



18376 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Cycle: 34, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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James Mang (CoI)	University of Texas at Austin
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Dr. Kellen Dunn Lawson (CoI)	Space Telescope Science Institute
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Klaus Subbotina Stephenson (CoI) (CSA Member)	University of Victoria
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Prof. Michael R. Meyer (CoI)	University of Michigan
Raphael Bendahan-West (CoI) (ESA Member)	University of Exeter
William Balmer (CoI)	Space Telescope Science Institute
Dr. Yifan Zhou (CoI)	The University of Virginia
Dr. Ewan S Douglas (CoI)	University of Arizona

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) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:19.0	yes
02	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:20.0	yes
03	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:22.0	yes
04	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:24.0	yes
05	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:26.0	yes
06	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:27.0	yes
07	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:29.0	yes
08	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:30.0	yes
09	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:32.0	yes
10	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:34.0	yes
11	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:35.0	yes
12	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:37.0	yes
13	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:38.0	yes
14	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:40.0	yes
15	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:42.0	yes
16	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:43.0	yes
17	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:45.0	yes
18	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:46.0	yes
19	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:48.0	yes
20	(1) V-CE-ANT	WFC3/UVIS	1	14-Aug-2026 16:00:49.0	yes

20 Total Orbits Used

ABSTRACT

Proposal 18376 (STScI Edit Number: 1, Created: Friday, August 14, 2026, 3:00:50PM Eastern Standard Time) - Overview

Studying accretion rates for young, planetary mass objects is essential for understanding planetary formation and evolution. Currently, the sample size of accreting planetary mass companions is small (~ 10) and is limited to multi-Jupiter mass planets found within protoplanetary and transitional disks. We propose observing the newly detected planet, TWA 7 b, with WFC3/UVIS to constrain H $_{\alpha}$ and hydrogen continuum emission related to accretion onto the planet from a potential circumplanetary disk. TWA 7 b is the first, directly imaged Saturn mass planet, and is located within a structured debris disk. The location of the planet within a circumstellar disk and the young age of the system (~ 7 Myr) suggests a high-likelihood of TWA 7 b hosting a circumplanetary disk that may still be actively accreting onto the planet. Thus, TWA 7 b makes the perfect target to further our understanding of accretion rates for planets in the sub-Jupiter regime and directly connecting to the formation of the Solar System gas giants.

OBSERVING DESCRIPTION

We will observe the directly imaged Saturn-mass planet, TWA 7 b, with the UVIS instrument in both the F656N and F336W filters. The goal is to place constraints on the potential accretion from a circumplanetary disk through the H $_{\alpha}$ emission and Balmer jump. TWA 7 b is the only sub-Jupiter mass planet in which such accretion measurements can be made, given the system's young age (~ 6 -7 Myr), close distance to Earth (34.1 pc), and lack of other directly imaged exoplanets in this mass range.

Based on accretion estimates and sensitivity calculations, we will need ~ 1 hour of total exposure time in the F656N filter and ~ 6 hours of total exposure time in the F336W filter to reach the required sensitivity. The 512C-SUB subarray (20" by 20") will be used to reduce detector readout time.

Since the star saturates at 51.9 s in F656N, we estimate that 40 s exposures is a good trade off between avoiding saturation from the star and limiting readout noise. Therefore, to achieve ~ 1 hour of total exposure time, we request 36 exposures in the F656N filter over the first 3 orbits (12 exposures per orbit). For the F336W filter, the star saturates in 67 s, we will be using the remaining time over the 20 orbits to obtain 444 50 second exposures for a total integration time of 6.2 hours to roughly match the 6:1 exposure time ratio followed by Zhou et al. 2021, which led to the detection of the Balmer jump for PDS 70 b.

We use the preset UVIS-DITHER-BOX dither pattern to improve spatial sampling, a critical requirement for building accurate PSF models to aid in subtraction of the primary star. The 4-dither pattern will be efficient for sampling the PSF and allows us to schedule 12 F656N and/or 12-24 F336W exposures per orbit, which efficiently fills the allowable observation time per orbit.

We follow the recommendations in the instrument handbook and require FLASH=12 pre-flash to mitigate potential CTE-loss in the observations.

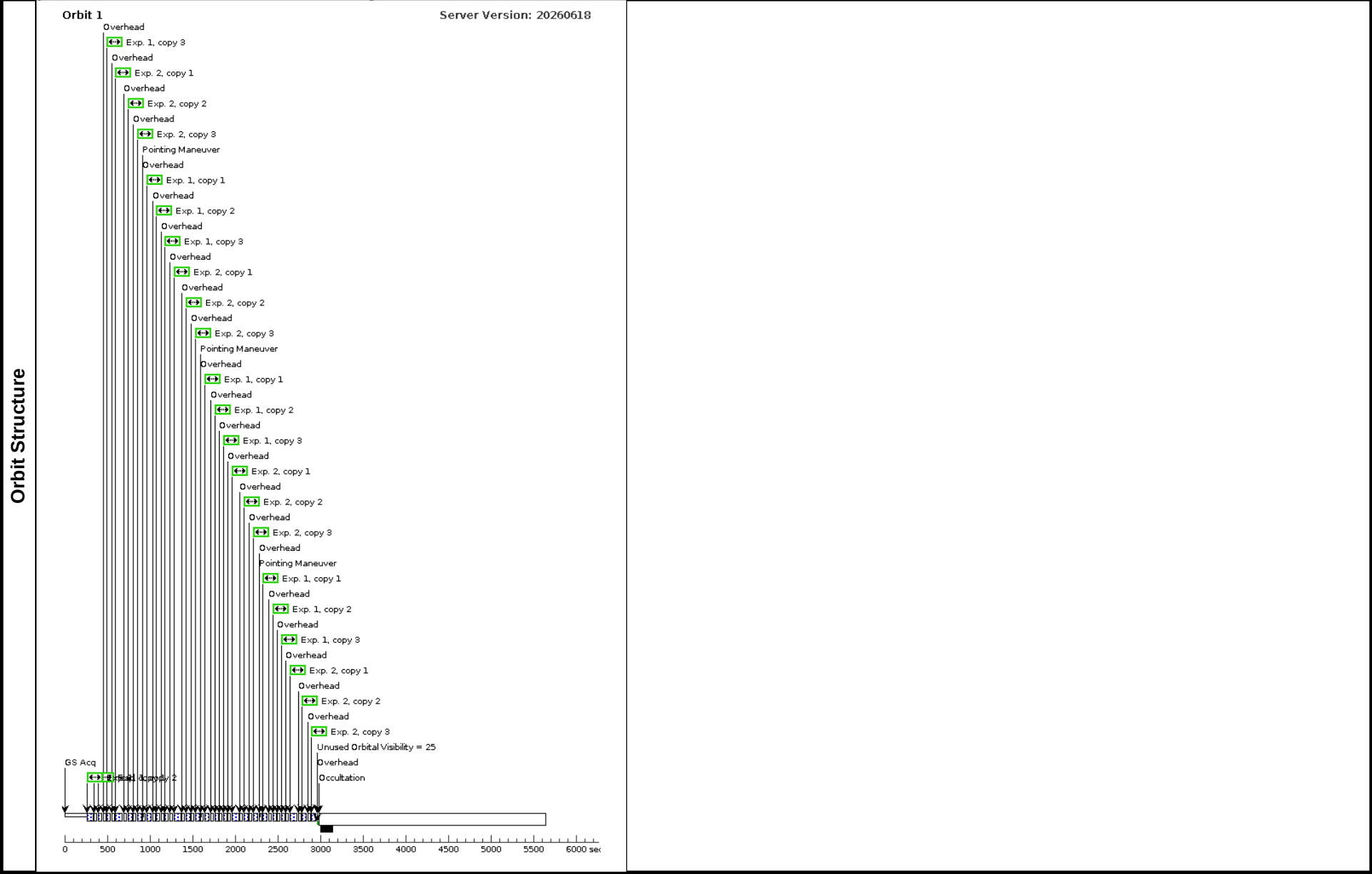
We will be performing reference differential imaging (RDI) using a HST/WFC3 archival PSF library, following the procedure of Sanghi et al. 2019. Given the wide-separation of the planet at 1.5", RDI alone will be sufficient for PSF subtraction.

Proposal 18376 - Visit 01 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 01, implementation Fri Aug 14 20:00:50 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-2 in Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 3, Exps 1-2 in Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	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	(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
	Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]				

Proposal 18376 - Visit 01 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F656N	FLASH=12		Pattern 3, Exps 1-2 in Visit 01 (3)	40 Secs X 3 (480 Secs)	
									[==>(Pattern 1, Copy 1)]	[1]
									[==>(Pattern 1, Copy 2)]	
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									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 4, Copy 1)]	[1]
									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
	2		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-2 in Visit 01 (3)	50 Secs X 3 (600 Secs)	
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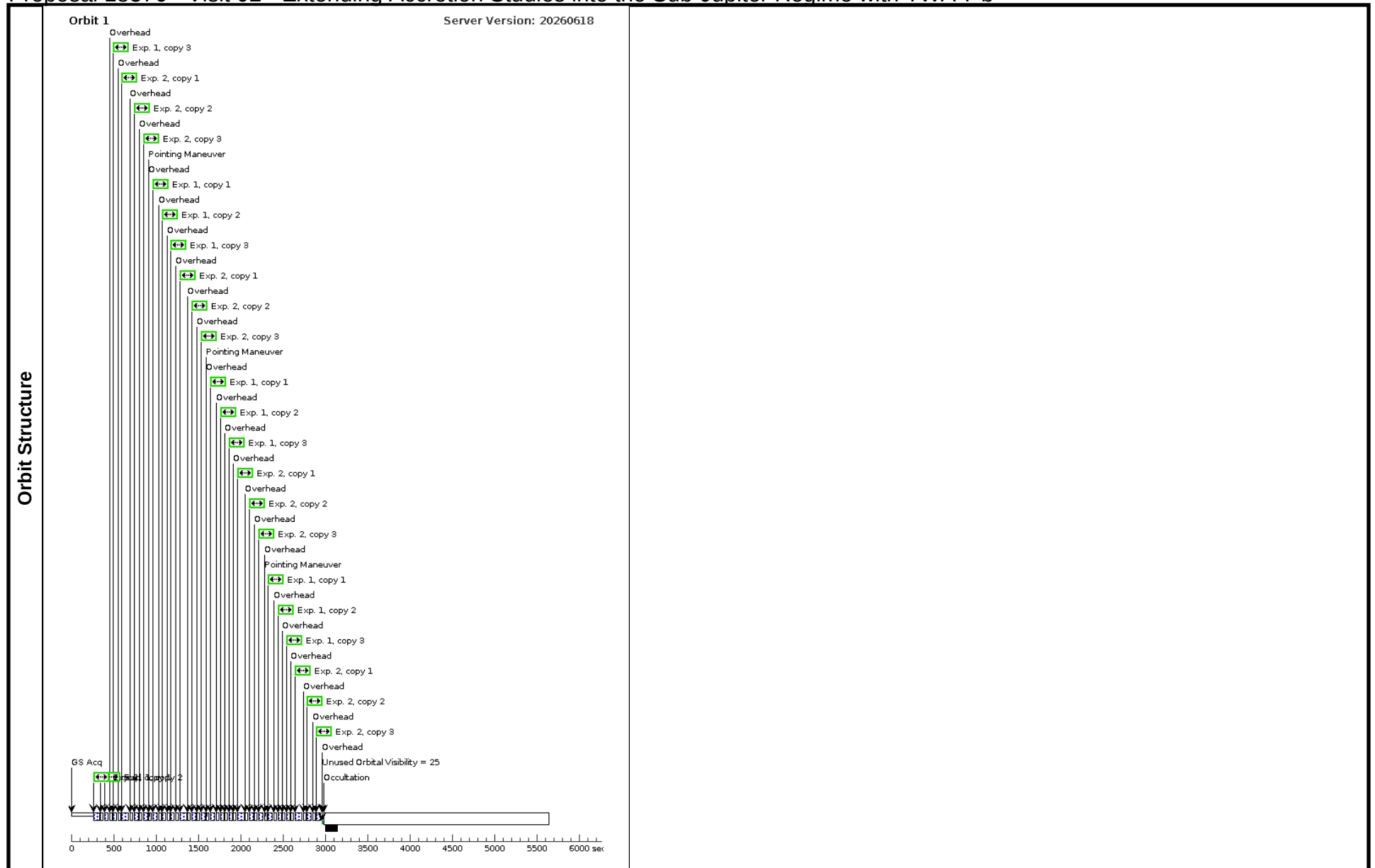
Proposal 18376 - Visit 02 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 02, implementation Fri Aug 14 20:00:50 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-2 in Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 3, Exps 1-2 in Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	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	(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
	Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]				

Proposal 18376 - Visit 02 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F656N	FLASH=12		Pattern 3, Exps 1-2 in Visit 02 (3)	40 Secs X 3 (480 Secs)	
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									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
	2		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-2 in Visit 02 (3)	50 Secs X 3 (600 Secs)	
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Proposal 18376 - Visit 02 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

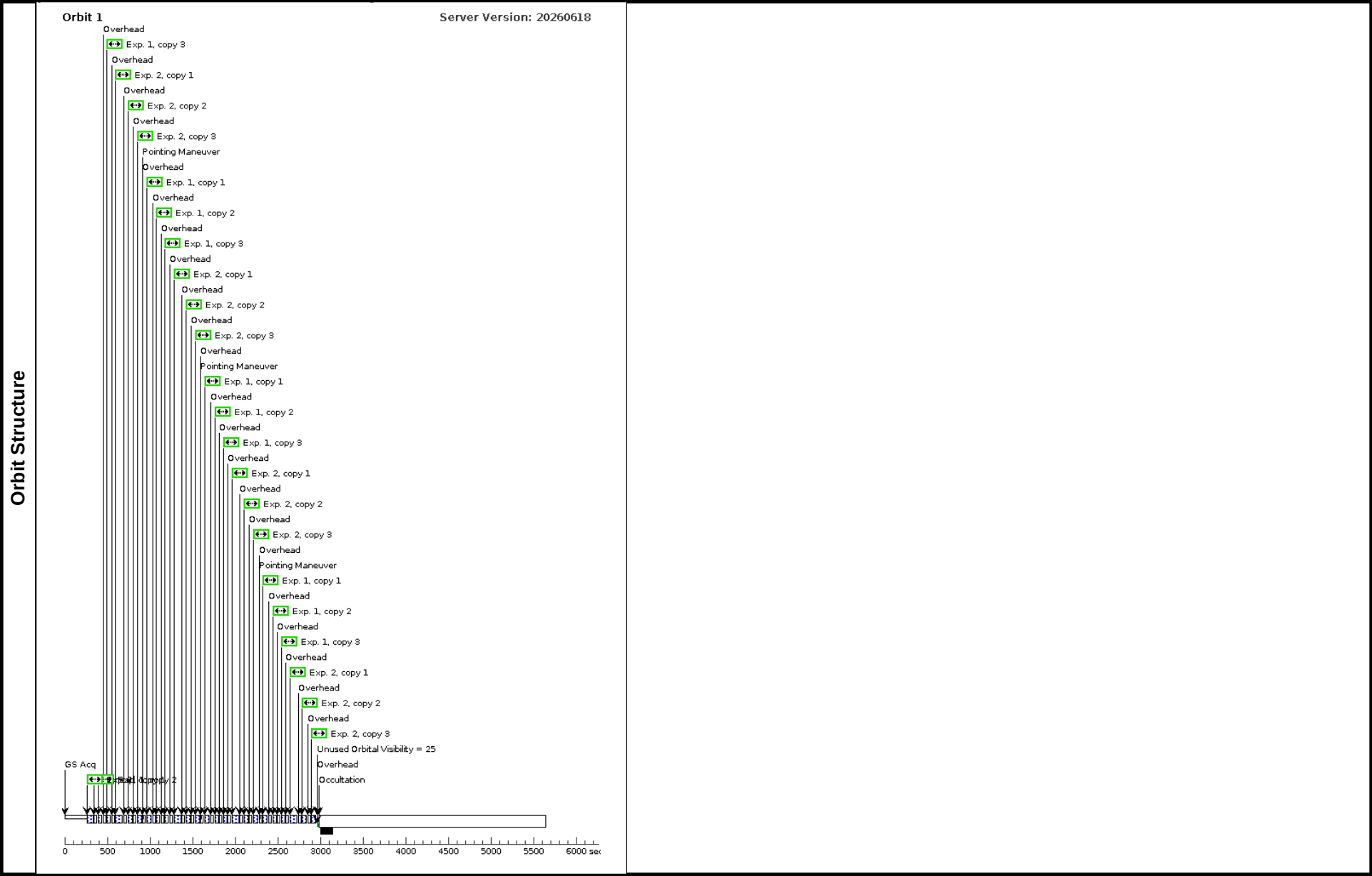


Proposal 18376 - Visit 03 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 03, implementation Fri Aug 14 20:00:50 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-2 in Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 3, Exps 1-2 in Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	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	(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
	Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]				

Proposal 18376 - Visit 03 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F656N	FLASH=12		Pattern 3, Exps 1-2 in Visit 03 (3)	40 Secs X 3 (480 Secs)	
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	2		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-2 in Visit 03 (3)	50 Secs X 3 (600 Secs)	
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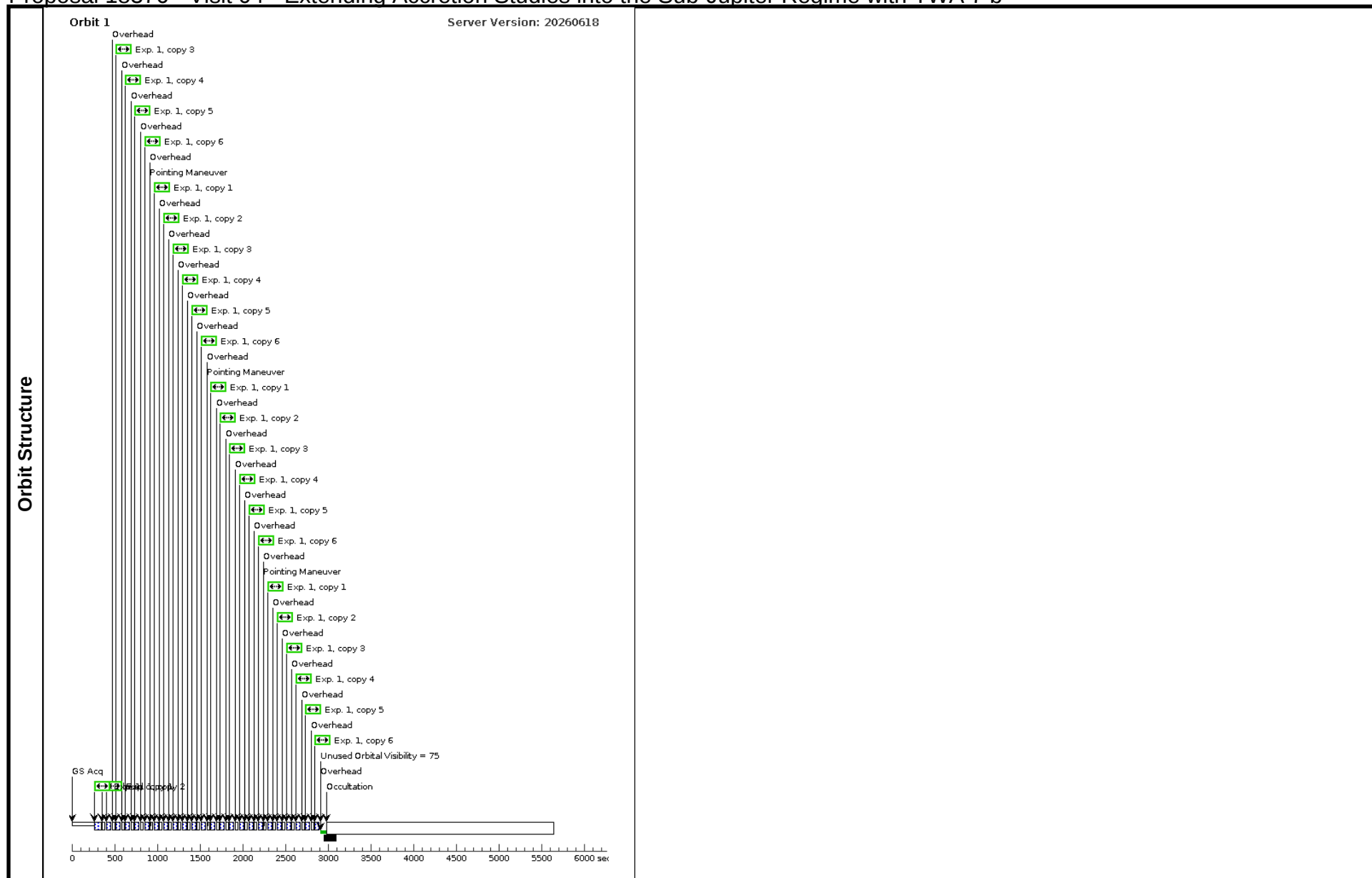
Proposal 18376 - Visit 04 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 04, implementation Fri Aug 14 20:00:50 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 04 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 04 (3)	50 Secs X 6 (1200 Secs)	
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Proposal 18376 - Visit 04 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b



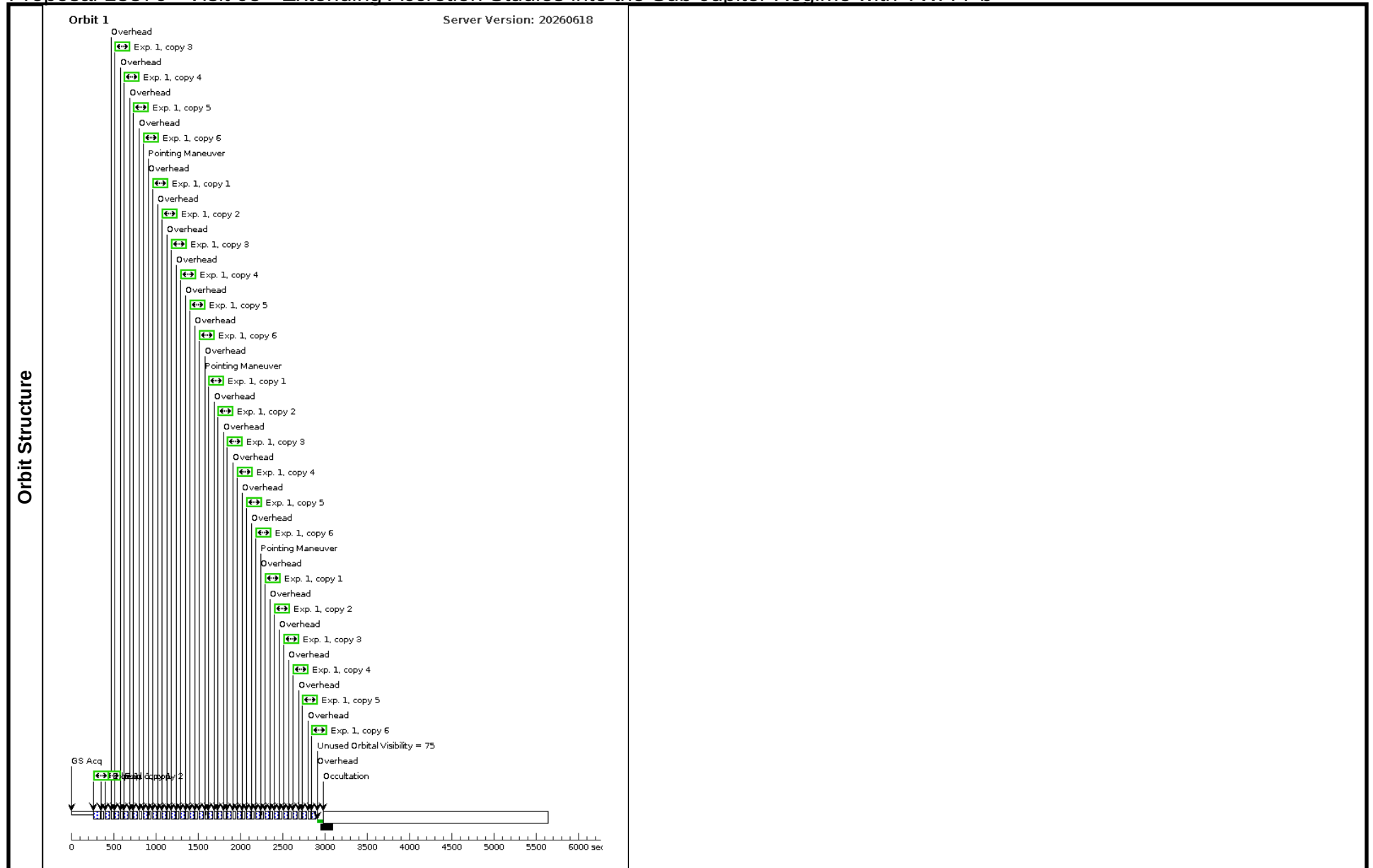
Proposal 18376 - Visit 05 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 05, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 05 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 05 (3)	50 Secs X 6 (1200 Secs)	
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Proposal 18376 - Visit 05 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b



Proposal 18376 - Visit 06 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 06, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 06 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 06 (3)	50 Secs X 6 (1200 Secs)	
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									[==>(Pattern 4, Copy 3)]	
									[==>(Pattern 4, Copy 4)]	
									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
									[1]	

Proposal 18376 - Visit 06 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

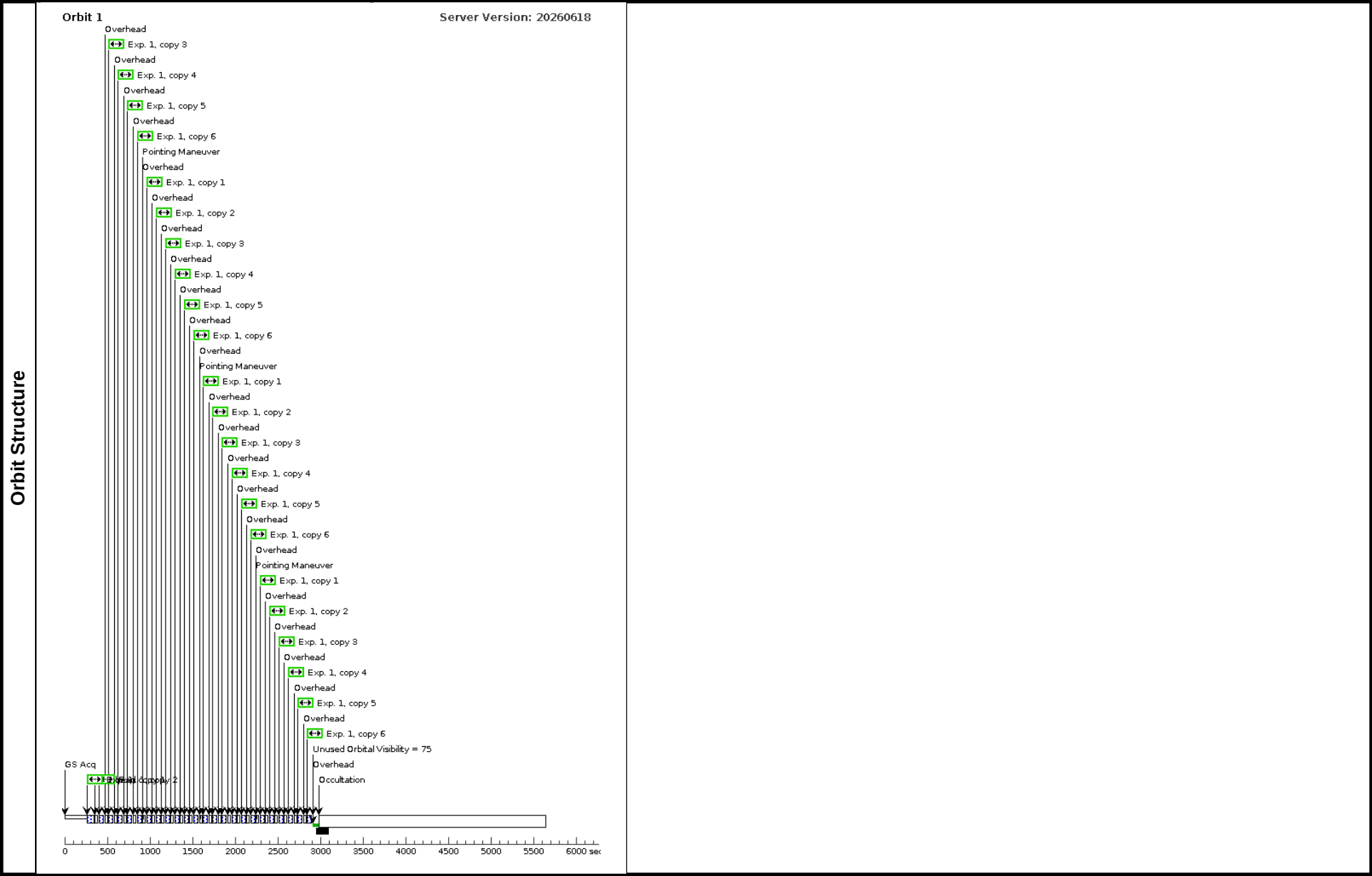


Proposal 18376 - Visit 07 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 07, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 07 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 07 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
									[==>(Pattern 4, Copy 1)]	
									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
									[==>(Pattern 4, Copy 4)]	
									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
									[1]	

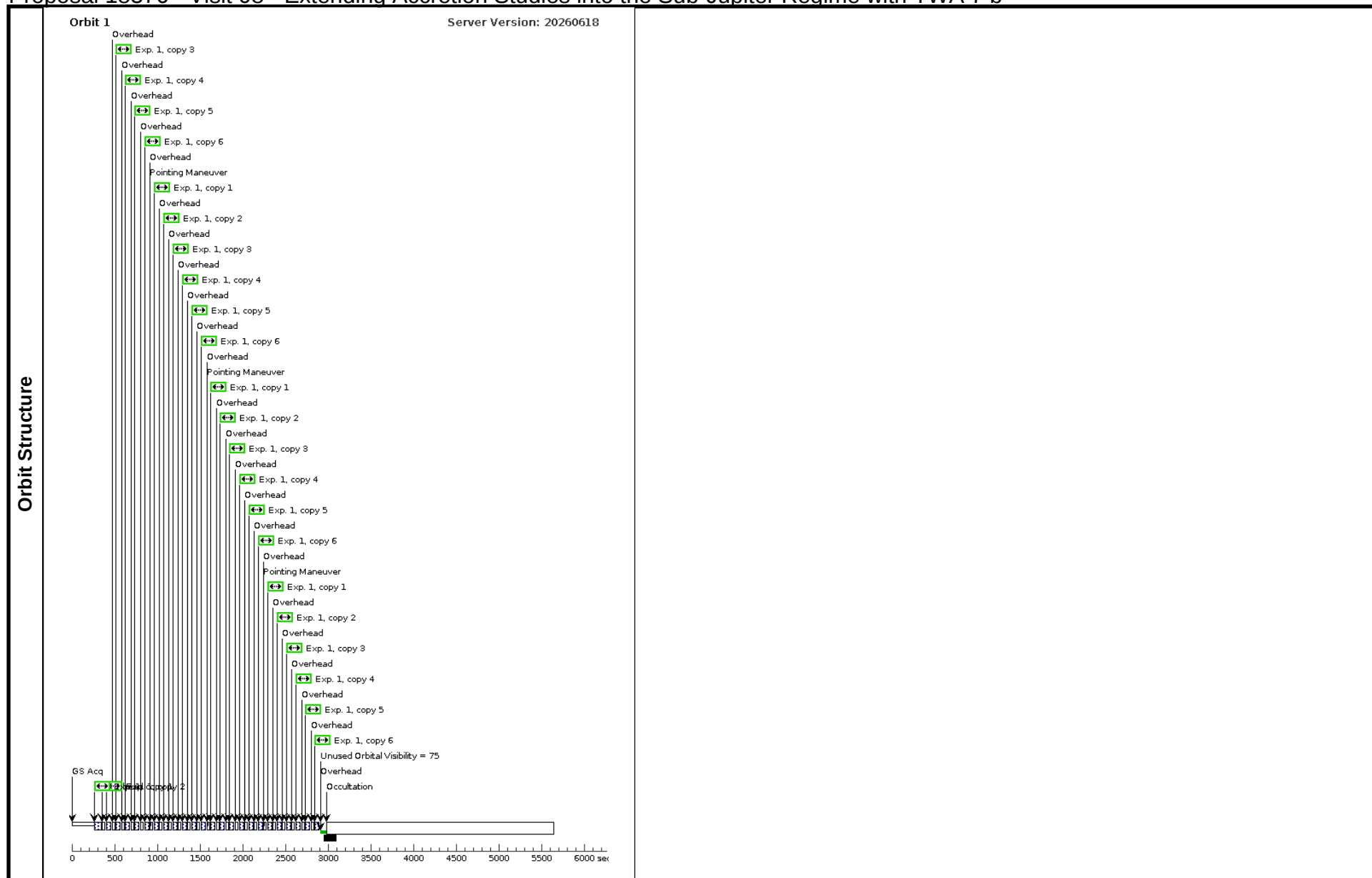


Proposal 18376 - Visit 08 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 08, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 08 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 08 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
									[==>(Pattern 4, Copy 1)]	
									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
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									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
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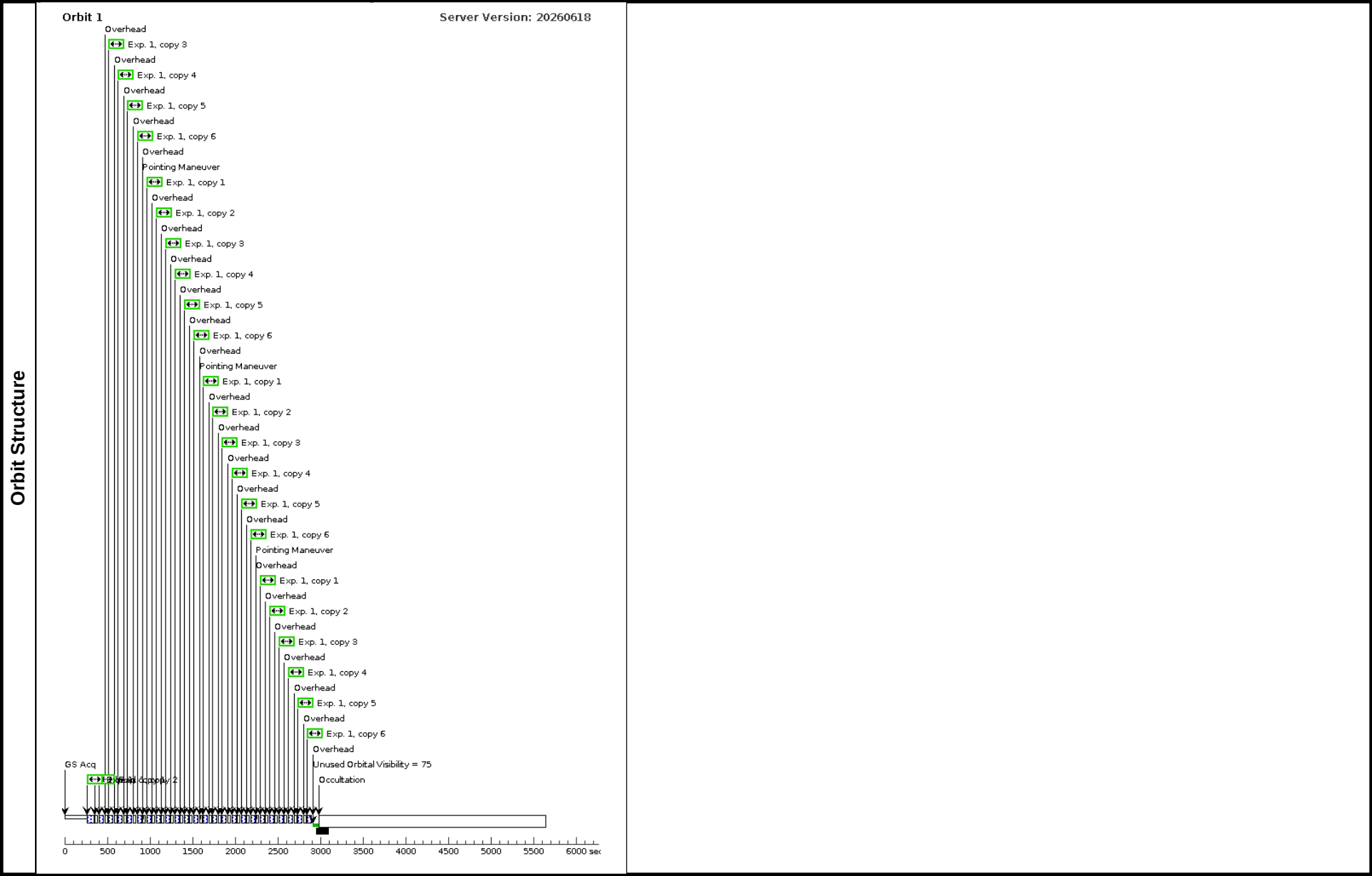


Proposal 18376 - Visit 09 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 09, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 09 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 09 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
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									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
									[1]	



Proposal 18376 - Visit 10 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 10, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Fixed Targets	Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]				

Proposal 18376 - Visit 10 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 10 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
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									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
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									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
									[1]	

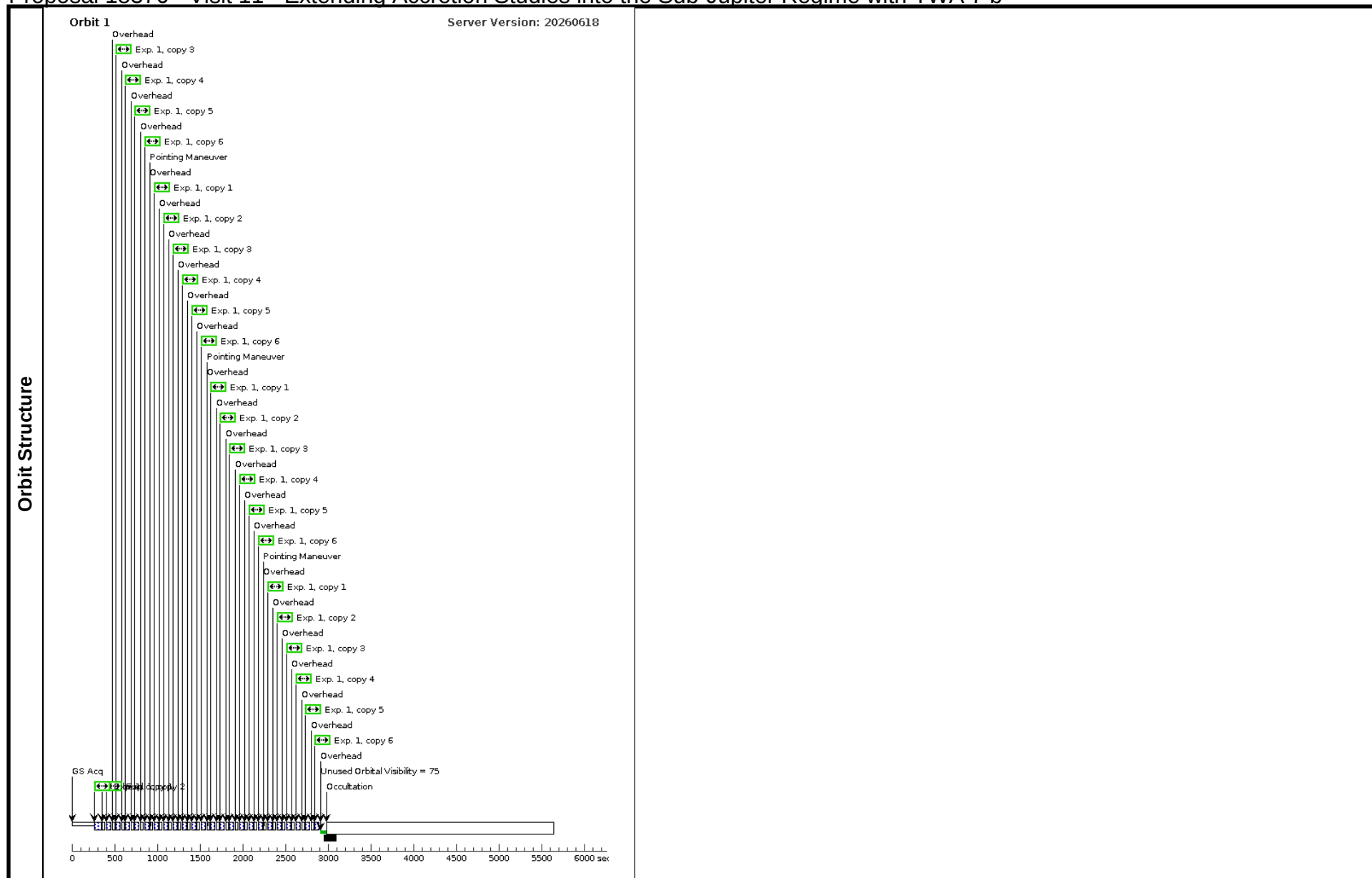


Proposal 18376 - Visit 11 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 11, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 11)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 11 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 11 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
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									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
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									[==>(Pattern 4, Copy 3)]	
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									[==>(Pattern 4, Copy 6)]	
									[1]	

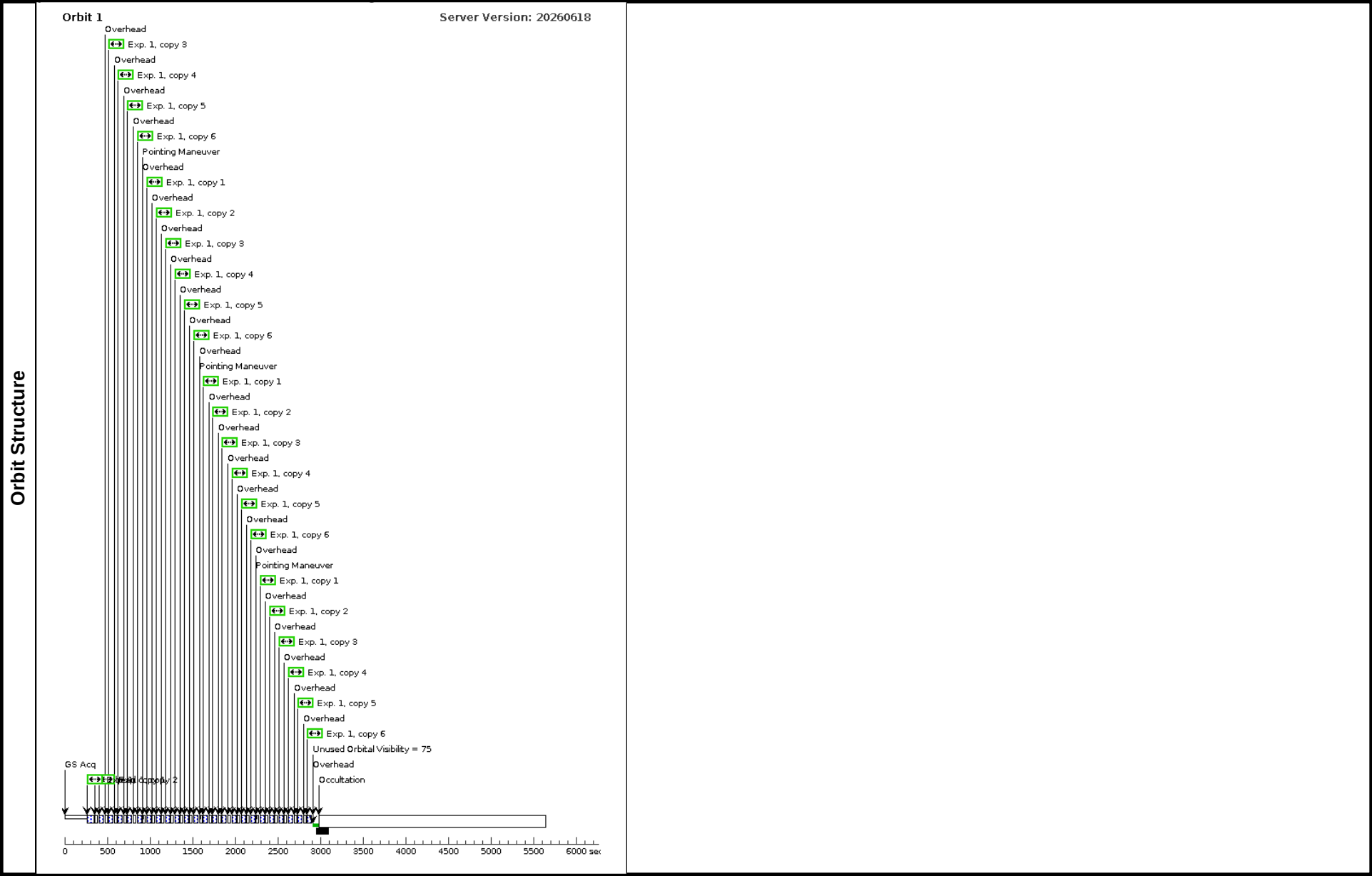


Proposal 18376 - Visit 12 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 12, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnos	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 12)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 12 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 12 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
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									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
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									[==>(Pattern 2, Copy 6)]	
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									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
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									[==>(Pattern 4, Copy 3)]	
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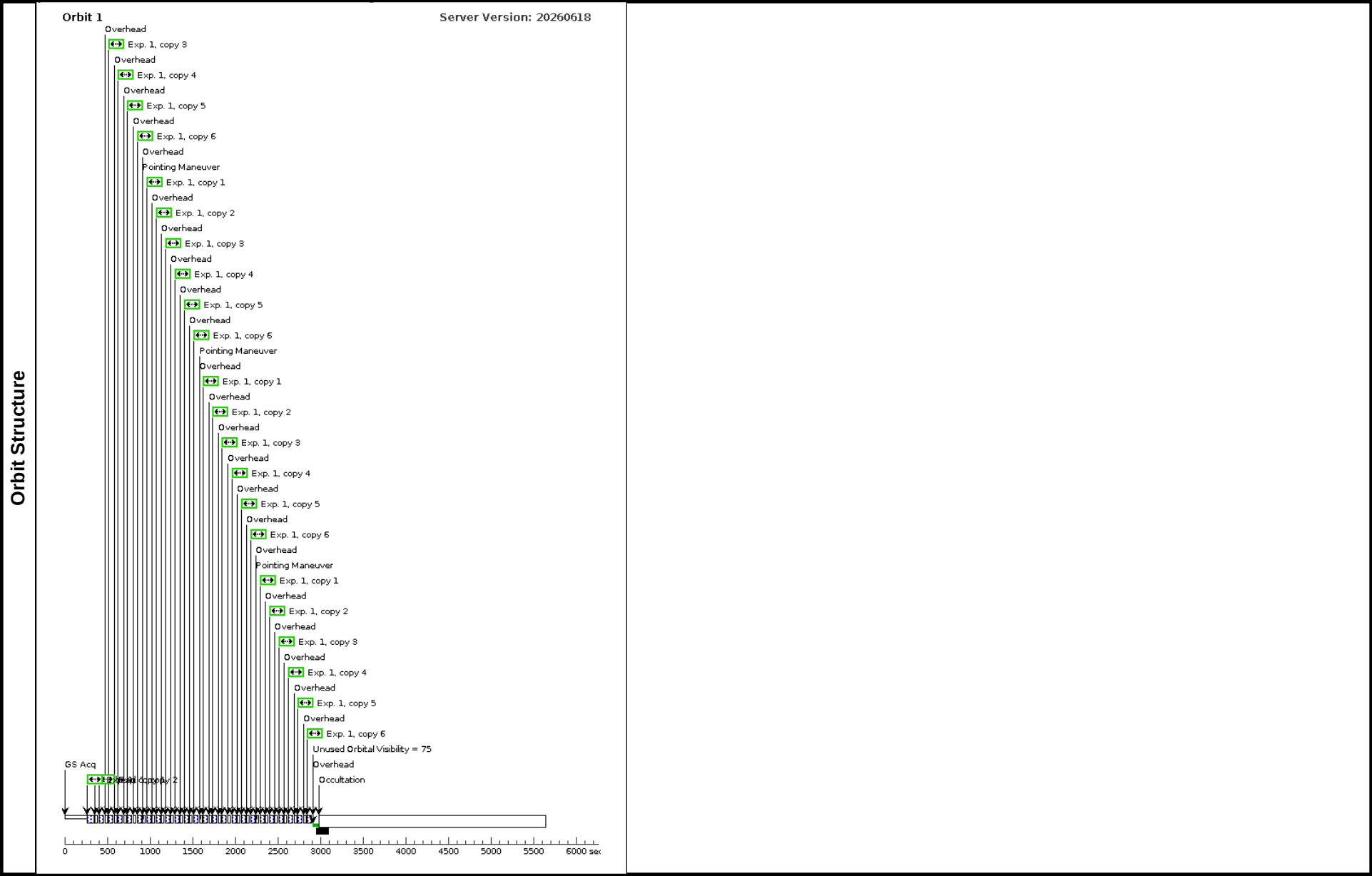


Proposal 18376 - Visit 13 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 13, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 13)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 13 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 13 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
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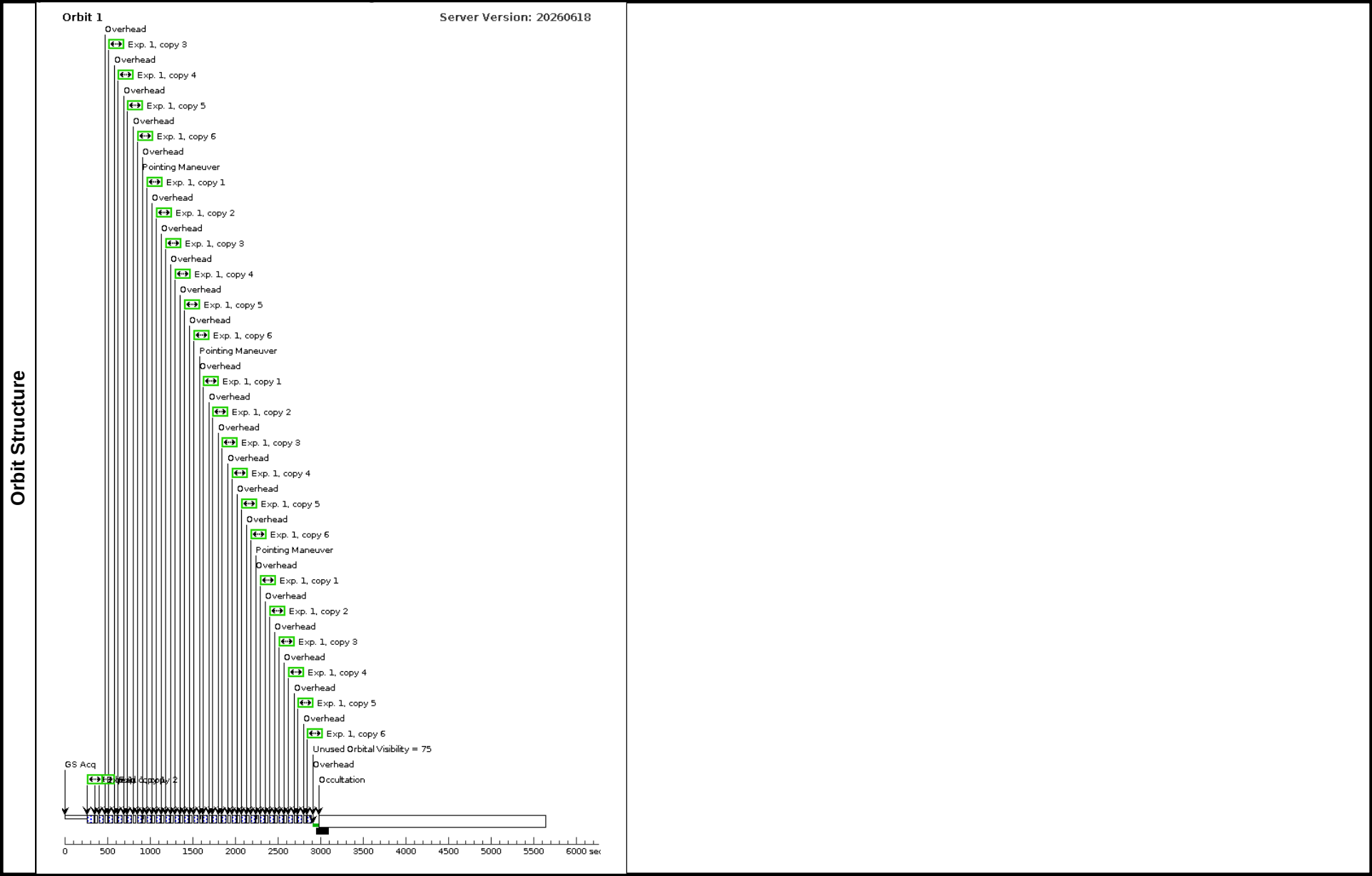


Proposal 18376 - Visit 14 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 14, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 14)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 14 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 14 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
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									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
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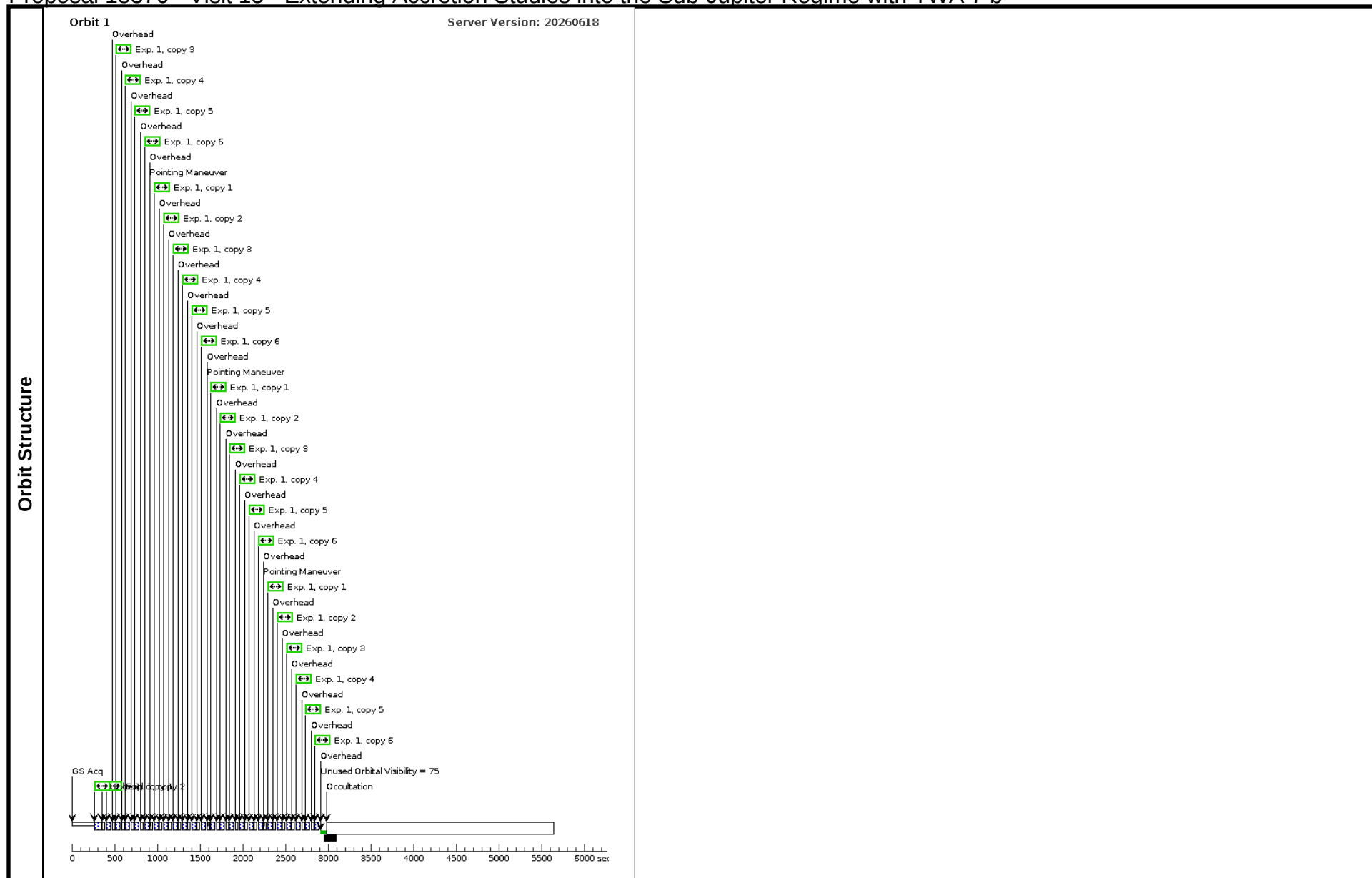


Proposal 18376 - Visit 15 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 15, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 15)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 15 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 15 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
									[==>(Pattern 4, Copy 1)]	
									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
									[==>(Pattern 4, Copy 4)]	
									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
									[1]	

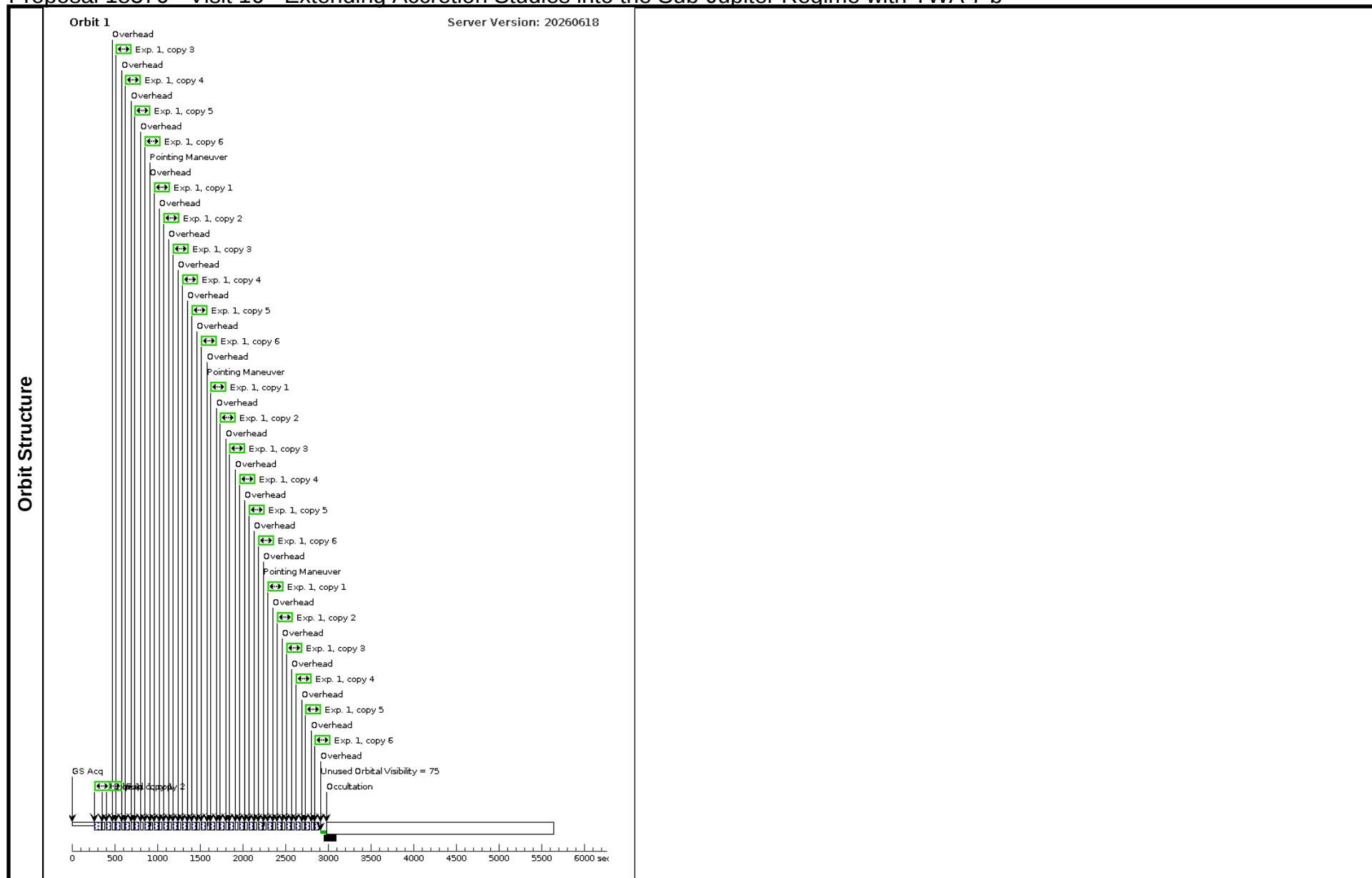


Proposal 18376 - Visit 16 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 16, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 16)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Fixed Targets	Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]				

Proposal 18376 - Visit 16 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 16 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
									[==>(Pattern 4, Copy 1)]	
									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
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									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
									[1]	

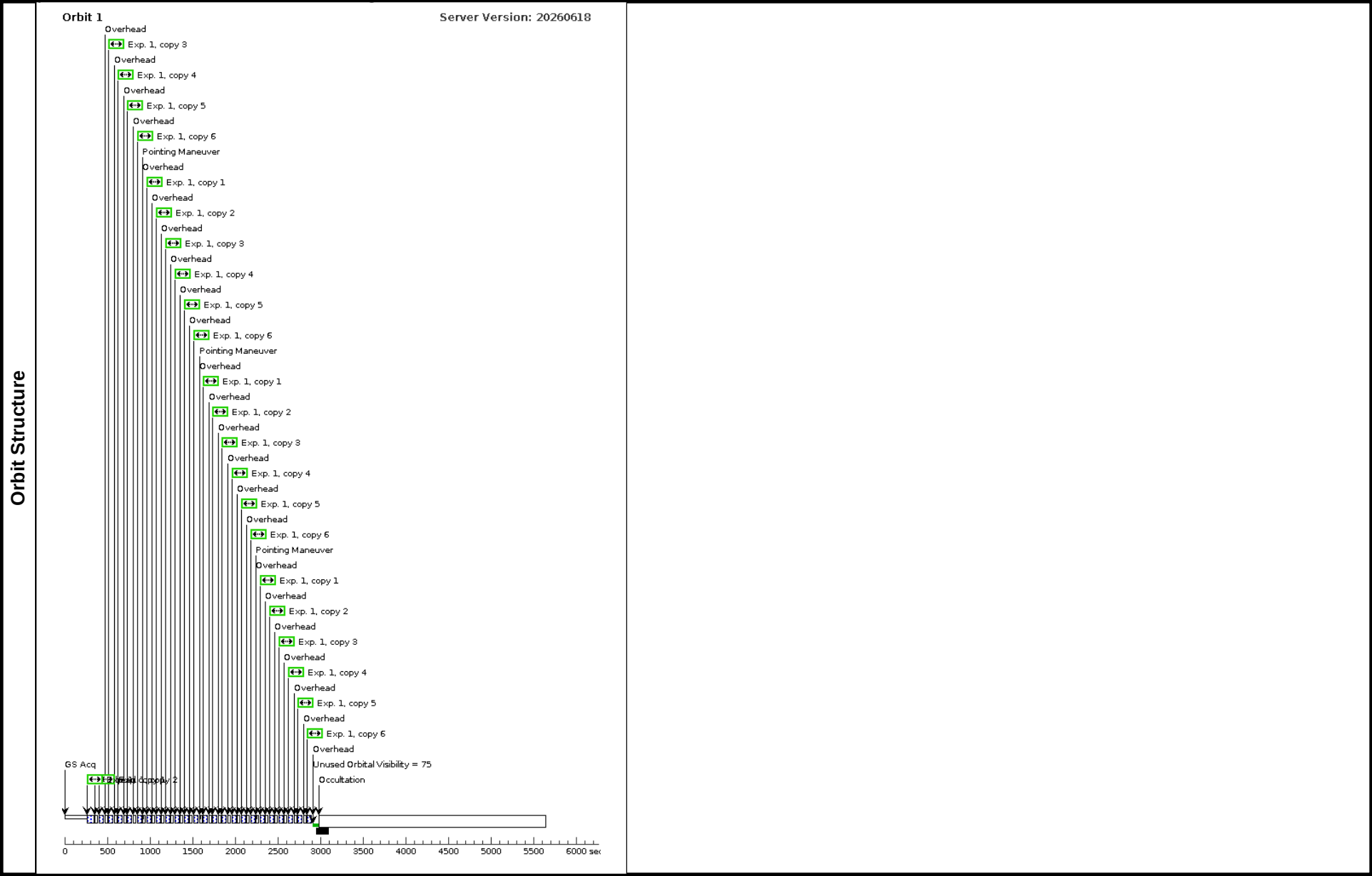


Proposal 18376 - Visit 17 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 17, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnos	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 17)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 17 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 17 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
									[==>(Pattern 4, Copy 1)]	
									[==>(Pattern 4, Copy 2)]	
									[==>(Pattern 4, Copy 3)]	
									[==>(Pattern 4, Copy 4)]	
									[==>(Pattern 4, Copy 5)]	
									[==>(Pattern 4, Copy 6)]	
									[1]	

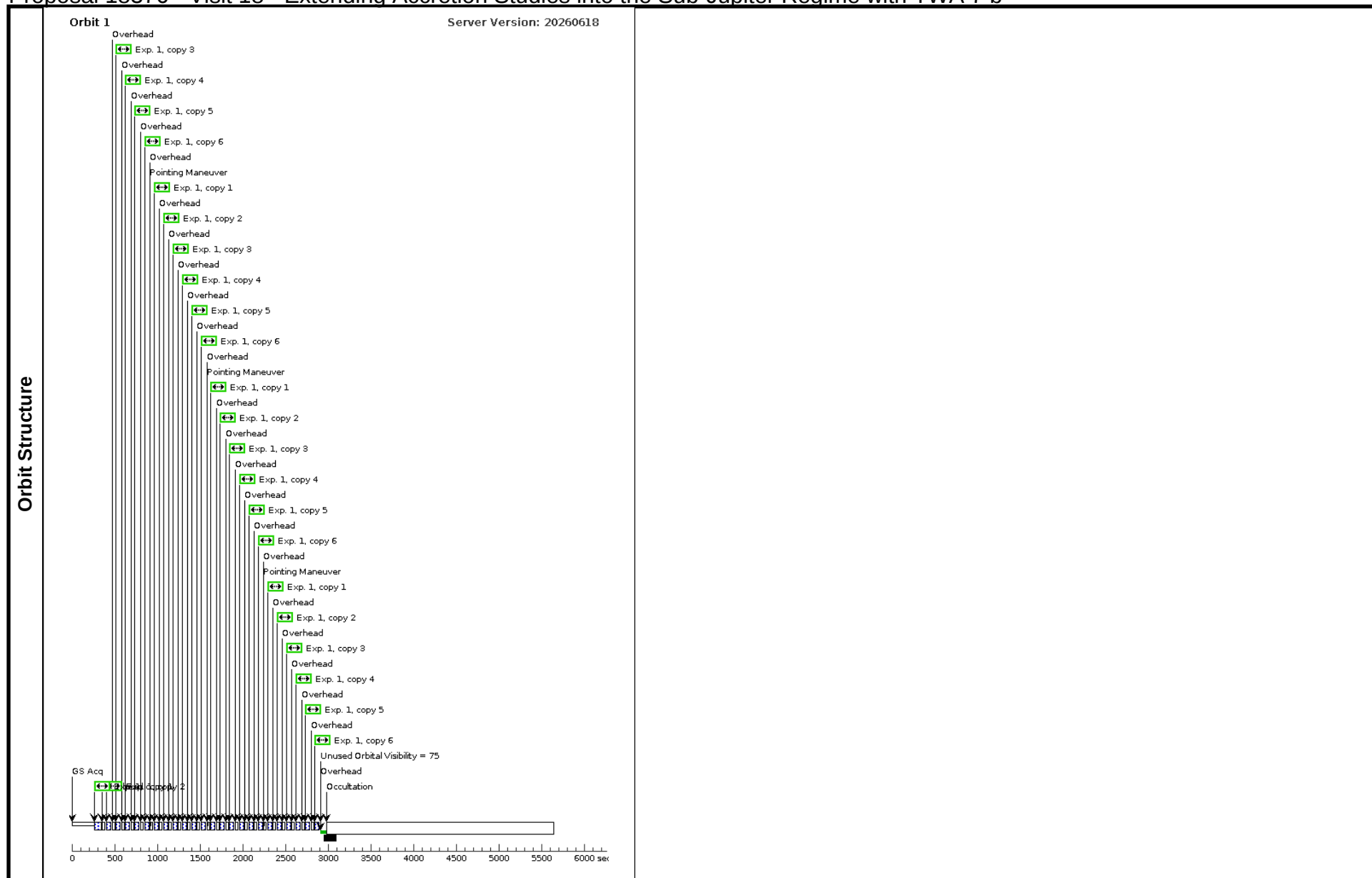


Proposal 18376 - Visit 18 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 18, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 18)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
	Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]				

Proposal 18376 - Visit 18 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 18 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
									[==>(Pattern 3, Copy 6)]	
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									[==>(Pattern 4, Copy 3)]	
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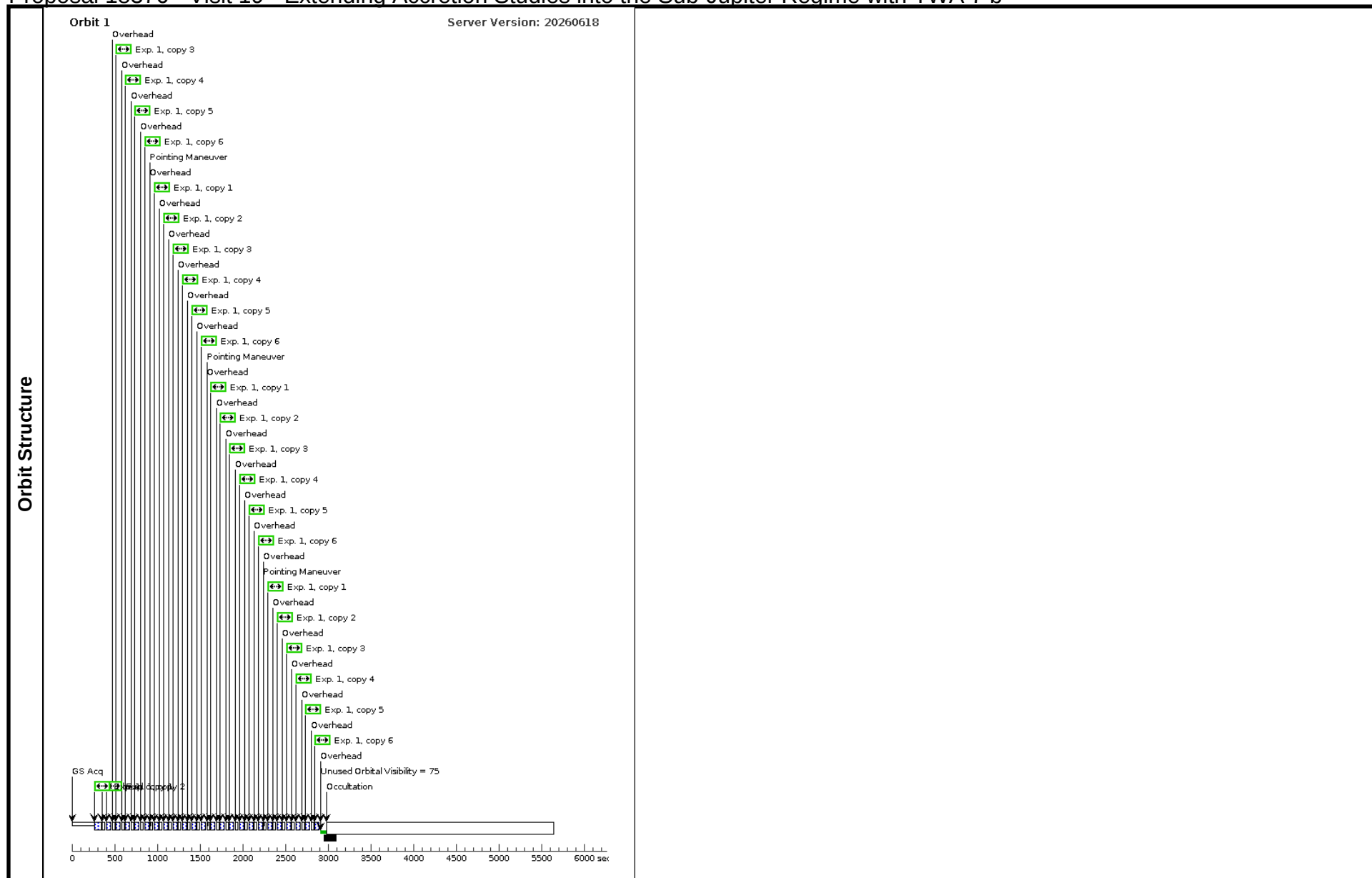


Proposal 18376 - Visit 19 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 19, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 19)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 19 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 19 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
									[==>(Pattern 1, Copy 5)]	
									[==>(Pattern 1, Copy 6)]	
									[==>(Pattern 2, Copy 1)]	
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
									[==>(Pattern 3, Copy 1)]	
									[==>(Pattern 3, Copy 2)]	
									[==>(Pattern 3, Copy 3)]	
									[==>(Pattern 3, Copy 4)]	
									[==>(Pattern 3, Copy 5)]	
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									[1]	



Proposal 18376 - Visit 20 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

Visit	Proposal 18376, Visit 20, implementation Fri Aug 14 20:00:51 GMT 2026				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Diagnosics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 20)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(3)	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
	(1)	V-CE-ANT	RA: 10 42 30.1019 (160.6254246d) Dec: -33 40 16.23 (-33.67118d) Equinox: J2000	Proper Motion RA: -118.751 mas/yr Proper Motion Dec: -19.648 mas/yr Parallax: 0.0293277" Epoch of Position: 2000	V=10.91 Reference Frame: ICRS
Comments: Category=STAR Description=[DISK, EXTRA-SOLAR PLANETARY SYSTEM, M III-I]					

Proposal 18376 - Visit 20 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1		(1) V-CE-ANT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-1 i n Visit 20 (3)	50 Secs X 6 (1200 Secs)	
									[==>(Pattern 1, Copy 1)]	
									[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 1, Copy 3)]	
									[==>(Pattern 1, Copy 4)]	
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									[==>(Pattern 2, Copy 3)]	
									[==>(Pattern 2, Copy 4)]	
									[==>(Pattern 2, Copy 5)]	
									[==>(Pattern 2, Copy 6)]	
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Proposal 18376 - Visit 20 - Extending Accretion Studies into the Sub-Jupiter Regime with TWA 7 b

