



17954 - WFC3 UVIS Traps with Charge Injection

Cycle: 33, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Anne O'Connor (PI) (Contact)	Space Telescope Science Institute
Mariarosa Marinelli (CoI) (Contact)	Space Telescope Science Institute

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	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:14.0	yes
02	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:15.0	yes
03	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:15.0	yes
04	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:15.0	yes
05	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:15.0	yes
06	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:16.0	yes
07	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:16.0	yes
08	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:16.0	yes
09	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:17.0	yes
10	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:17.0	yes
11	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:17.0	yes
12	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:18.0	yes
13	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:18.0	yes

Proposal 17954 (STScI Edit Number: 0, Created: Wednesday, July 23, 2025, 3:00:26PM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
14	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:18.0	yes
15	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:19.0	yes
16	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:19.0	yes
17	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:19.0	yes
18	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:20.0	yes
19	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:20.0	yes
20	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:20.0	yes
21	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:21.0	yes
22	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:21.0	yes
23	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:21.0	yes
24	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:22.0	yes
25	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:22.0	yes
26	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:22.0	yes
27	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:23.0	yes
28	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:23.0	yes
29	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:24.0	yes
30	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:24.0	yes
31	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:24.0	yes
32	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:25.0	yes
33	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:25.0	yes
34	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:25.0	yes
35	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:26.0	yes
36	BIAS	WFC3/UVIS	1	23-Jul-2025 16:00:26.0	yes

36 Total Orbits Used

ABSTRACT

Due to damage to the silicon lattice of the UVIS CCD chips over time, the charge transfer efficiency (CTE) of the UVIS camera degrades, impacting science and calibration observations. A way to slow the impact of CTE loss is by applying a pixel-based CTE correction. Such a correction requires an algorithm that can identify and locate traps that are responsible for charge loss. This program will locate and characterize these charge traps, map their distribution across the CCD chips, and monitor the trap population growth over time.

Previous programs: 12693, 13084, 13569, 14013, 14379, 14542, 14991, 15577, 15722, 16402, 16574, 17010, 17355, 17675 (cycle 32)

OBSERVING DESCRIPTION

There will be a total of 36 internal orbits: Each visit will have a 5 day window to be executed, and there will be 1 orbit of 'line 25' charge injected biases every 10 days.

--Additional Comments--

4 iterations of each exposure are performed to improve the signal to noise of the final superbias.

The ``MAXIMUM DURATION EXCEEDED`` error is due to these iterations.

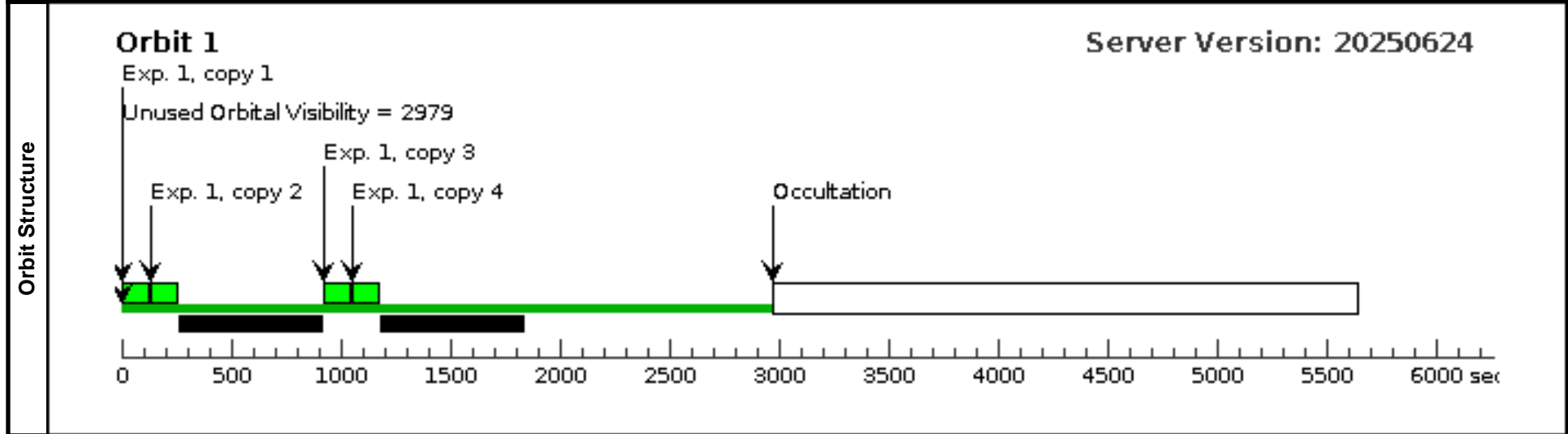
Proposal 17954 - Visit 01 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 01 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 07-NOV-2025:00:00:00 AND 12-NOV-2025:00:00:00
	(Visit 01) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT

Diagnostics	(Visit 01) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



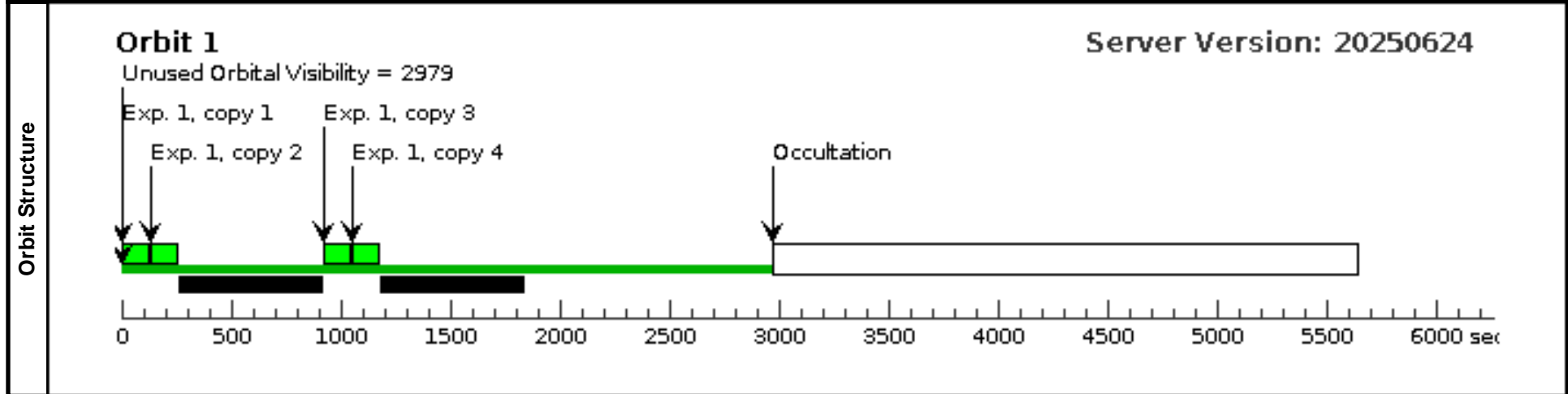
Proposal 17954 - Visit 02 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 02 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 17-NOV-2025:00:00:00 AND 22-NOV-2025:00:00:00

Diagnostics	(Visit 02) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



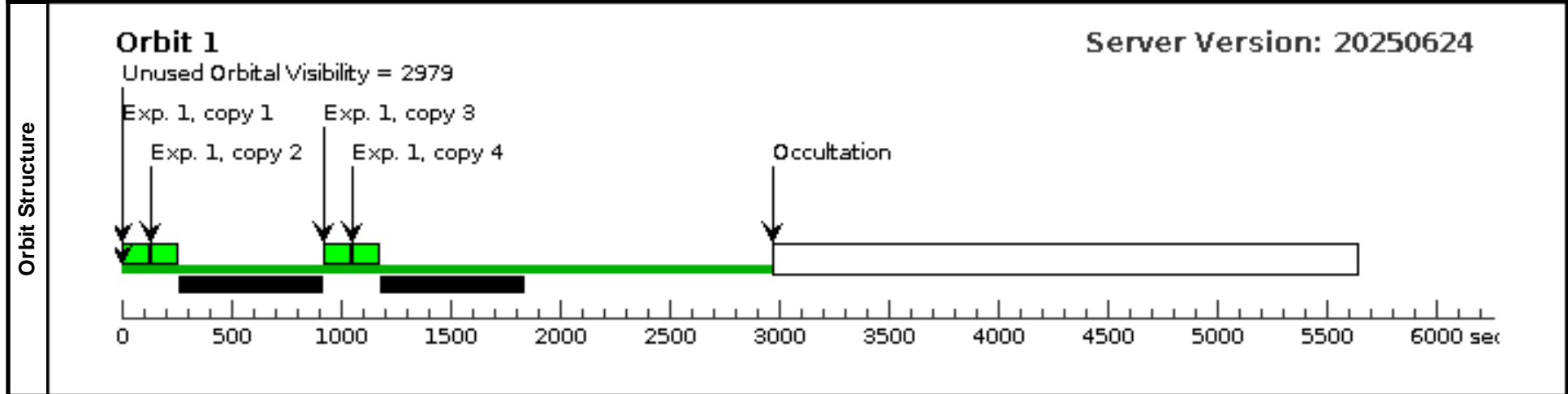
Proposal 17954 - Visit 03 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 03 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 27-NOV-2025:00:00:00 AND 02-DEC-2025:00:00:00

Diagnostics	(Visit 03) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



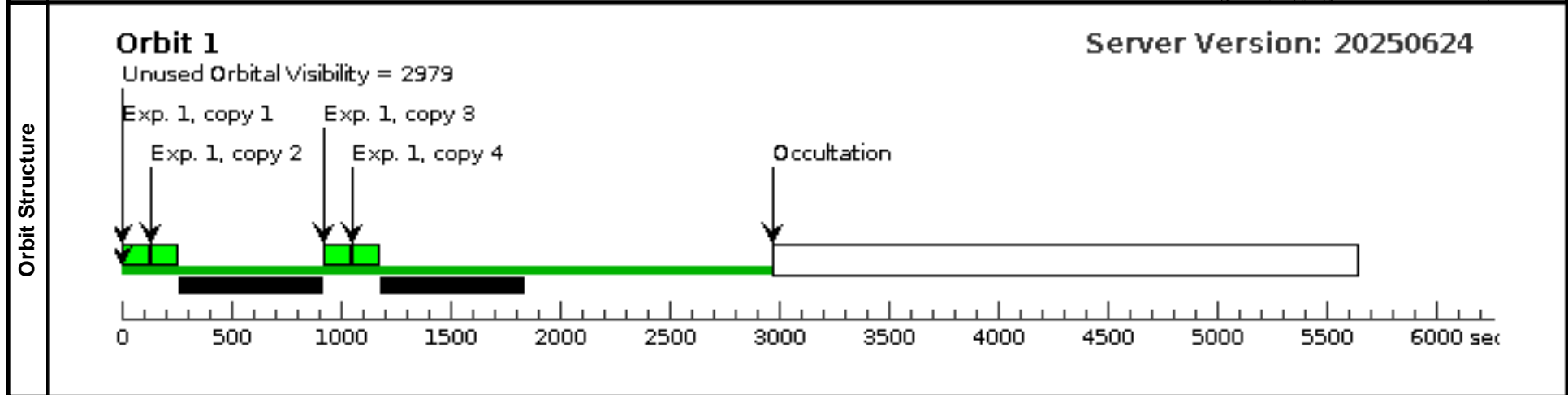
Proposal 17954 - Visit 04 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 04 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 07-DEC-2025:00:00:00 AND 12-DEC-2025:00:00:00

Diagnostics	(Visit 04) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



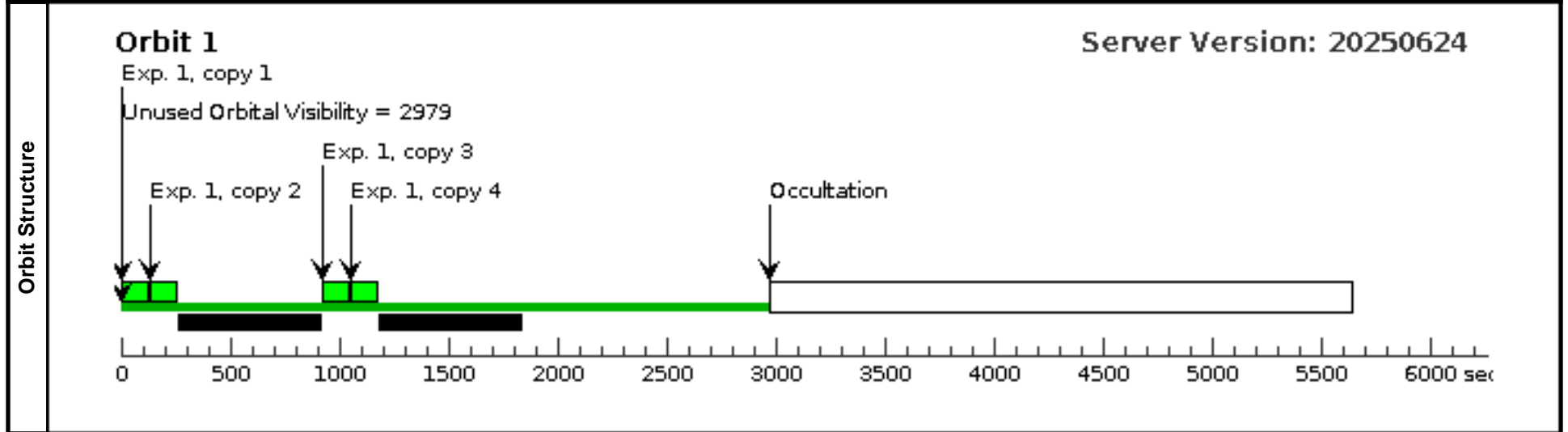
Proposal 17954 - Visit 05 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 05 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 17-DEC-2025:00:00:00 AND 22-DEC-2025:00:00:00

Diagnostics	(Visit 05) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



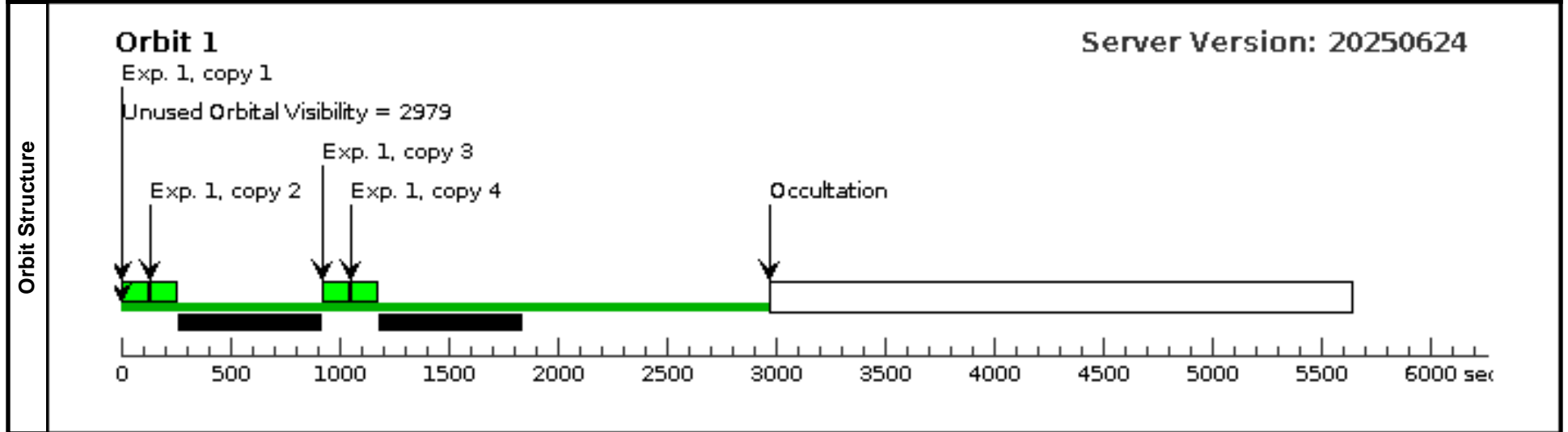
Proposal 17954 - Visit 06 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 06 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 27-DEC-2025:00:00:00 AND 01-JAN-2026:00:00:00

Diagnostics	(Visit 06) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



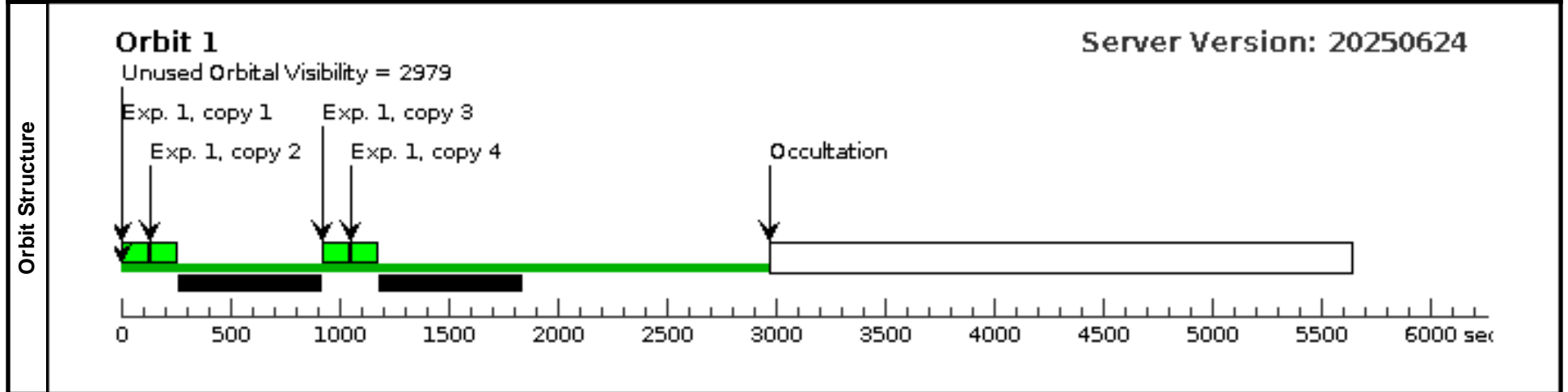
Proposal 17954 - Visit 07 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 07 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 06-JAN-2026:00:00:00 AND 11-JAN-2026:00:00:00
	(Visit 07) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT

Diagnostics	(Visit 07) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



Proposal 17954 - Visit 08 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:26 GMT 2025

Visit	Proposal 17954, Visit 08 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 16-JAN-2026:00:00:00 AND 21-JAN-2026:00:00:00									
	(Visit 08) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20250624 Exp. 1, copy 1 Unused Orbital Visibility = 2979 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Occultation									
	<p>The figure is a timeline plot for Orbit 1. The x-axis represents time in seconds, ranging from 0 to 6000 with major ticks every 500 seconds. A green horizontal bar at the bottom indicates the total orbital visibility, which ends at approximately 2979 seconds. Four exposure events are shown as green rectangles: 'Exp. 1, copy 1' (approx. 0-100s), 'Exp. 1, copy 2' (approx. 100-200s), 'Exp. 1, copy 3' (approx. 900-1000s), and 'Exp. 1, copy 4' (approx. 1000-1100s). Black bars below the green bar indicate periods of occultation. A long white bar starting at 3000 seconds and extending to approximately 5600 seconds represents the occultation period.</p>									

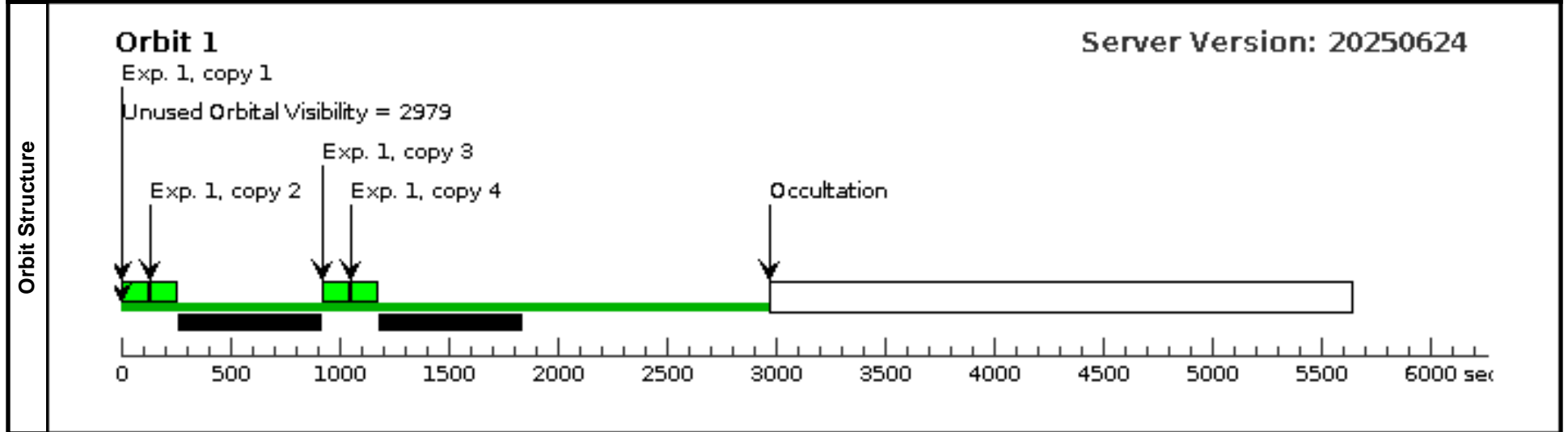
Proposal 17954 - Visit 09 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 09 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 26-JAN-2026:00:00:00 AND 31-JAN-2026:00:00:00

Diagnostics	(Visit 09) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	
									[==>(Copy 3)]	[1]
									[==>(Copy 4)]	



Proposal 17954 - Visit 10 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 10 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 05-FEB-2026:00:00:00 AND 10-FEB-2026:00:00:00									
	(Visit 10) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT									
Diagnostics										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20250624 Exp. 1, copy 1 Unused Orbital Visibility = 2979 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Occultation									
	<p>The figure is a timeline plot for Orbit 1. The x-axis represents time in seconds, ranging from 0 to 6000 with major ticks every 500 seconds. A green horizontal bar at the bottom indicates the total orbital visibility, which ends at approximately 2979 seconds. Four small green rectangular blocks represent exposure times: 'Exp. 1, copy 1' (approx. 0-100s), 'Exp. 1, copy 2' (approx. 100-200s), 'Exp. 1, copy 3' (approx. 900-1000s), and 'Exp. 1, copy 4' (approx. 1000-1100s). Black horizontal bars below the green bar indicate periods of occultation. A long white rectangular block starting at 3000 seconds and extending to approximately 5600 seconds represents the occultation period.</p>									

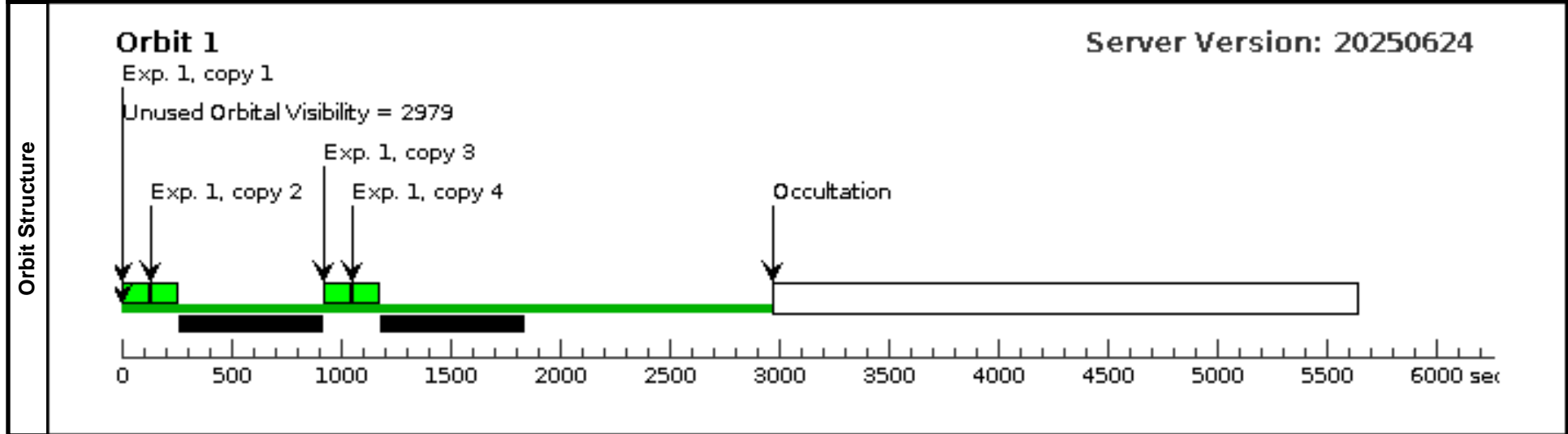
Proposal 17954 - Visit 11 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 11 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 15-FEB-2026:00:00:00 AND 20-FEB-2026:00:00:00

Diagnostics	(Visit 11) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



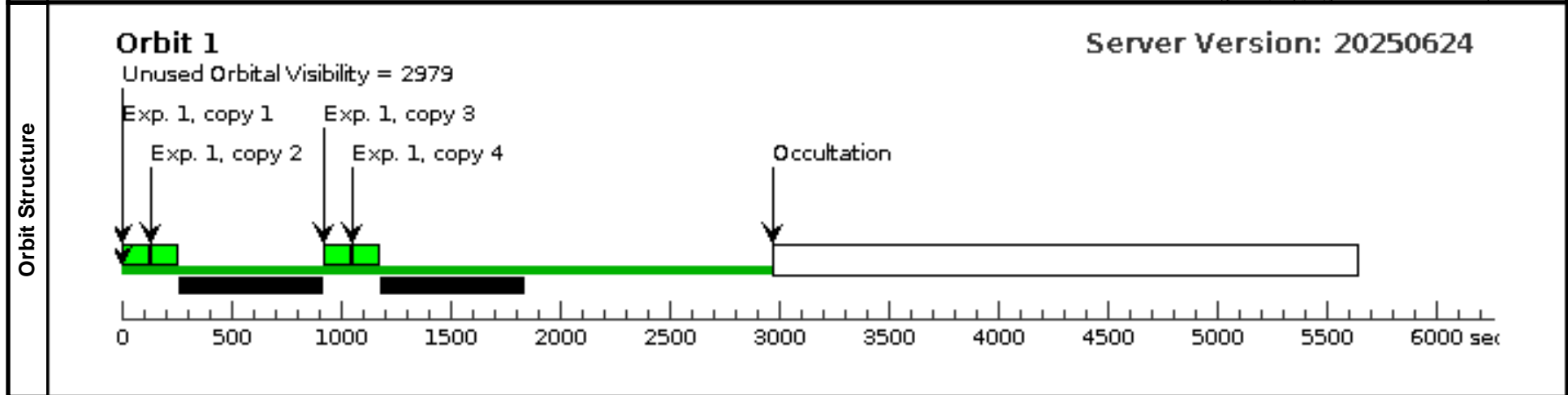
Proposal 17954 - Visit 12 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 12 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 25-FEB-2026:00:00:00 AND 02-MAR-2026:00:00:00

Diagnostics	(Visit 12) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



Proposal 17954 - Visit 13 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 13 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 07-MAR-2026:00:00:00 AND 12-MAR-2026:00:00:00									
	(Visit 13) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20250624</p> <p>Unused Orbital Visibility = 2979</p> <p>Exp. 1, copy 1 Exp. 1, copy 3 Exp. 1, copy 2 Exp. 1, copy 4</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec</p>									

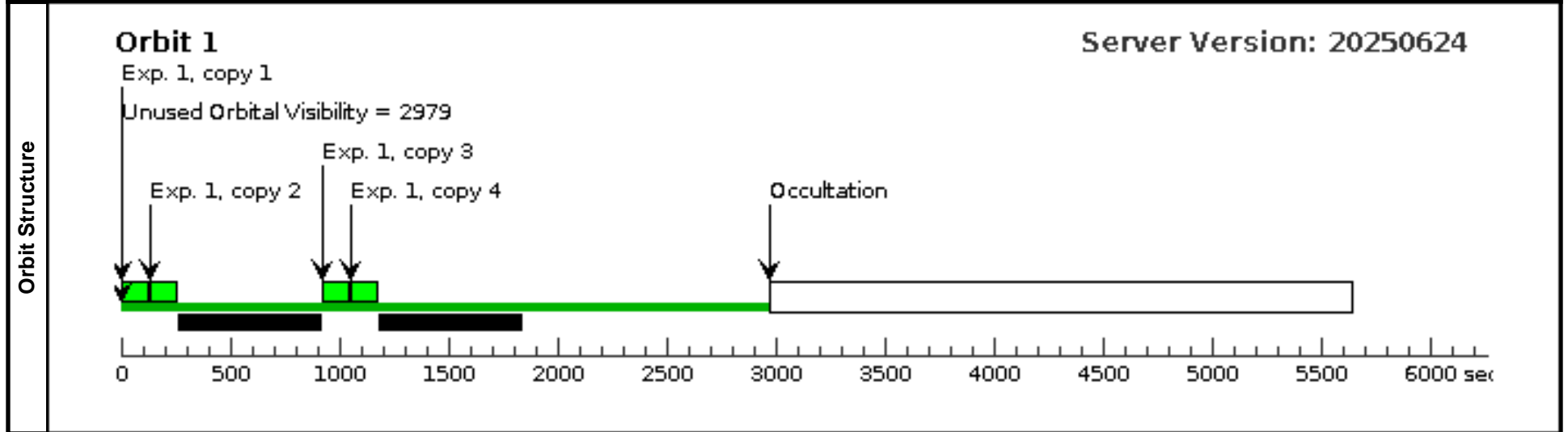
Proposal 17954 - Visit 14 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 14 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 17-MAR-2026:00:00:00 AND 22-MAR-2026:00:00:00
	(Visit 14) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT

Diagnostics	(Visit 14) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
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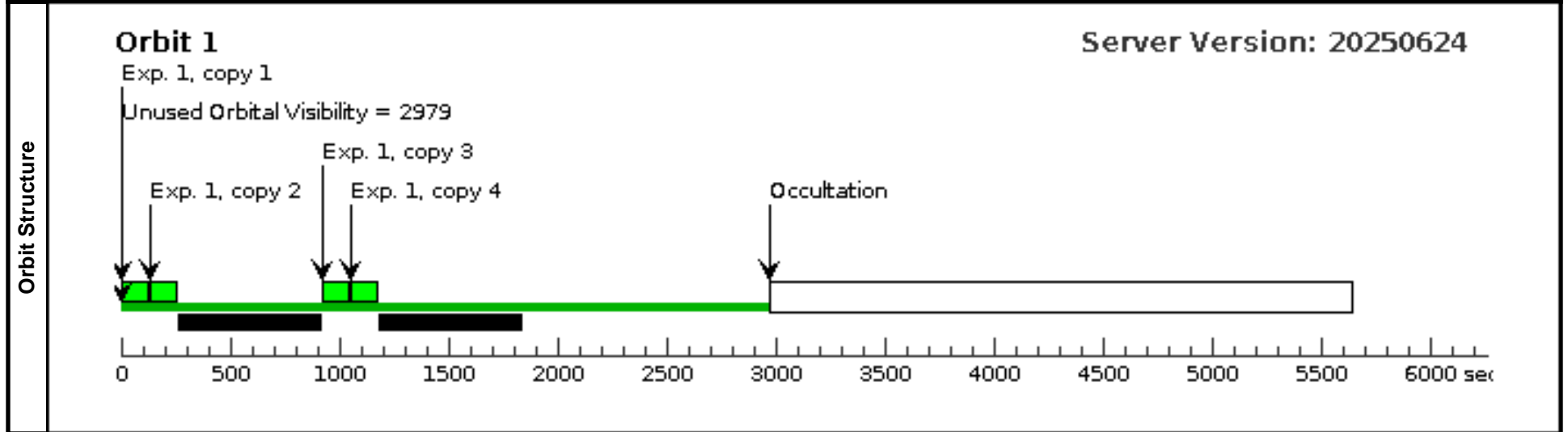
Proposal 17954 - Visit 15 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 15 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 27-MAR-2026:00:00:00 AND 01-APR-2026:00:00:00
	(Visit 15) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT

Diagnostics	(Visit 15) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



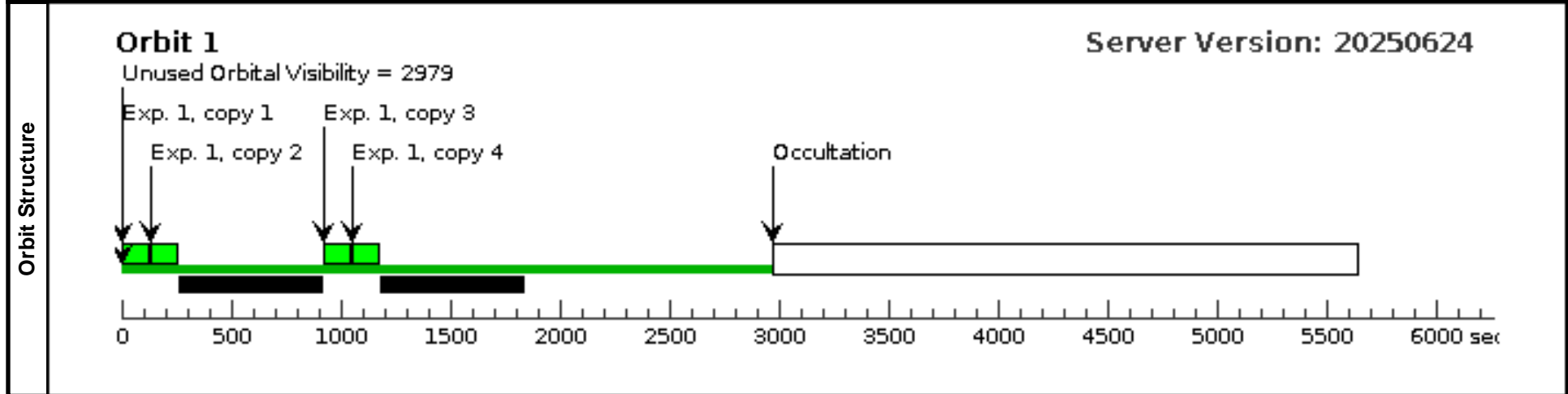
Proposal 17954 - Visit 16 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 16 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 06-APR-2026:00:00:00 AND 11-APR-2026:00:00:00
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Diagnostics	(Visit 16) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



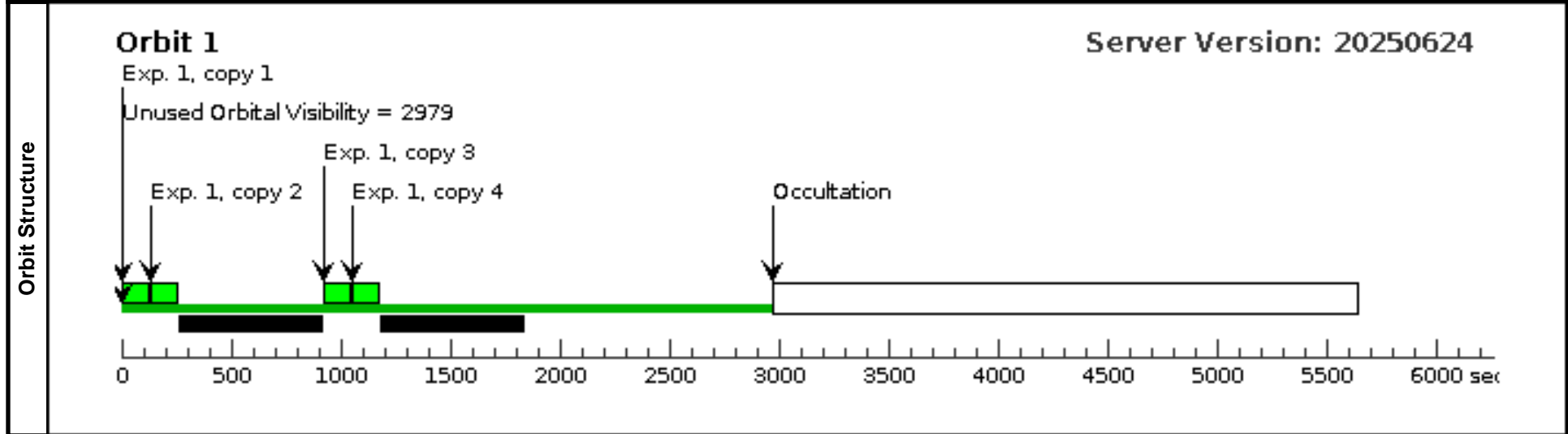
Proposal 17954 - Visit 17 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 17 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 16-APR-2026:00:00:00 AND 21-APR-2026:00:00:00

Diagnostics	(Visit 17) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[==>(Copy 2)]	
									[==>(Copy 3)]	
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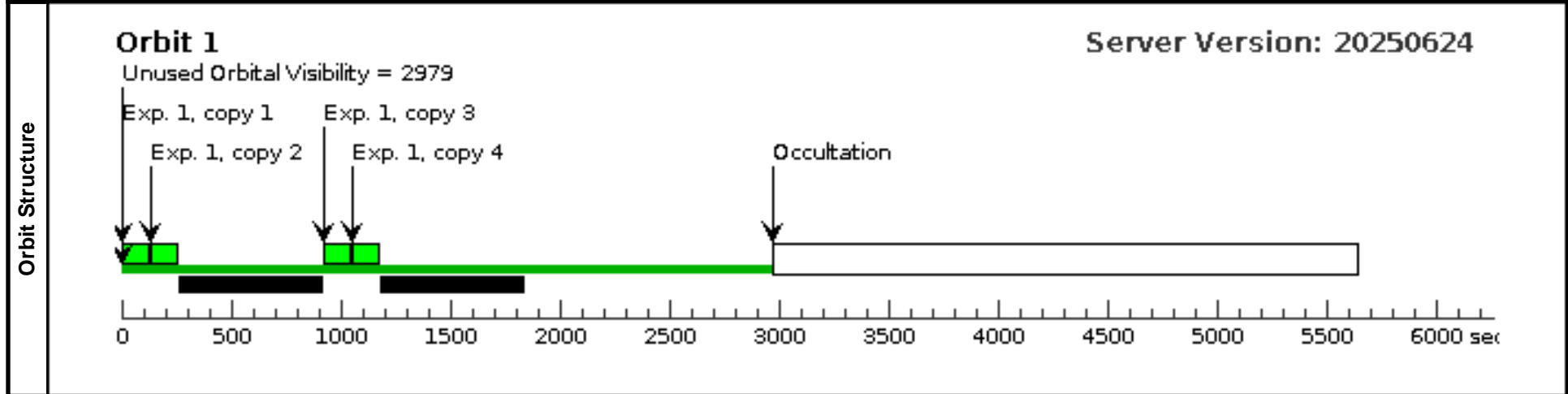
Proposal 17954 - Visit 18 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 18 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 26-APR-2026:00:00:00 AND 01-MAY-2026:00:00:00

Diagnostics	(Visit 18) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



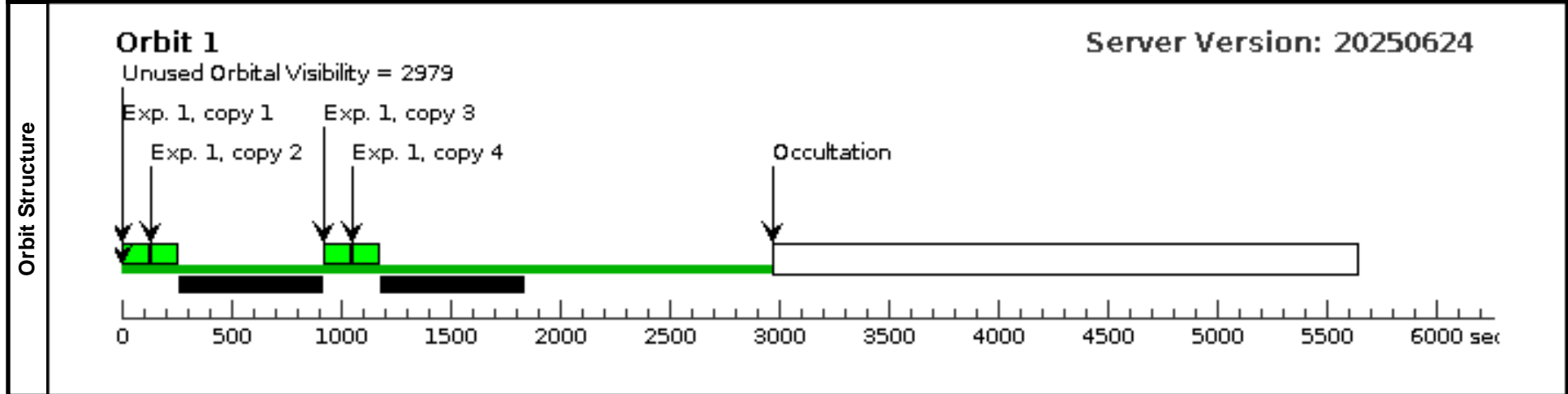
Proposal 17954 - Visit 19 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 19 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 06-MAY-2026:00:00:00 AND 11-MAY-2026:00:00:00

Diagnostics	(Visit 19) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
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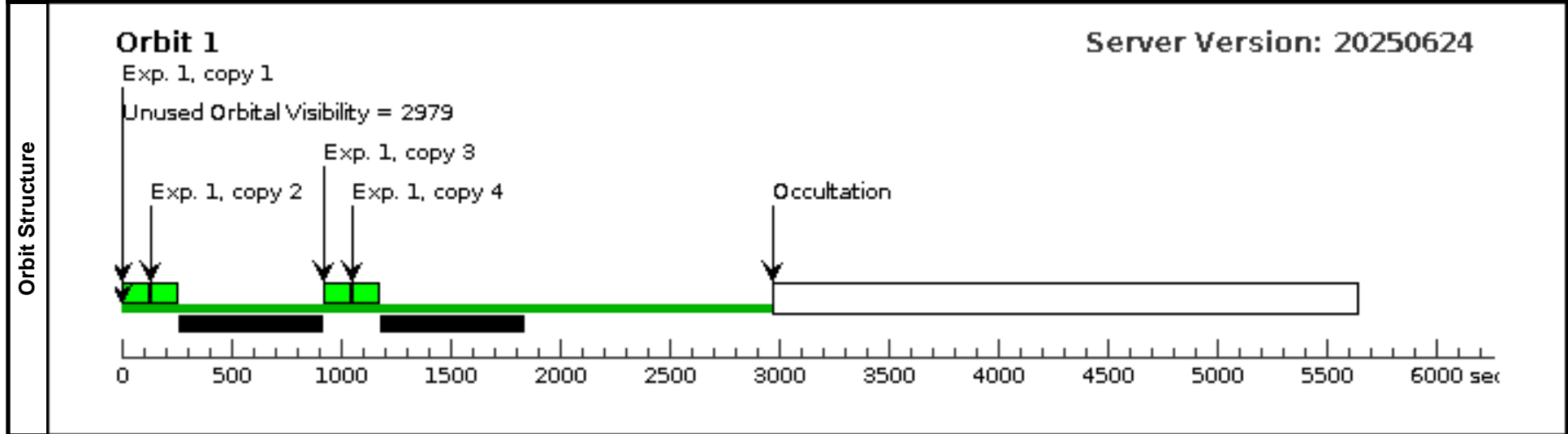
Proposal 17954 - Visit 20 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 20 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 16-MAY-2026:00:00:00 AND 21-MAY-2026:00:00:00

Diagnostics	(Visit 20) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



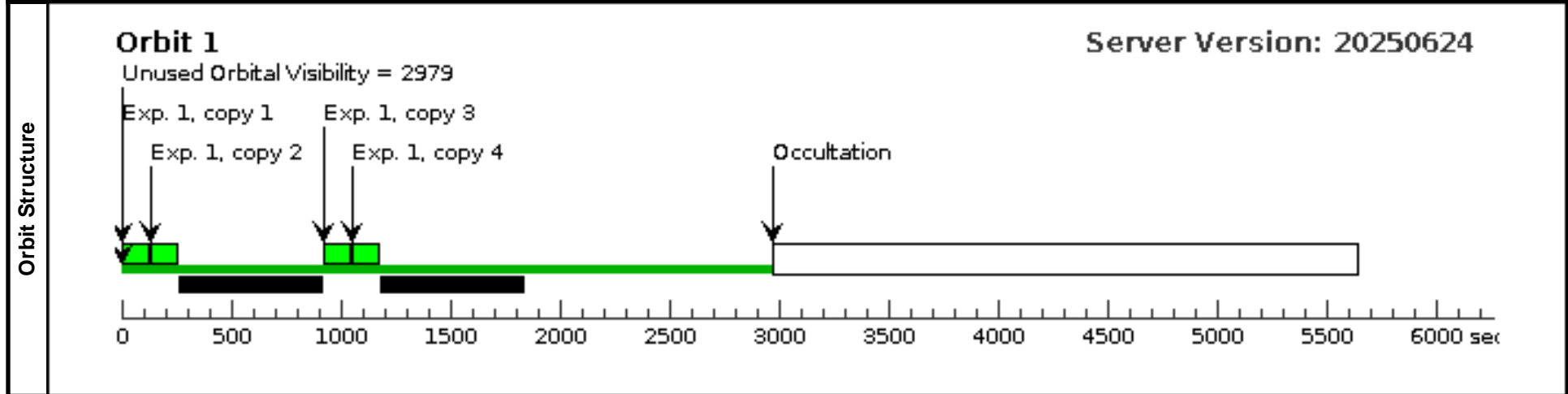
Proposal 17954 - Visit 21 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 21 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 26-MAY-2026:00:00:00 AND 31-MAY-2026:00:00:00

Diagnostics	(Visit 21) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



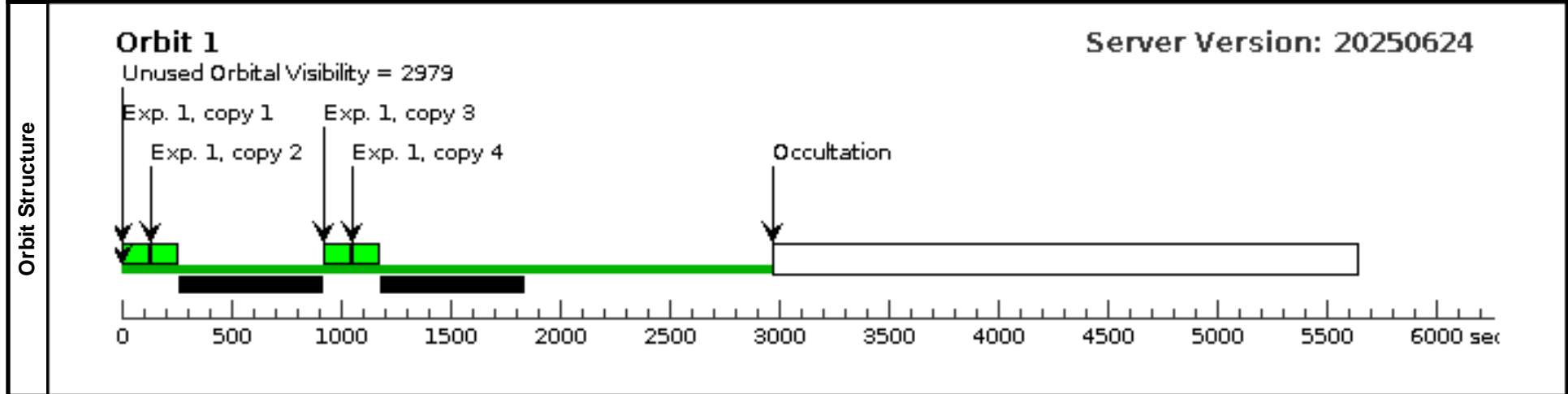
Proposal 17954 - Visit 22 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 22 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 05-JUN-2026:00:00:00 AND 10-JUN-2026:00:00:00

Diagnostics	(Visit 22) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



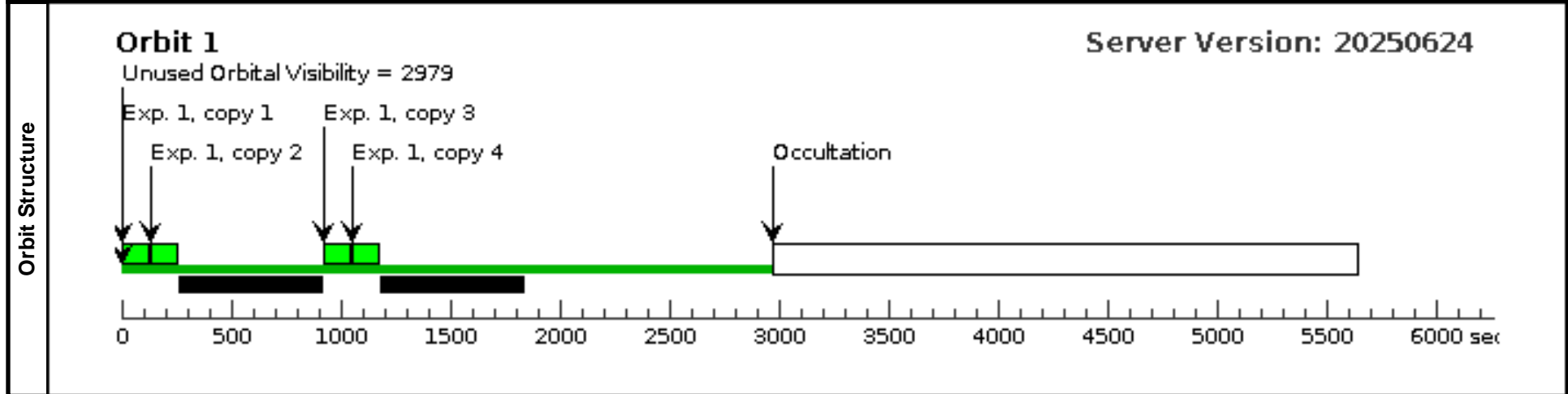
Proposal 17954 - Visit 23 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 23 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 15-JUN-2026:00:00:00 AND 20-JUN-2026:00:00:00

Diagnostics	(Visit 23) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



Proposal 17954 - Visit 24 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 24 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 25-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00									
	(Visit 24) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT									
Diagnostics										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20250624 Exp. 1, copy 1 Unused Orbital Visibility = 2979 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Occultation									
	<p>The figure is a timeline plot for Orbit 1. The x-axis represents time in seconds, ranging from 0 to 6000 with major ticks every 500 seconds. A green horizontal bar at the bottom indicates the total orbital visibility, which ends at approximately 2979 seconds. Four small green rectangular blocks represent exposure times: 'Exp. 1, copy 1' (approx. 0-100s), 'Exp. 1, copy 2' (approx. 100-200s), 'Exp. 1, copy 3' (approx. 900-1000s), and 'Exp. 1, copy 4' (approx. 1000-1100s). Black horizontal bars below the green bar indicate periods of occultation. A long white rectangular block starting at 3000 seconds and extending to approximately 5600 seconds represents the occultation period.</p>									

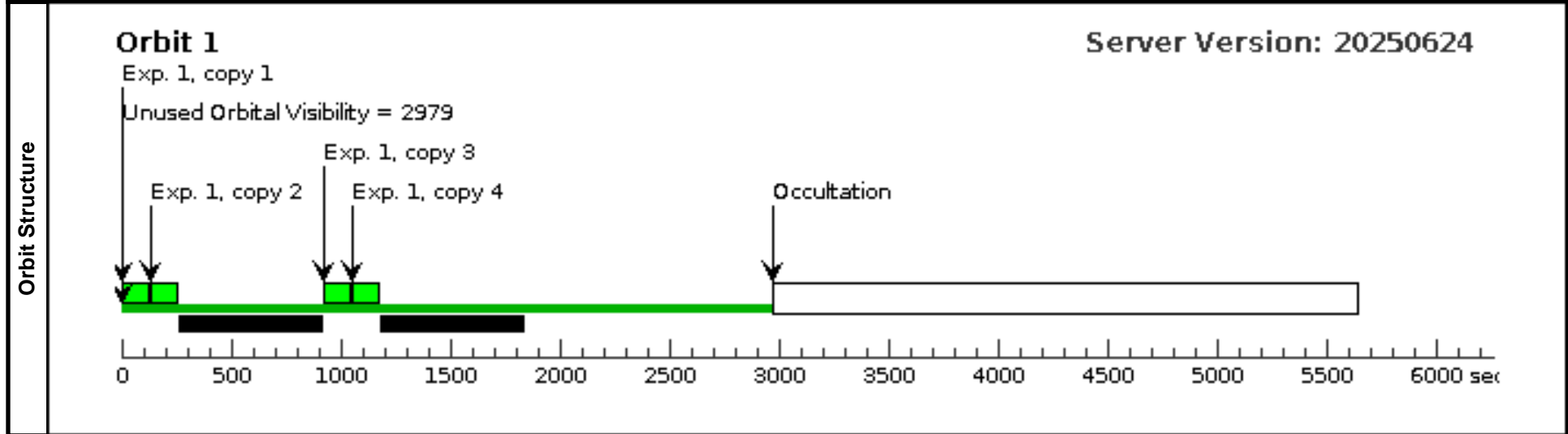
Proposal 17954 - Visit 25 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 25 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 05-JUL-2026:00:00:00 AND 10-JUL-2026:00:00:00

Diagnostics	(Visit 25) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



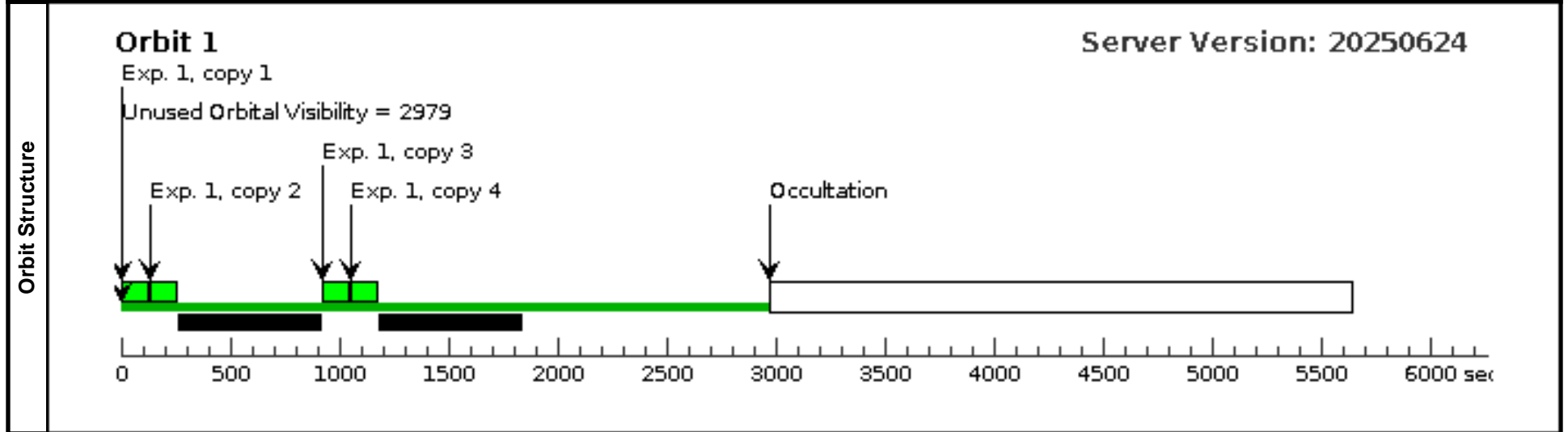
Proposal 17954 - Visit 26 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 26 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 15-JUL-2026:00:00:00 AND 20-JUL-2026:00:00:00

Diagnostics	(Visit 26) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



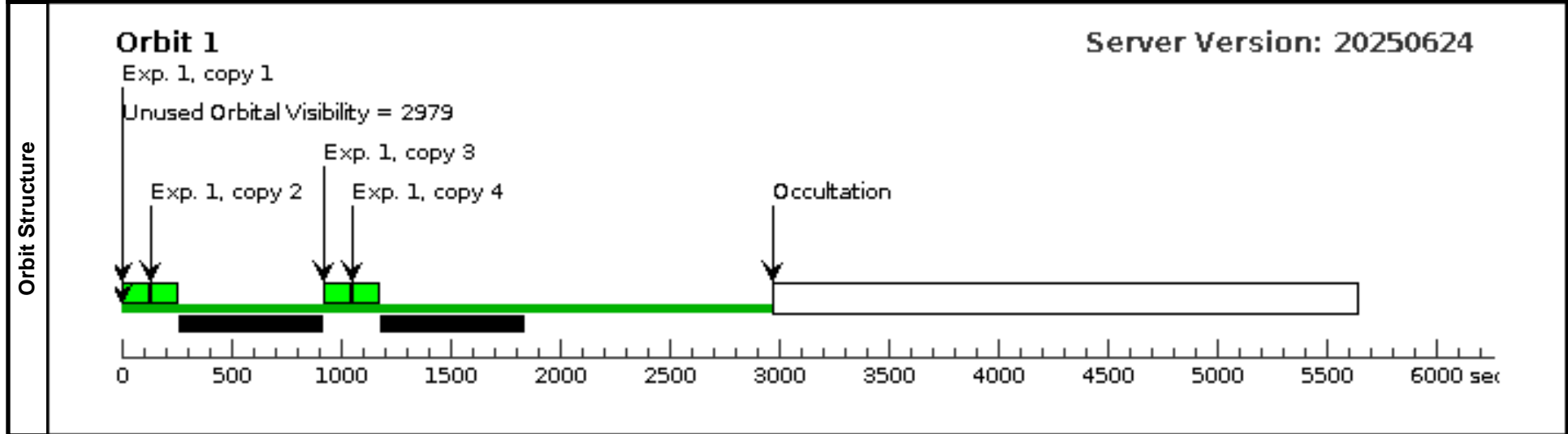
Proposal 17954 - Visit 27 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 27 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 25-JUL-2026:00:00:00 AND 30-JUL-2026:00:00:00

Diagnostics	(Visit 27) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



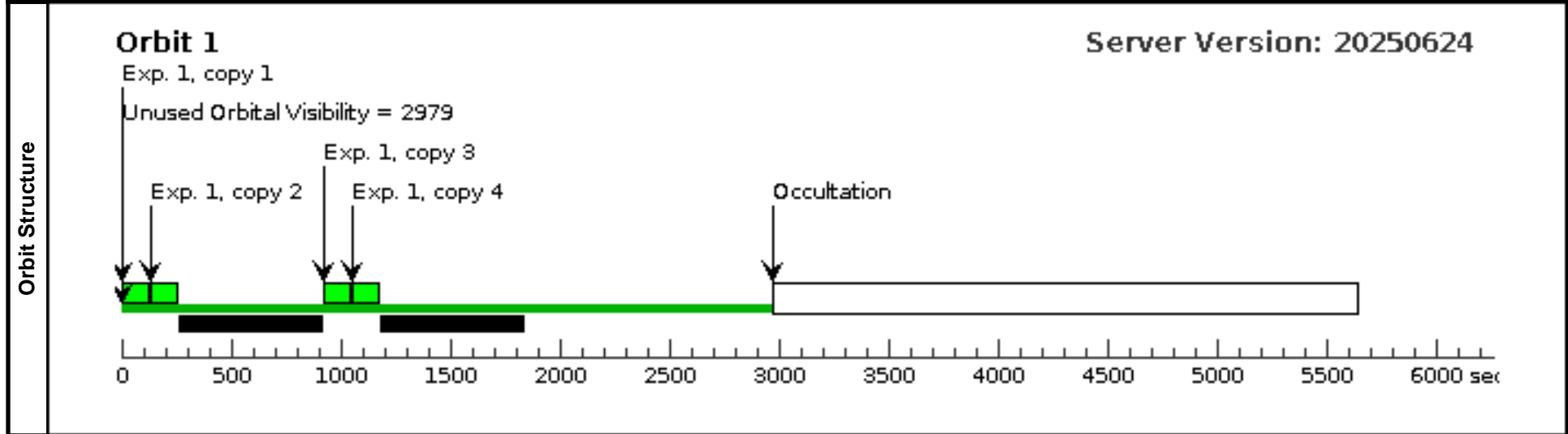
Proposal 17954 - Visit 28 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 28 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 04-AUG-2026:00:00:00 AND 09-AUG-2026:00:00:00
	(Visit 28) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT

Diagnostics	(Visit 28) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
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									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



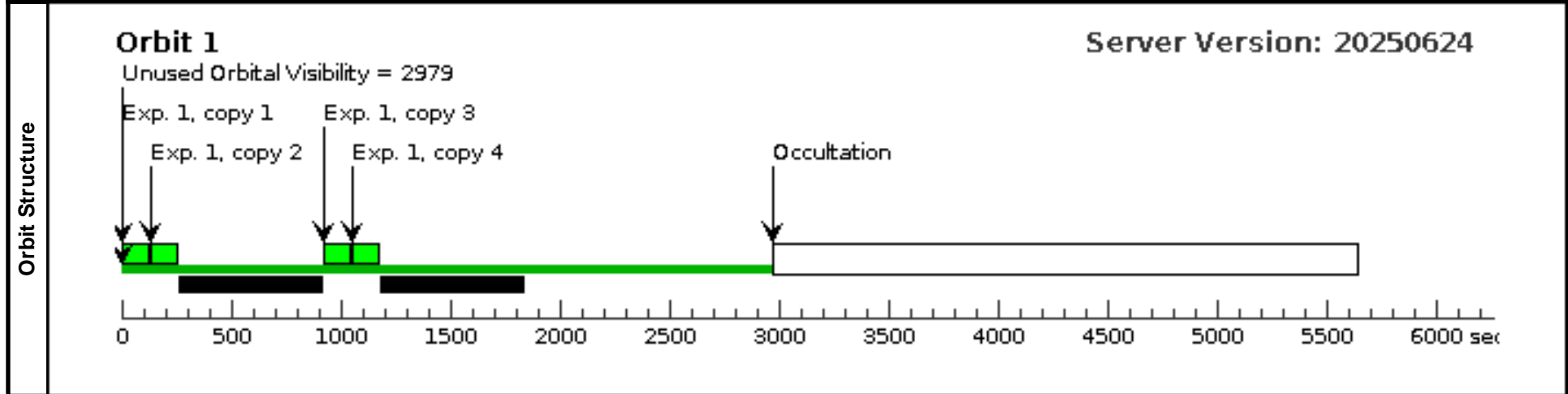
Proposal 17954 - Visit 29 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 29 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 14-AUG-2026:00:00:00 AND 19-AUG-2026:00:00:00
	(Visit 29) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT

Diagnostics	(Visit 29) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
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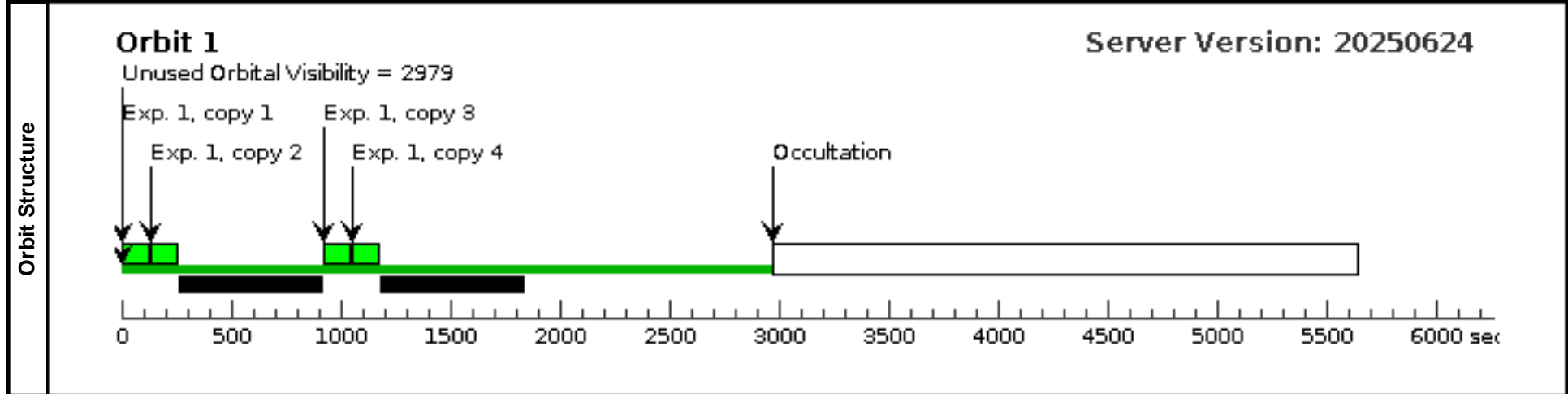
Proposal 17954 - Visit 30 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 30 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 24-AUG-2026:00:00:00 AND 29-AUG-2026:00:00:00

Diagnostics	(Visit 30) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



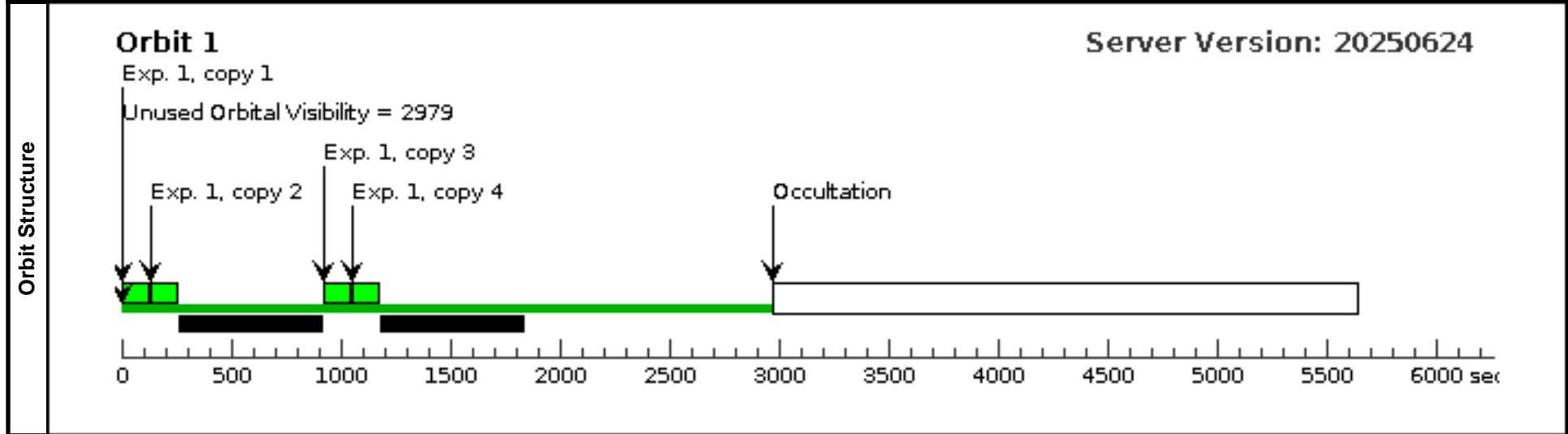
Proposal 17954 - Visit 31 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 31 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 03-SEP-2026:00:00:00 AND 08-SEP-2026:00:00:00

Diagnostics	(Visit 31) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



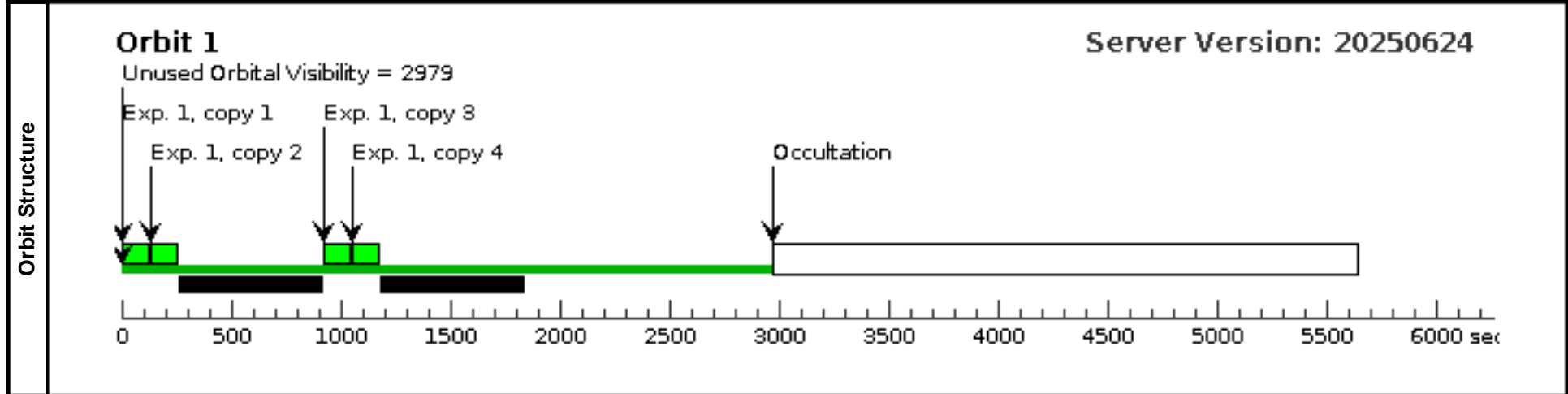
Proposal 17954 - Visit 32 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 32 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 13-SEP-2026:00:00:00 AND 18-SEP-2026:00:00:00

Diagnostics	(Visit 32) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



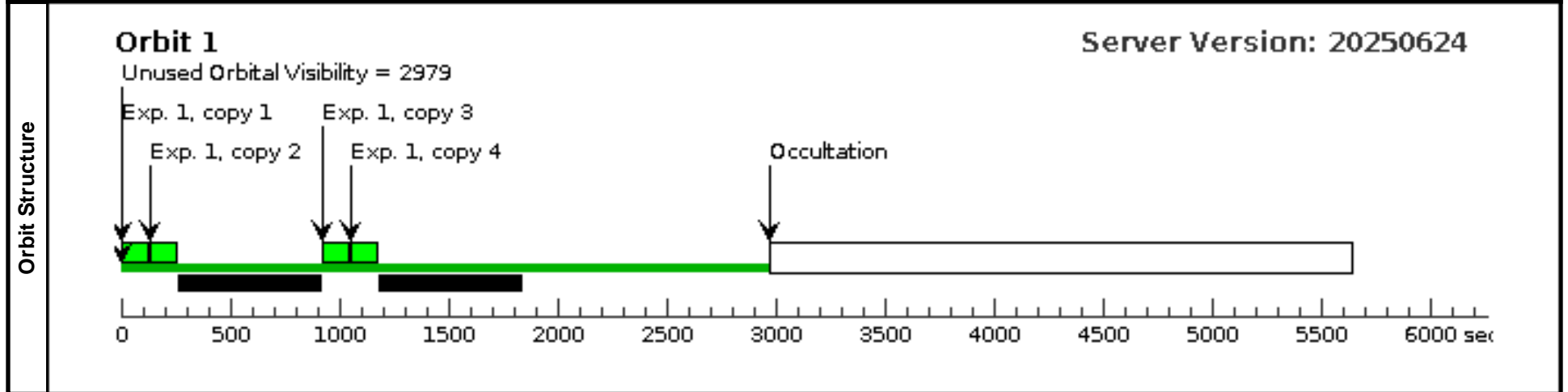
Proposal 17954 - Visit 33 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 33 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 23-SEP-2026:00:00:00 AND 28-SEP-2026:00:00:00

Diagnostics	(Visit 33) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
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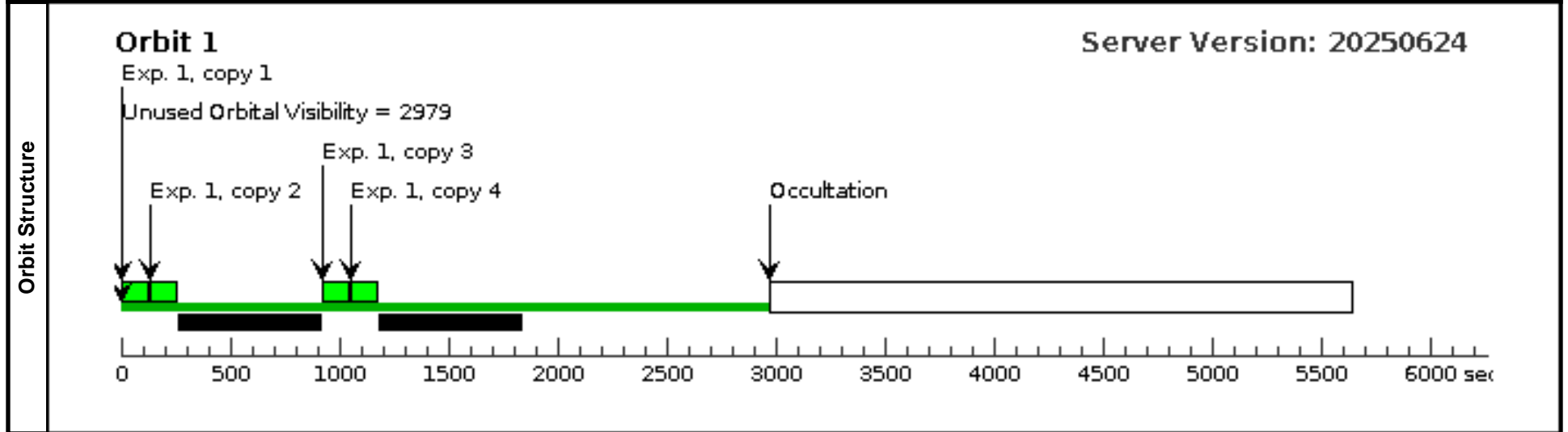
Proposal 17954 - Visit 34 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 34 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 03-OCT-2026:00:00:00 AND 08-OCT-2026:00:00:00
	(Visit 34) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT

Diagnostics	(Visit 34) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	



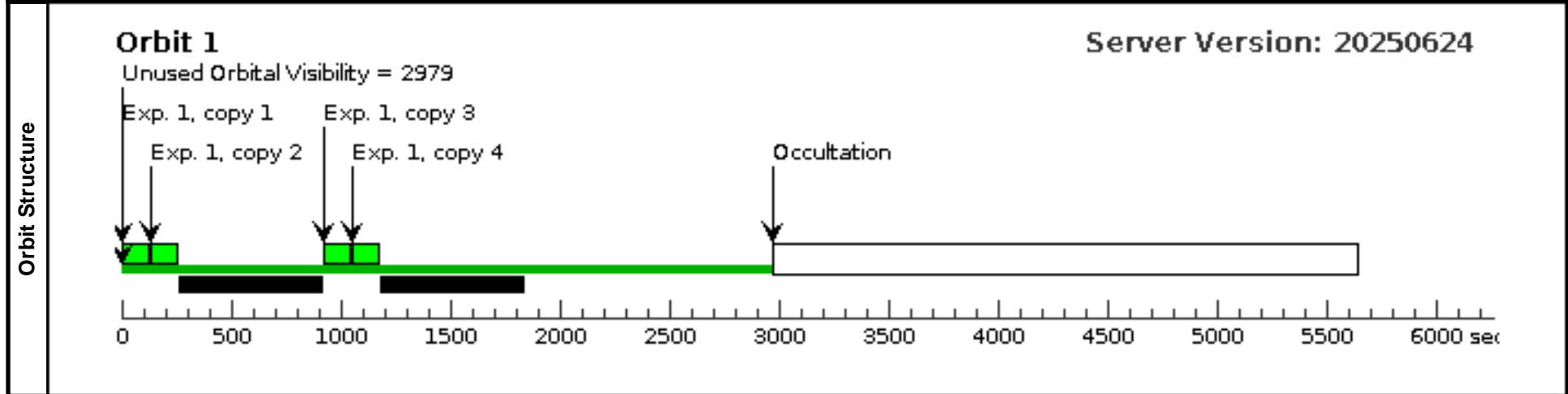
Proposal 17954 - Visit 35 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 35 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 13-OCT-2026:00:00:00 AND 18-OCT-2026:00:00:00

Diagnostics	(Visit 35) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	



Proposal 17954 - Visit 36 - WFC3 UVIS Traps with Charge Injection

Wed Jul 23 20:00:27 GMT 2025

Visit	Proposal 17954, Visit 36 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 23-OCT-2026:00:00:00 AND 28-OCT-2026:00:00:00

Diagnostics	(Visit 36) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	WFC3/UVIS, ACCUM, UVIS	DEF	INJECT=LINE25			0 Secs X 4 (0 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
									[=>(Copy 4)]	

