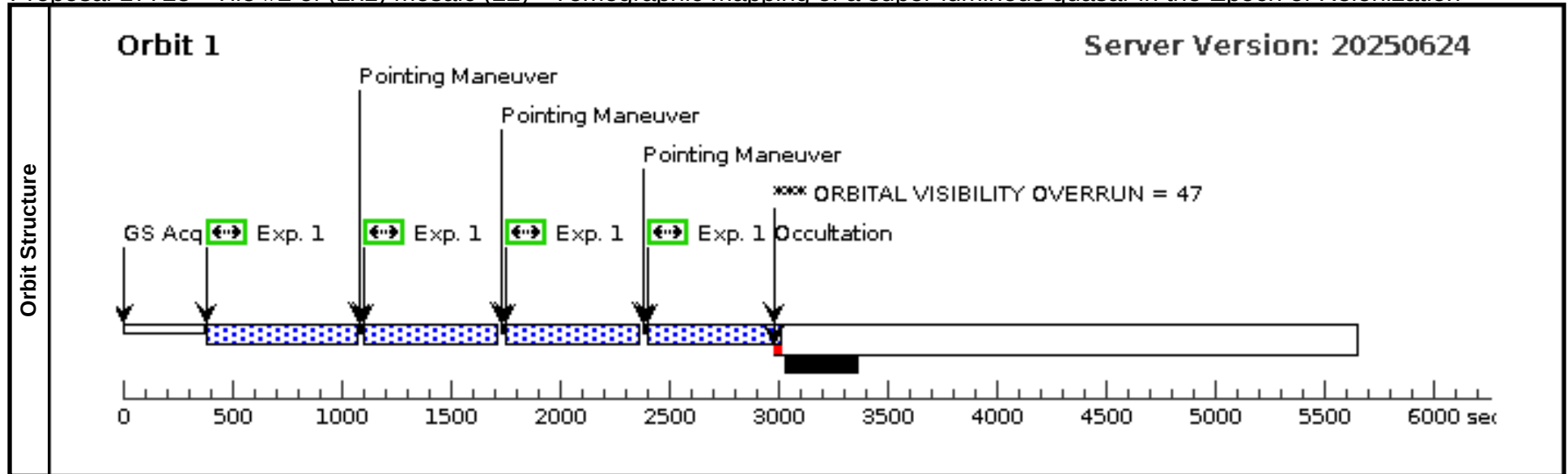
Proposal 17725 - Tile #1 of (2x1) mosaic (21) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (21), completed										Thu Aug 21 15:00:39 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01											
Diagnostics	(Tile #1 of (2x1) mosaic (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (21) (1)	488 Secs (1952 Secs)		
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



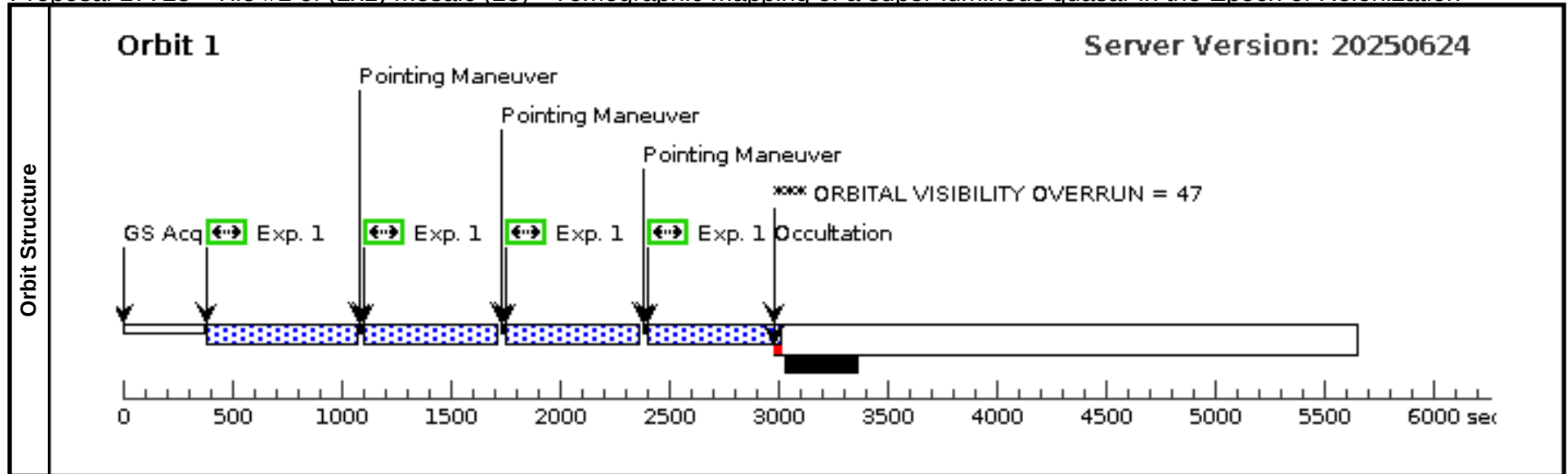
Proposal 17725 - Tile #2 of (2x1) mosaic (22) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (22), completed										Thu Aug 21 15:00:39 GMT 2025		
	Diagnostic Status: Warning												
	Scientific Instruments: ACS/WFC												
	Special Requirements: SAME ORIENT AS 01												
Diagnostics	(Tile #2 of (2x1) mosaic (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856					Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000						V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (22) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	



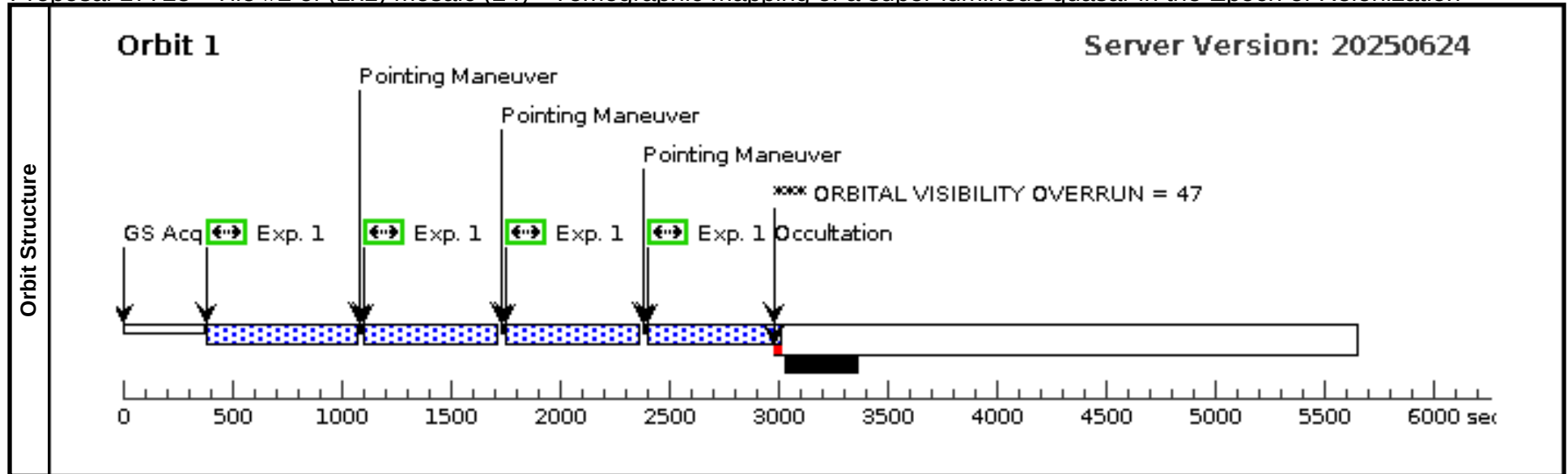
Proposal 17725 - Tile #1 of (2x1) mosaic (23) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (23), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (23) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



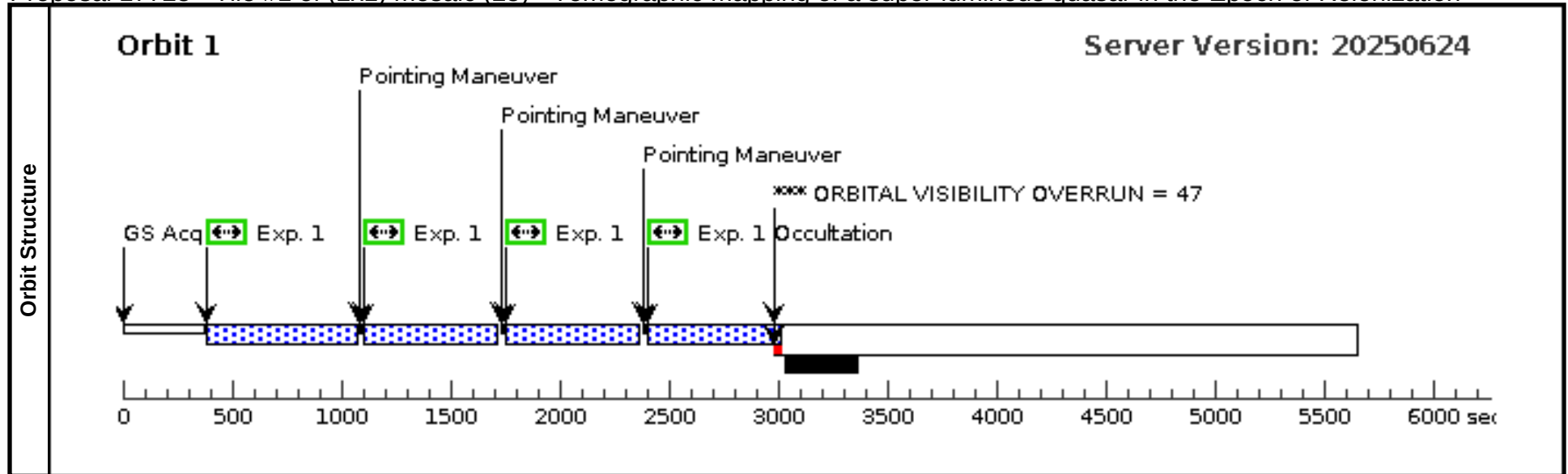
Proposal 17725 - Tile #2 of (2x1) mosaic (24) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (24), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (24) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



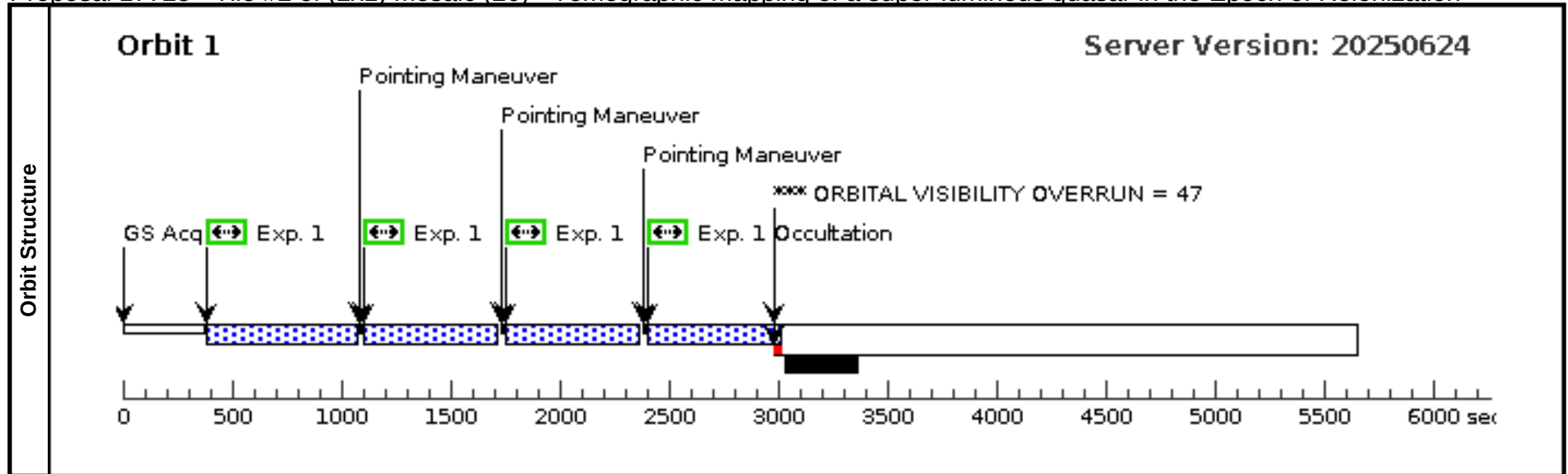
Proposal 17725 - Tile #1 of (2x1) mosaic (25) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (25), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (25) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



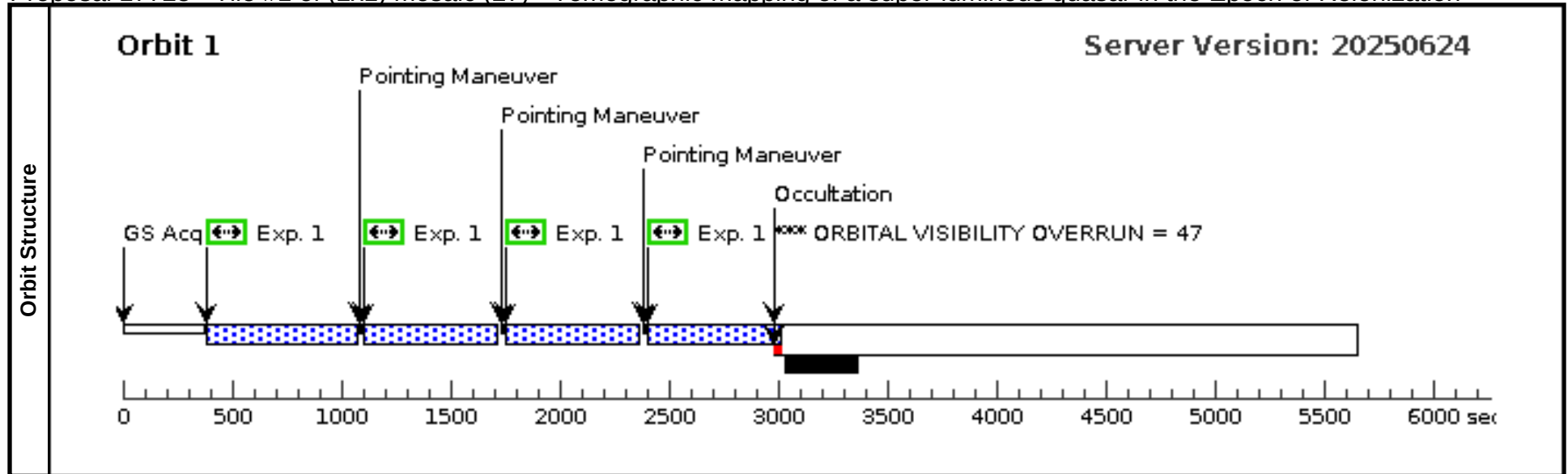
Proposal 17725 - Tile #2 of (2x1) mosaic (26) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (26), completed										Thu Aug 21 15:00:39 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01											
Diagnostics	(Tile #2 of (2x1) mosaic (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1		F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (26) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



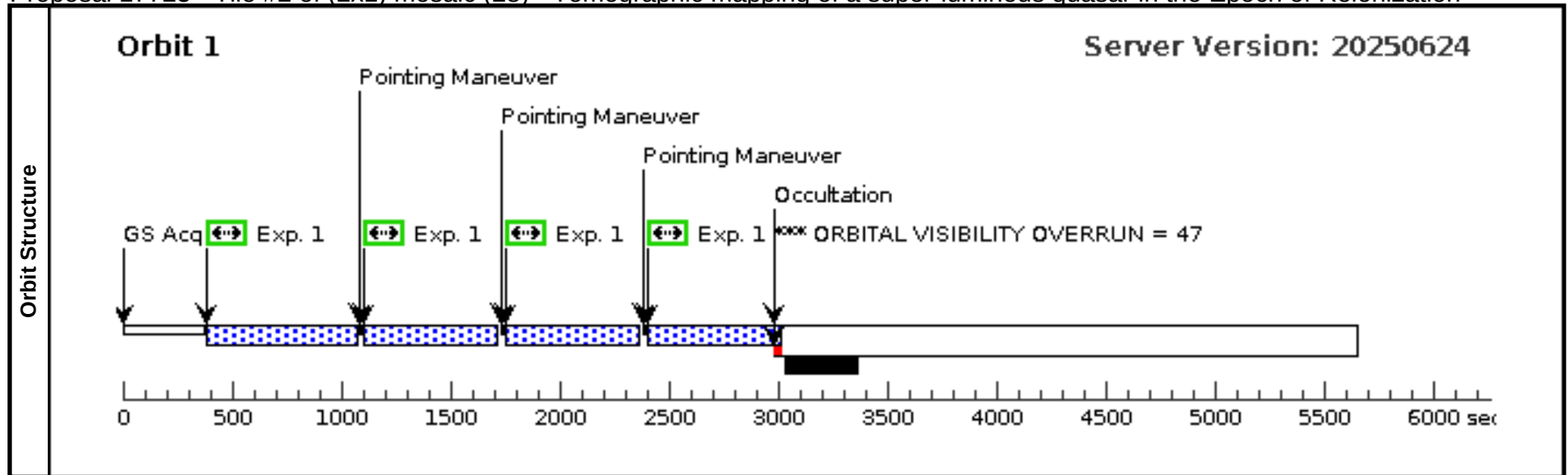
Proposal 17725 - Tile #1 of (2x1) mosaic (27) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (27), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (27) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



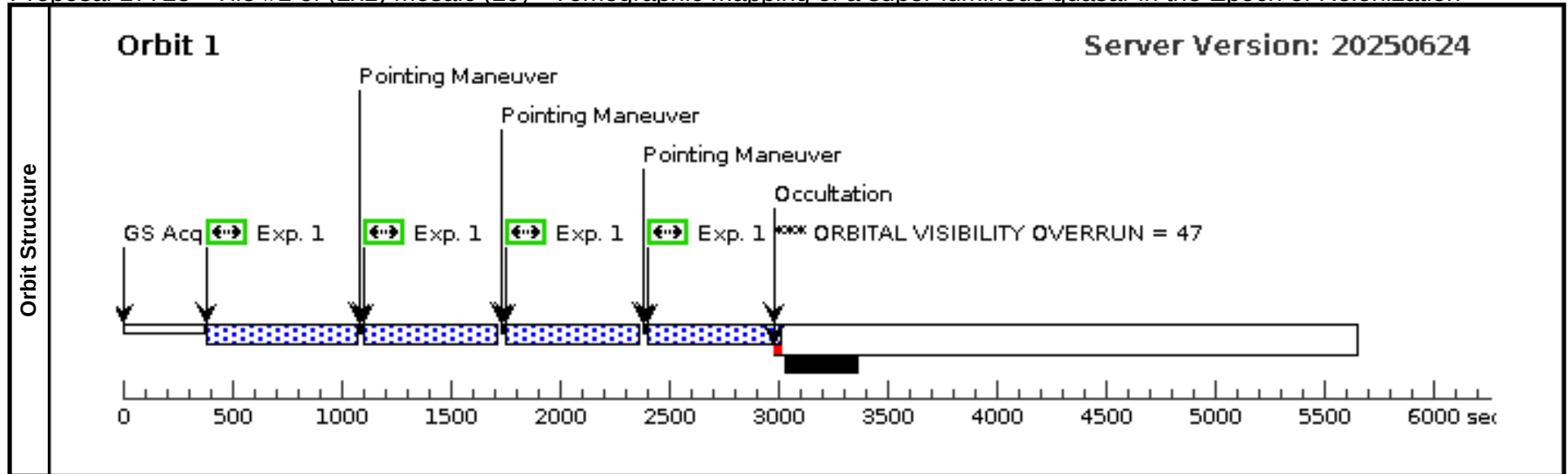
Proposal 17725 - Tile #2 of (2x1) mosaic (28) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (28), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (28) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



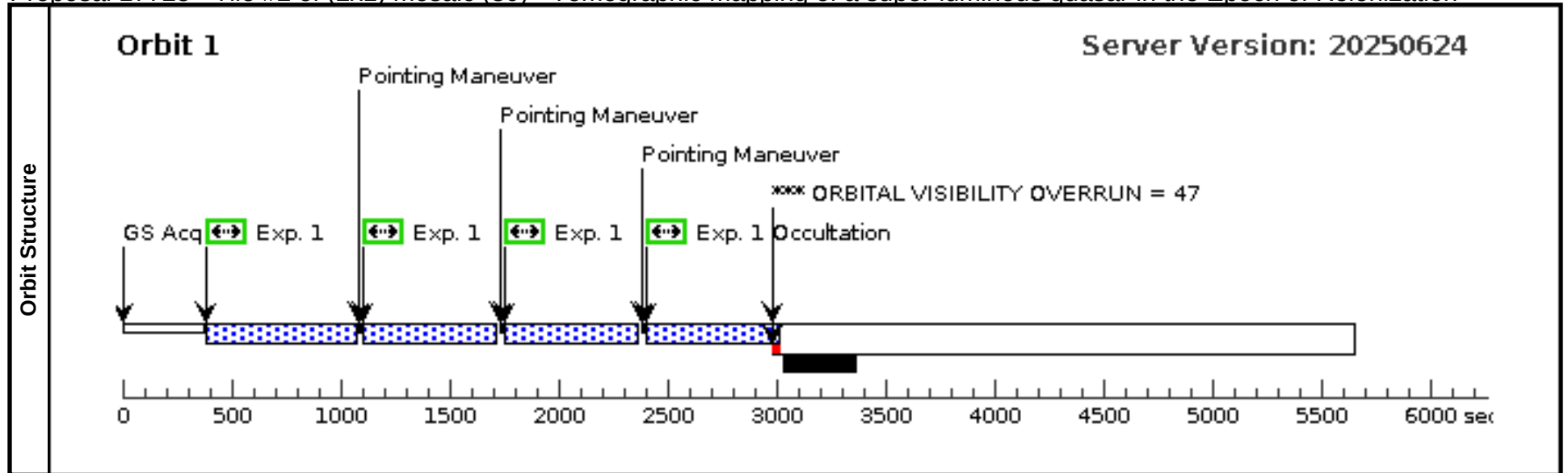
Proposal 17725 - Tile #1 of (2x1) mosaic (29) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #1 of (2x1) mosaic (29), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #1 of (2x1) mosaic (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile #1 of (2x1) mosaic (29) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



Proposal 17725 - Tile #2 of (2x1) mosaic (30) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile #2 of (2x1) mosaic (30), completed										Thu Aug 21 15:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Diagnostics	(Tile #2 of (2x1) mosaic (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856				Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile #2 of (2x1) mosaic (30) (1)	488 Secs (1952 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



Proposal 17725 - Tile 1 (repeat #1) (31) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile 1 (repeat #1) (31), implementation								Thu Aug 21 15:00:39 GMT 2025	
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none) Comments: This repeats the previously failed exposure 01.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +/- 0.03	Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237		488 Secs (488 Secs) [>=>]	[1]
Orbit Structure	Orbit 1 GS Acq Exp. 1 Unused Orbital Visibility = 1894Occultation									
	Server Version: 20250624									

Proposal 17725 - Tile 2 (repeat #1) (32) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Thu Aug 21 15:00:40 GMT 2025

Visit	Proposal 17725, Tile 2 (repeat #1) (32)										Thu Aug 21 15:00:40 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 31											
Comments: This repeats the previously failed exposure 01.												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +/- 0.03		Reference Frame: ICRS			
	Comments:											
	Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile 2 (repeat #1) (32) (1)	400 Secs (1904 Secs) [=>476.0 Secs (Pattern 1)] [=>476.0 Secs (Pattern 2)] [=>476.0 Secs (Pattern 3)] [=>476.0 Secs (Pattern 4)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20250624

Proposal 17725 - Tile 1 (repeat #2) (33) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile 1 (repeat #2) (33), implementation Thu Aug 21 15:00:40 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 31 <i>Comments: This repeats the previously failed exposure 07.</i>				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000		V=26+/-2 zAB = 18.33 +/- 0.03
	<i>Comments:</i> Category=GALAXY Description=[QSO, QUASAR]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(1)	J0100+2802	ACS/WFC, ACCUM, WFC1	F892N
					Opt. Params. Special Reqs. POS TARG -17.200 19685995847,28.485 870923327237
					Groups Pattern 1, Exps 1-1 i n Tile 1 (repeat #2) (33) (1)
					Exp. Time (Total)/[Actual Dur.] 400 Secs (1904 Secs) [= > 476.0 Secs (Pattern 1)] [= > 476.0 Secs (Pattern 2)] [= > 476.0 Secs (Pattern 3)] [= > 476.0 Secs (Pattern 4)]
					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20250624				

Proposal 17725 - Tile 2 (repeat #2) (34) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Thu Aug 21 15:00:40 GMT 2025

Visit	Proposal 17725, Tile 2 (repeat #2) (34)										Thu Aug 21 15:00:40 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 31											
Comments: This repeats the previously failed exposure 07.												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +/- 0.03		Reference Frame: ICRS			
	Comments:											
	Category=GALAXY Description=[QSO, QUASAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile 2 (repeat #2) (34) (1)	400 Secs (1904 Secs) [==>476.0 Secs (Pattern 1)] [==>476.0 Secs (Pattern 2)] [==>476.0 Secs (Pattern 3)] [==>476.0 Secs (Pattern 4)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20250624
	The diagram illustrates the orbit structure for Orbit 1, showing a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~400s, four exposures (Exp. 1) at ~1100s, ~1700s, ~2300s, and ~2900s, each preceded by a Pointing Maneuver. An Occultation occurs at ~3000s, followed by a period of Unused Orbital Visibility = 1 until ~3300s. The timeline ends at ~5600s.											

Proposal 17725 - Tile 1 (repeat #3) (35) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile 1 (repeat #3) (35), implementation Thu Aug 21 15:00:40 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 31 <i>Comments: This repeats the previously failed exposure 12.</i>				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000		V=26+/-2 zAB = 18.33 +/- 0.03
	<i>Comments:</i> Category=GALAXY Description=[QSO, QUASAR]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(1)	J0100+2802	ACS/WFC, ACCUM, WFC1	F892N
					Opt. Params. Special Reqs. POS TARG -17.200 19685995847,28.485 870923327237
					Groups Pattern 1, Exps 1-1 i n Tile 1 (repeat #3) (35) (1)
					Exp. Time (Total)/[Actual Dur.] 400 Secs (1904 Secs) [= > 476.0 Secs (Pattern 1)] [= > 476.0 Secs (Pattern 2)] [= > 476.0 Secs (Pattern 3)] [= > 476.0 Secs (Pattern 4)]
					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20250624				

Proposal 17725 - Tile 2 (repeat #3) (36) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Thu Aug 21 15:00:40 GMT 2025

Visit	Proposal 17725, Tile 2 (repeat #3) (36)									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: SAME ORIENT AS 31									
Comments: This repeats the previously failed exposure 12.										
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856							(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +/- 0.03		Reference Frame: ICRS	
	Comments: Category=GALAXY Description=[QSO, QUASAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile 2 (repeat #3) (36) (1)	400 Secs (1904 Secs) [=>476.0 Secs (Pattern 1)] [=>476.0 Secs (Pattern 2)] [=>476.0 Secs (Pattern 3)] [=>476.0 Secs (Pattern 4)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20250624									

Proposal 17725 - Tile 1 (repeat #4) (37) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Visit	Proposal 17725, Tile 1 (repeat #4) (37), implementation										Thu Aug 21 15:00:40 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 31										
Comments: This repeats the previously failed exposure 18.											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856									(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +/- 0.03		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG -17.200 19685995847,28.485 870923327237	Pattern 1, Exps 1-1 in Tile 1 (repeat #4) (37) (1)	400 Secs (1904 Secs) [==>476.0 Secs (Pattern 1)] [==>476.0 Secs (Pattern 2)] [==>476.0 Secs (Pattern 3)] [==>476.0 Secs (Pattern 4)]		[1]
Orbit Structure	Orbit 1 Server Version: 20250624										
	GS Acq Exp. 1 Exp. 1 Exp. 1 Exp. 1 Occultation Pointing Maneuver Pointing Maneuver Pointing Maneuver Unused Orbital Visibility = 1 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 17725 - Tile 2 (repeat #4) (38) - Tomographic mapping of a super-luminous quasar in the Epoch of Reionization

Thu Aug 21 15:00:40 GMT 2025

Visit	Proposal 17725, Tile 2 (repeat #4) (38)										Thu Aug 21 15:00:40 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 31										
Comments: This repeats the previously failed exposure 18.											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.7 Purpose=DITHER Angle Between Sides=69.02 Number Of Points=4 Center Pattern=false Point Spacing=0.2637 Line Spacing=0.1856								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	J0100+2802	RA: 01 00 13.0568 (15.0544033d) Dec: +28 02 9.46 (28.03596d) Equinox: J2000				V=26+/-2 zAB = 18.33 +/- 0.03		Reference Frame: ICRS		
	Comments:										
	Category=GALAXY Description=[QSO, QUASAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) J0100+2802	ACS/WFC, ACCUM, WFC1	F892N		POS TARG 17.2001 9685995847,-28.485 870923327237	Pattern 1, Exps 1-1 in Tile 2 (repeat #4) (38) (1)	400 Secs (1904 Secs) [=>476.0 Secs (Pattern 1)] [=>476.0 Secs (Pattern 2)] [=>476.0 Secs (Pattern 3)] [=>476.0 Secs (Pattern 4)]		[1]
Orbit Structure	Orbit 1 Server Version: 20250624 050010001500200025003000350040004500500055006000 sec										