



17957 - WFC3 IR Linearity Monitor

Cycle: 33, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Joel David Green (PI) (Contact)	Space Telescope Science Institute
Varun Bajaj (CoI) (Contact)	Space Telescope Science Institute
Ms. Jennifer Mack (CoI) (Contact)	Space Telescope Science Institute
Ky Huynh (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	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:15.0	yes
02	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:16.0	yes
03	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:16.0	yes
04	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:16.0	yes
05	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:17.0	yes
06	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:17.0	yes
07	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:18.0	yes

Proposal 17957 (STScI Edit Number: 2, Created: Tuesday, November 25, 2025, 3:00:22PM 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>
08	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:18.0	yes
09	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:18.0	yes
10	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:19.0	yes
11	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:19.0	yes
12	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:19.0	yes
13	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:20.0	yes
14	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:20.0	yes
15	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:20.0	yes
16	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:21.0	yes
17	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:21.0	yes
18	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:21.0	yes
19	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:22.0	yes
20	DARK TUNGSTEN	WFC3/IR	1	25-Nov-2025 15:00:22.0	yes

20 Total Orbits Used

ABSTRACT

The WFC3/IR detector exhibits a non-linear response to incident flux. The data reduction pipeline provides a correction for the non-linearity, which depends on accurate characterization of the response of the detector. To monitor the non-linearity of the WFC3/IR detector, we use a dark

Proposal 17957 (STScI Edit Number: 2, Created: Tuesday, November 25, 2025, 3:00:22PM Eastern Standard Time) - Overview

observation followed by two internal flats using the Tungsten lamp at different sampling rates, and a trailing dark. Any changes measured in the non-linearity will be updated in the calibration reference file, crucial to providing a correction for accurate photometry. This program is a continuation of the cycle 32 (program 17678) linearity calibration program, but has significant changes in Cycle 33 (see proposal description).

OBSERVING DESCRIPTION

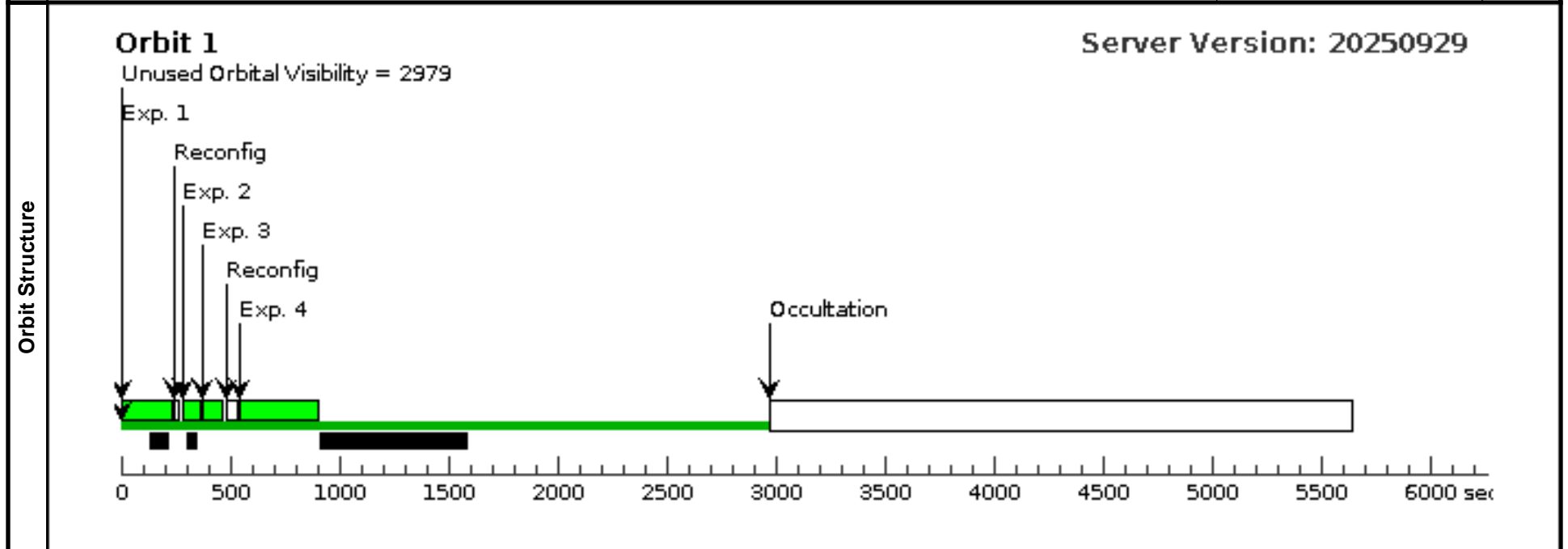
Prior monitoring visits consisted of a dark observation followed by two internal flats using the Tungsten lamp through F126N (half SPARS10, half SPARS50) and F127M (half SPARS25, half SPARS10) for a total of 10 orbits. The narrow band flat is used to ensure that the lamp is warm and stable in preparation for the F127M exposure, but not so bright to cause persistence. A trailing dark is obtained to measure the persistence decay rate. This cycle (33), F127M flats will be taken in with SPARS5 and STEP25 to better sample the low fluence end of the linearity curve. Ten orbits in each SAMP-SEQ are needed to reduce systematic uncertainties.

Proposal 17957 - SPARS5a (01) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:22 GMT 2025

Visit	Proposal 17957, SPARS5a (01), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
	4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]

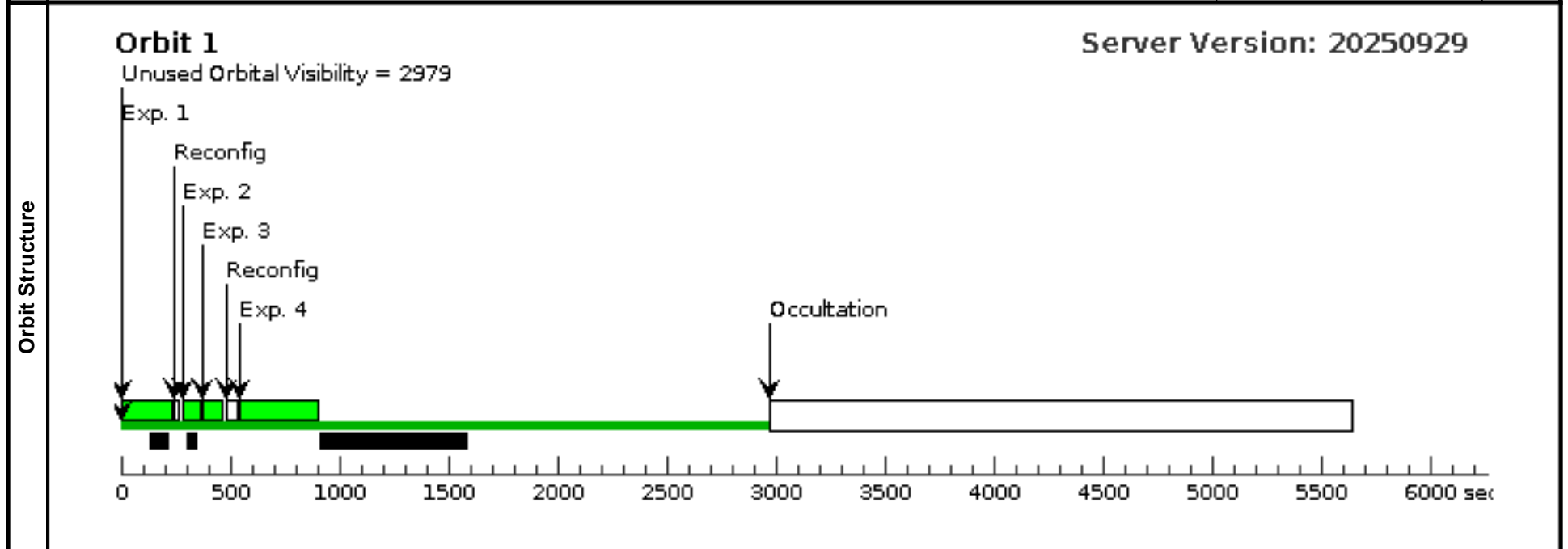


Proposal 17957 - SPARS5b (02) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5b (02), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
	4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]

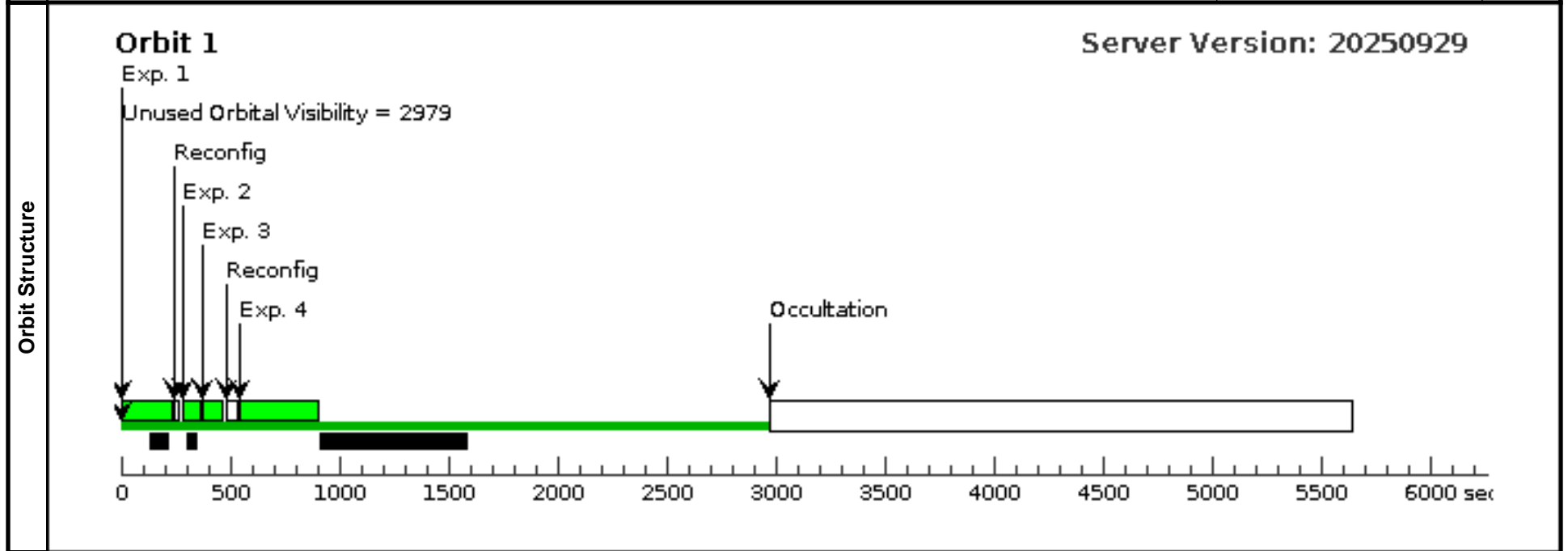


Proposal 17957 - SPARS5c (03) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5c (03), completed									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]	

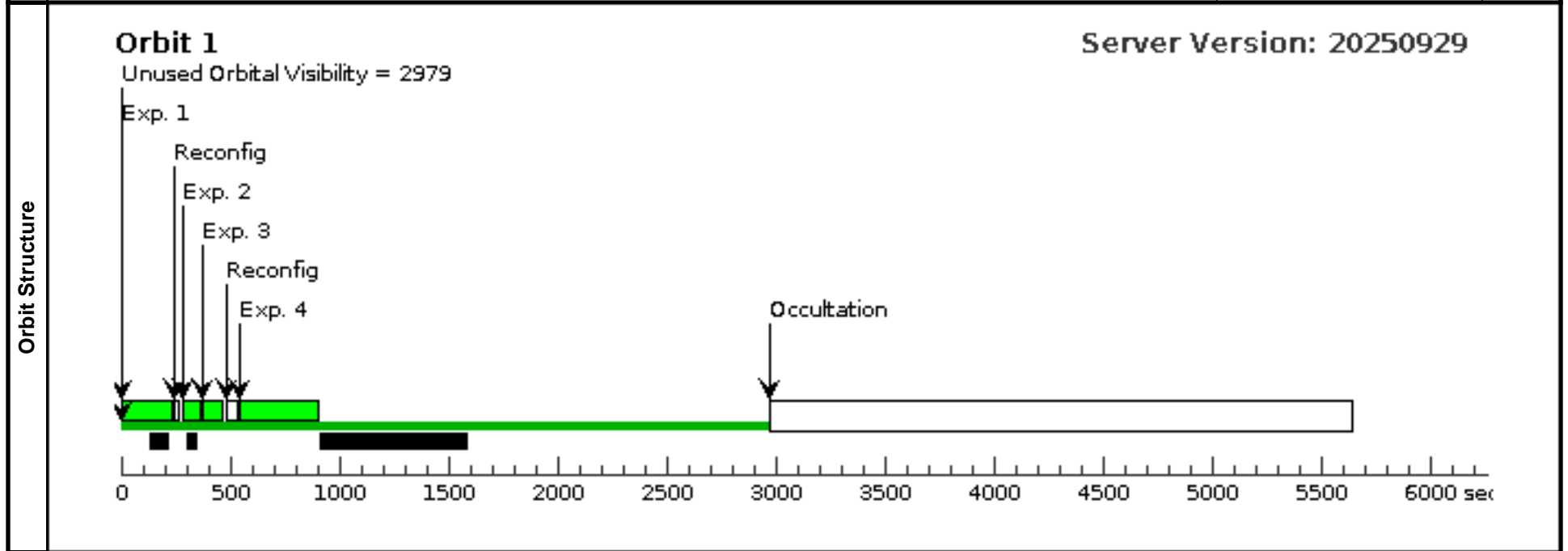


Proposal 17957 - SPARS5d (04) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5d (04), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
	4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]

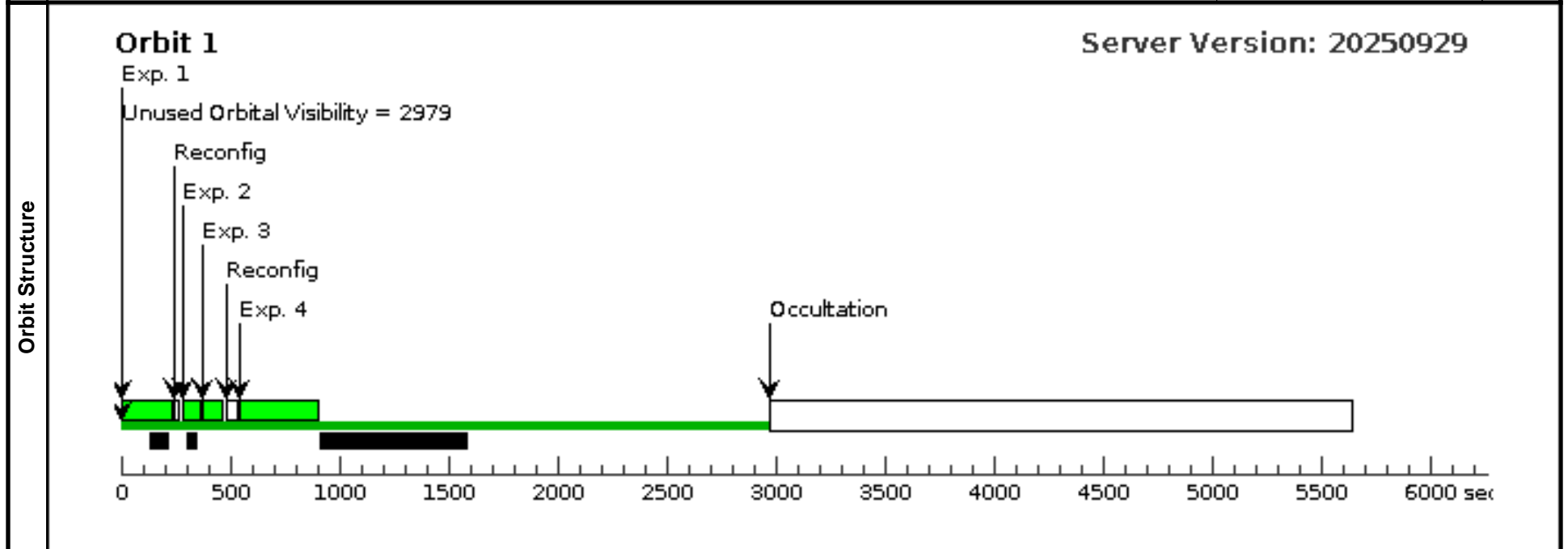


Proposal 17957 - SPARS5e (05) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5e (05), completed									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]	

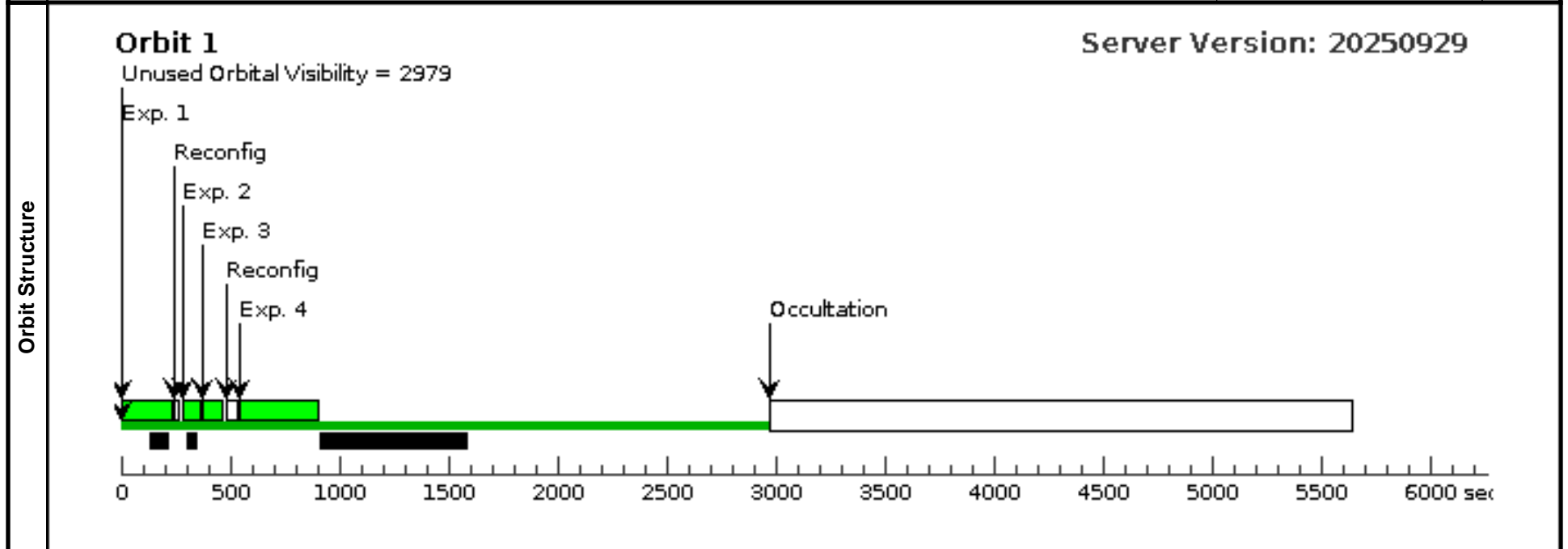


Proposal 17957 - SPARS5f (06) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5f (06), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
	4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]

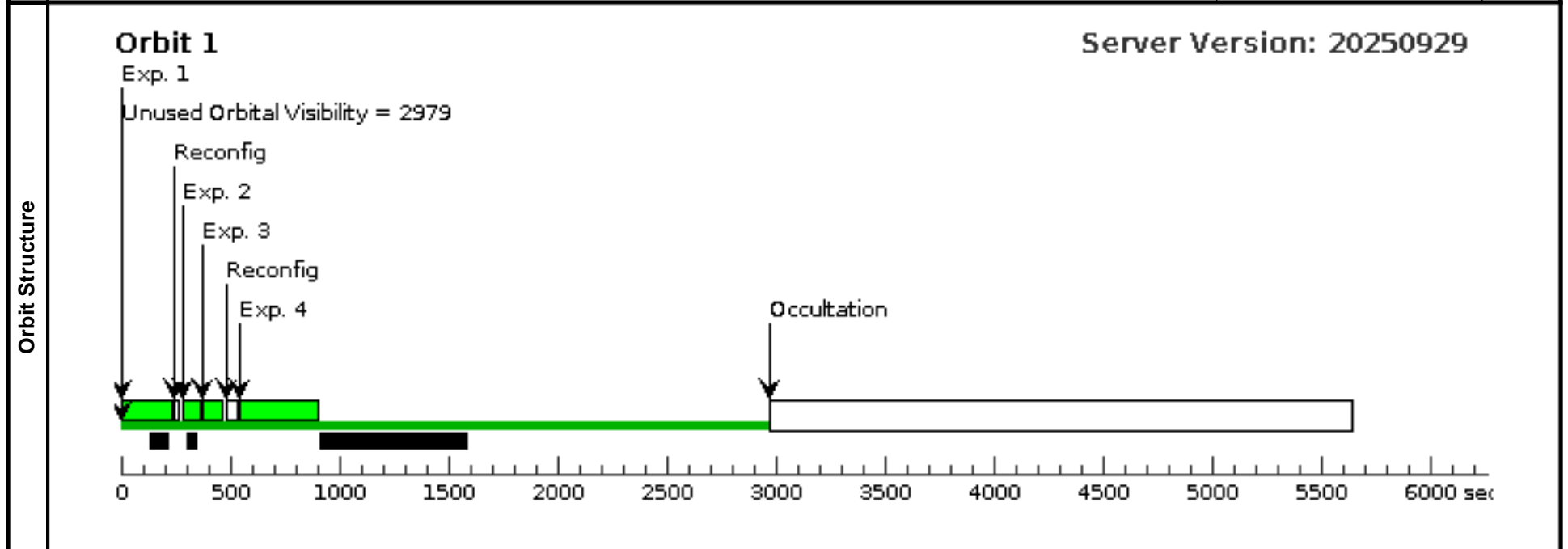


Proposal 17957 - SPARS5g (07) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5g (07), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00							
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]	

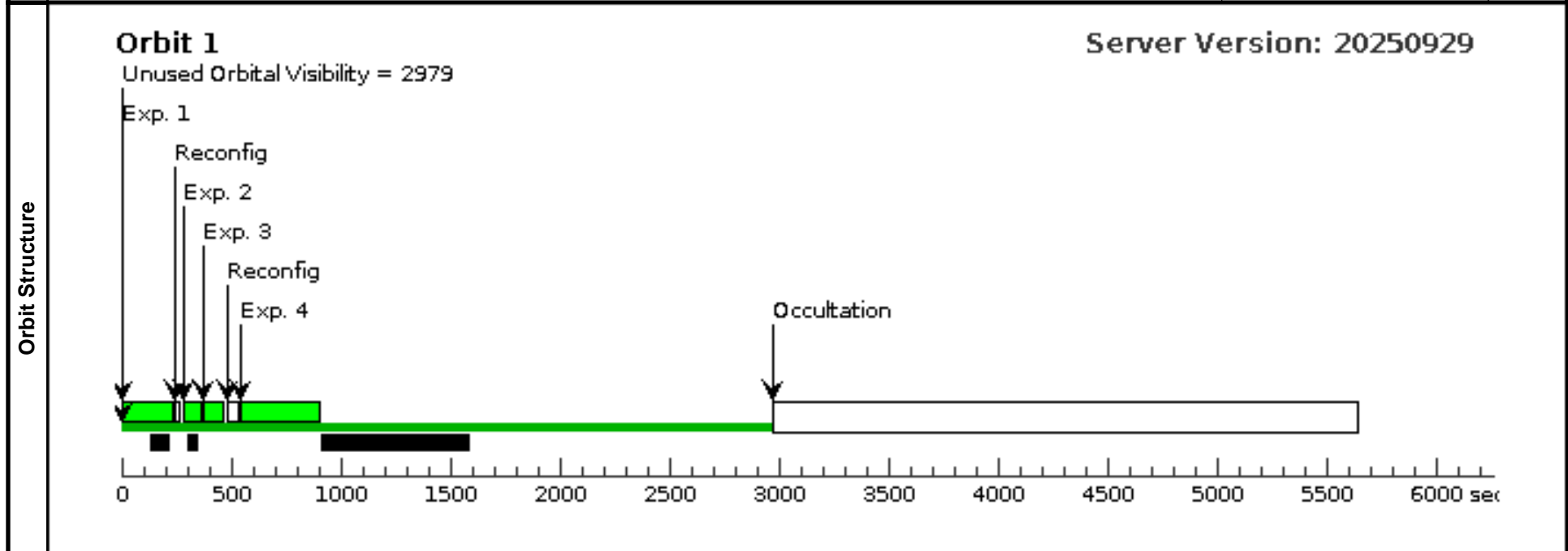


Proposal 17957 - SPARS5h (08) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5h (08), implementation								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]	

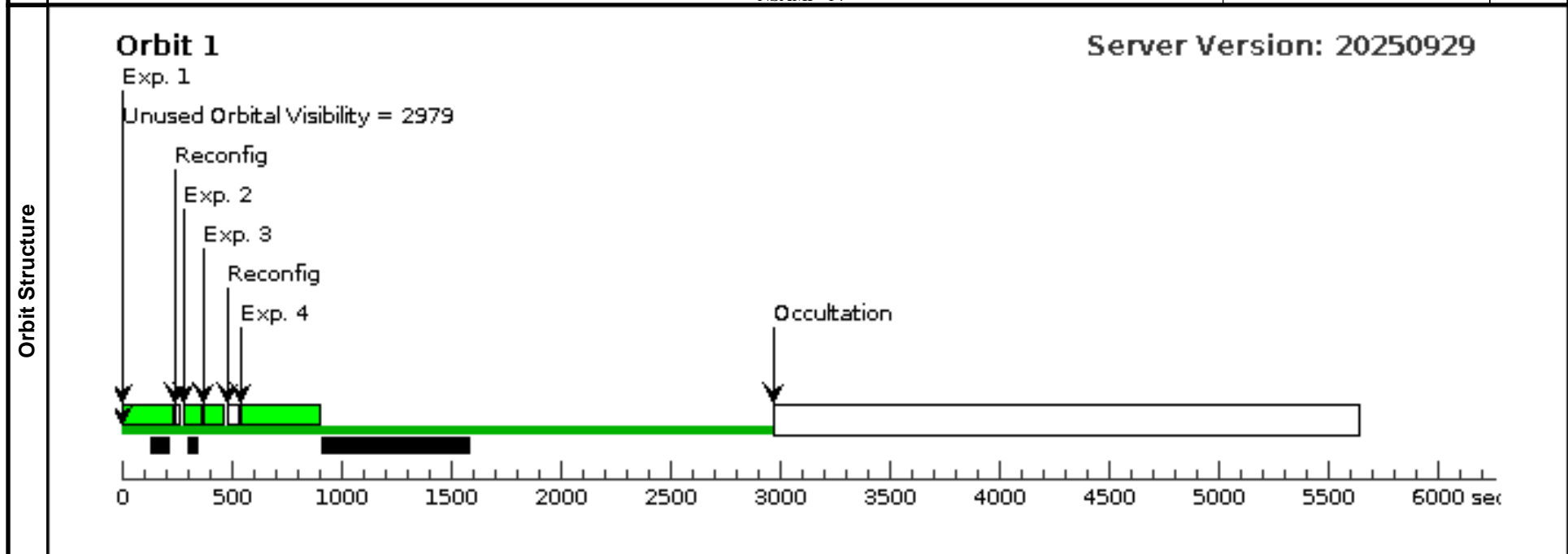


Proposal 17957 - SPARS5i (09) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5i (09), implementation								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]	

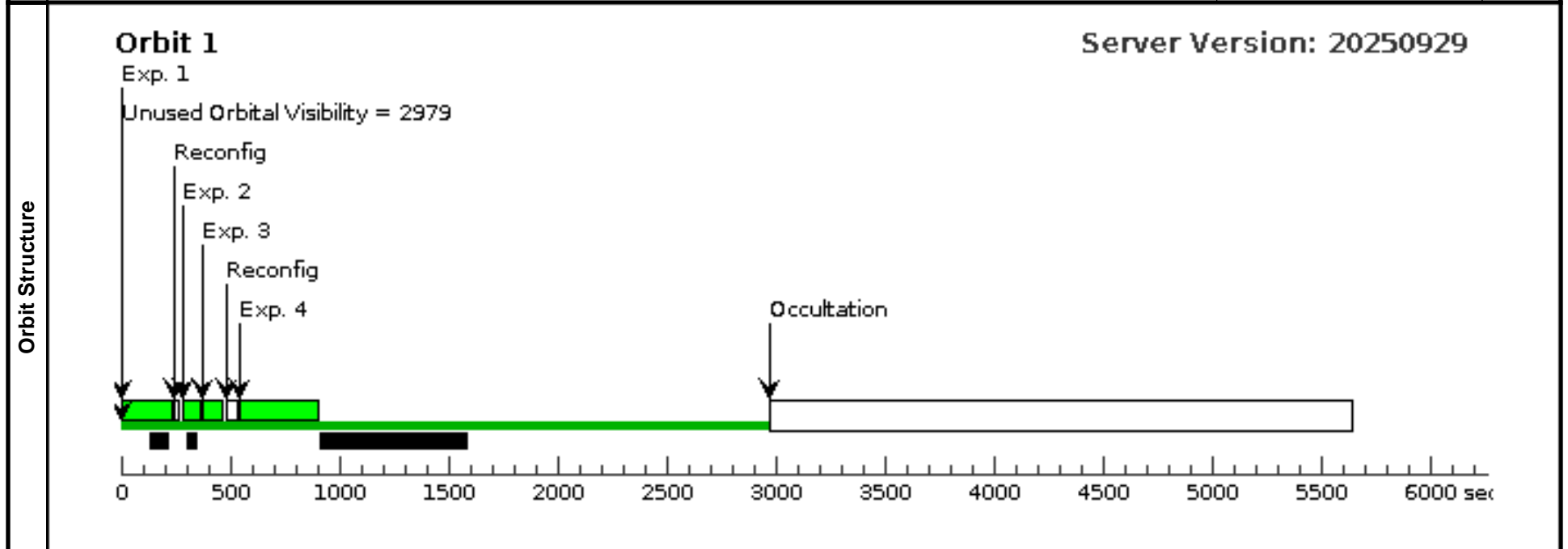


Proposal 17957 - SPARS5j (10) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, SPARS5j (10), implementation									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=SPARS 5; NSAMP=15			72.943085 Secs (72.943 Secs) [==>]	[1]
	4	Persistence Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=14			327.938986 Secs (327.939 Secs) [==>]	[1]

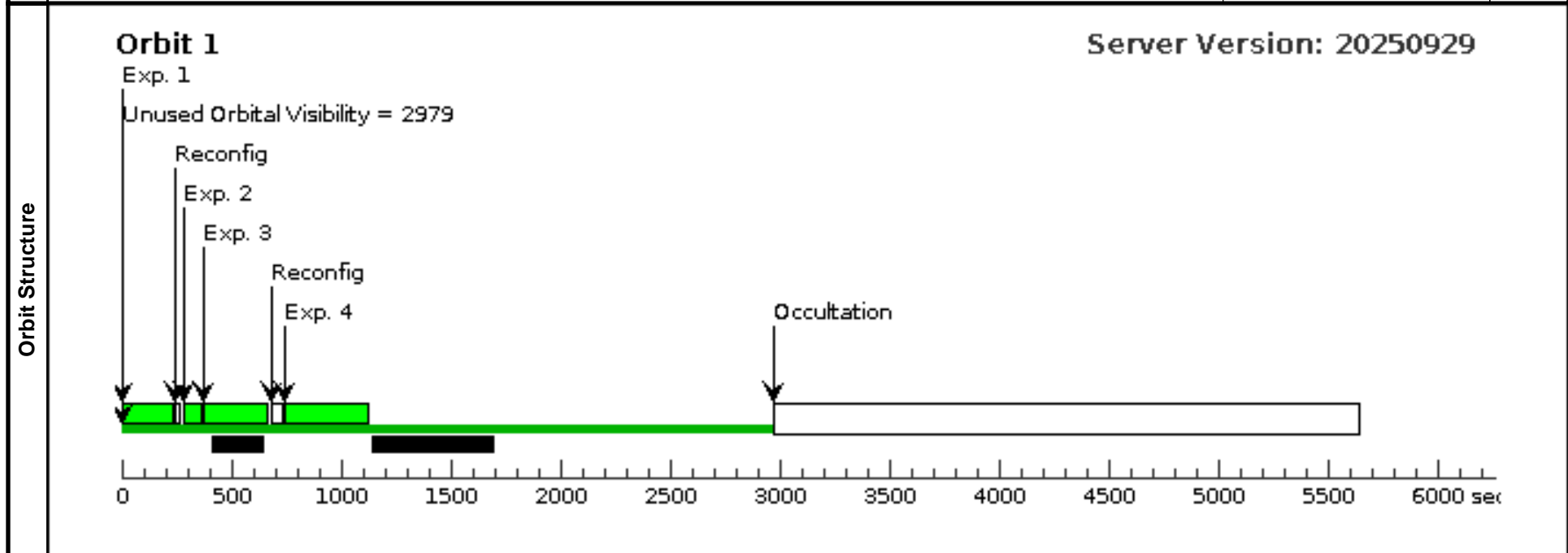


Proposal 17957 - STEP25a (11) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25a (11), completed									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]

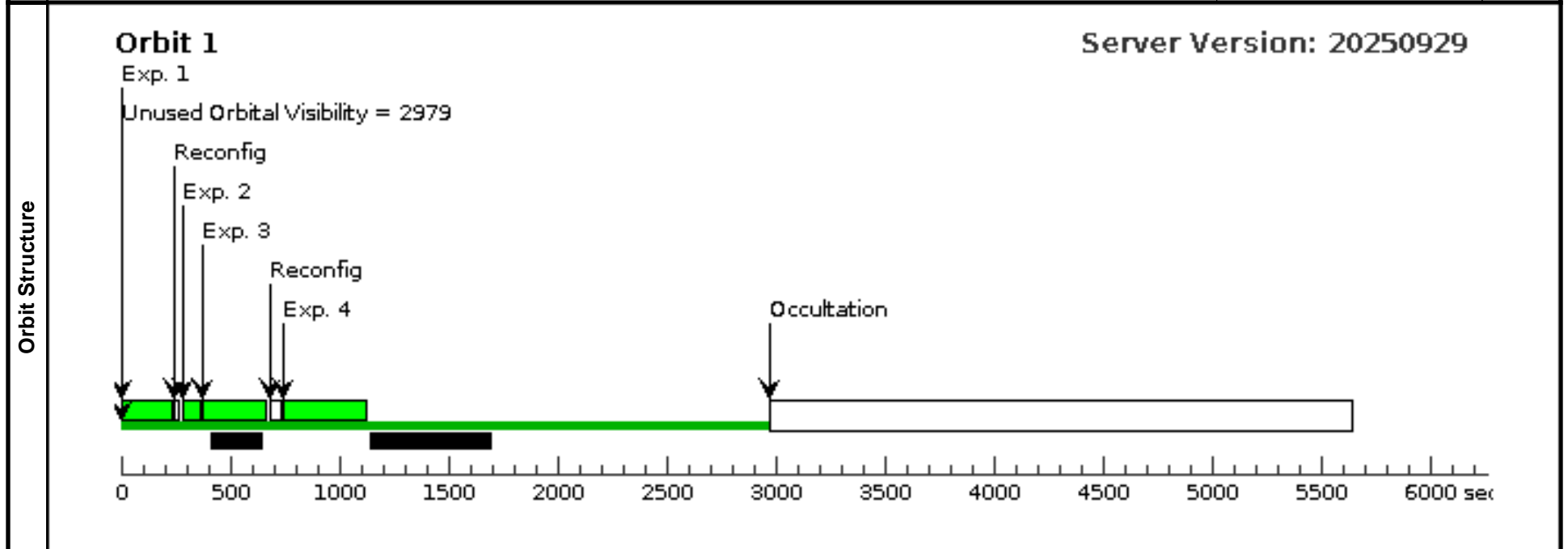


Proposal 17957 - STEP25b (12) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25b (12), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]

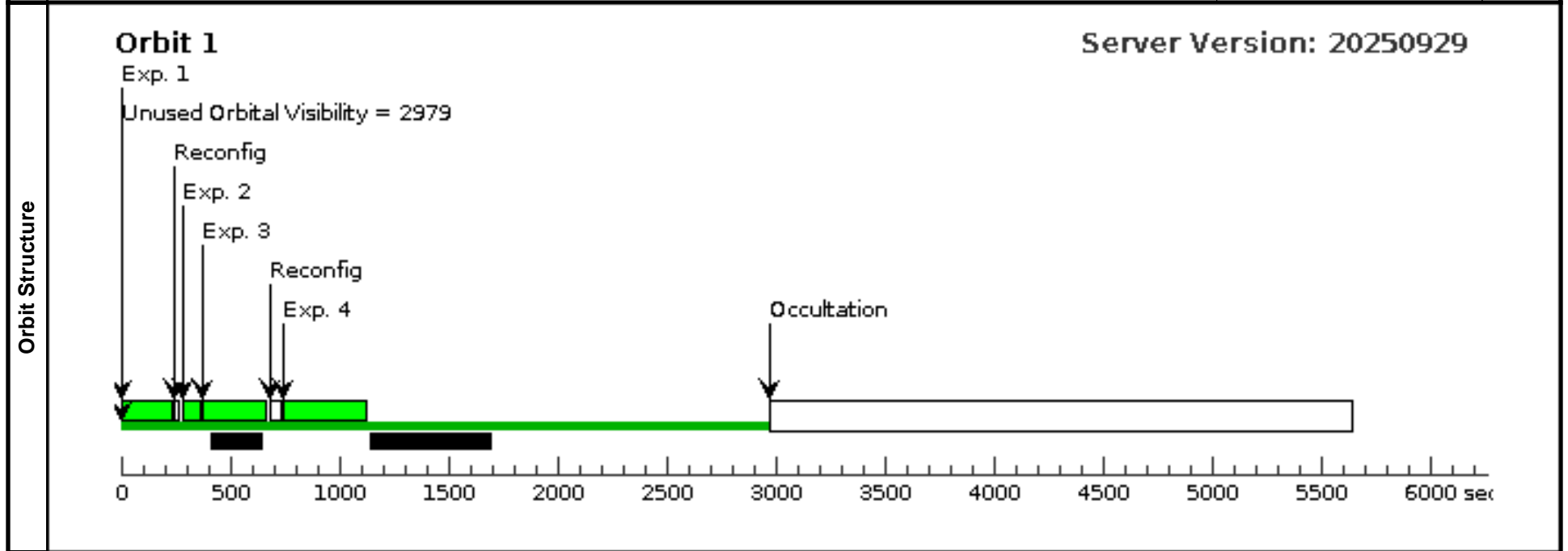


Proposal 17957 - STEP25c (13) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25c (13), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]

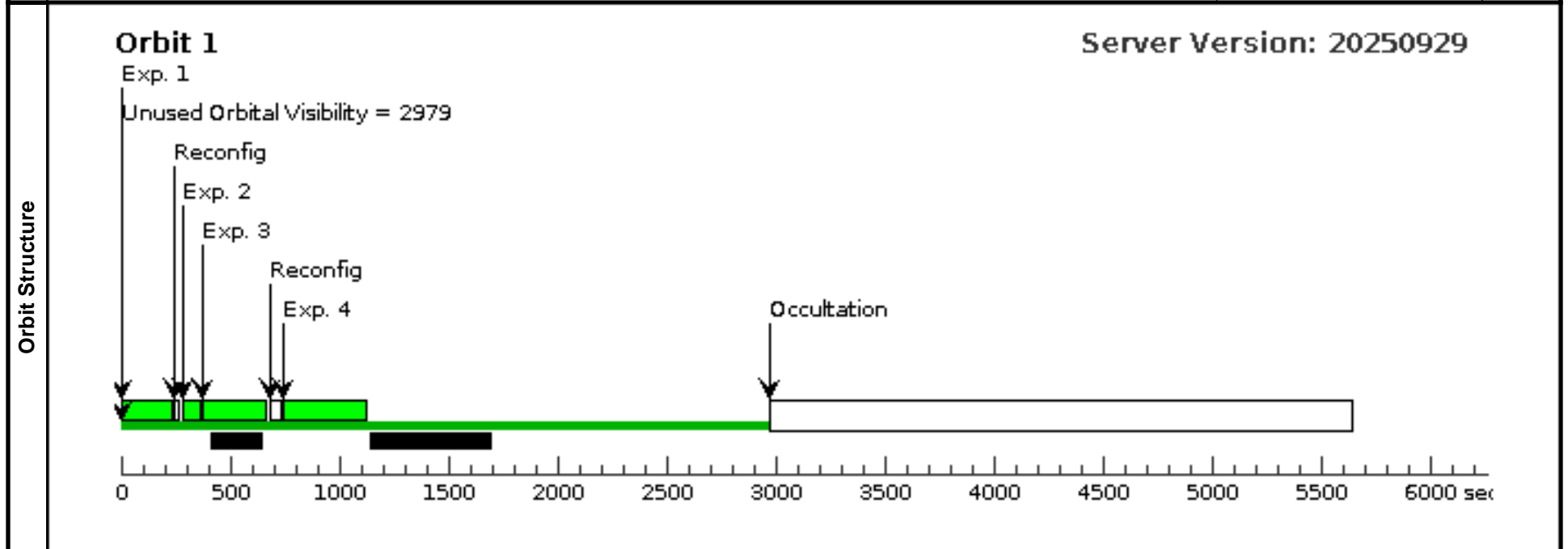


Proposal 17957 - STEP25d (14) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25d (14), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]

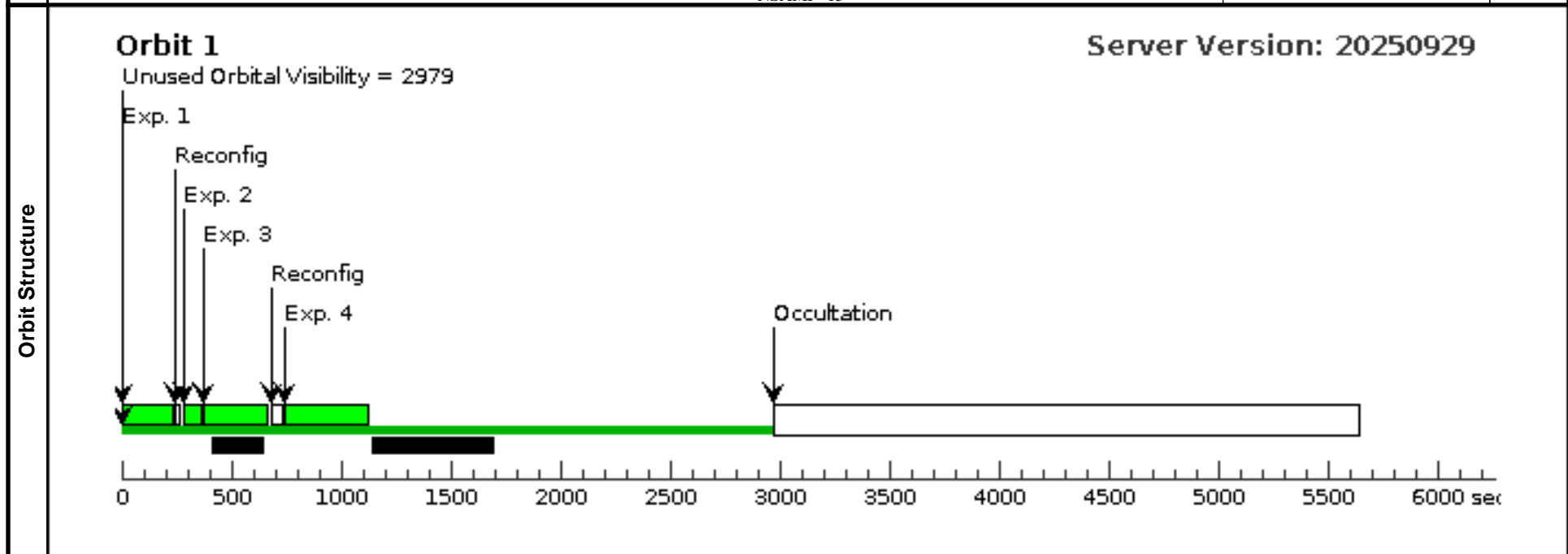


Proposal 17957 - STEP25e (15) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25e (15), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]

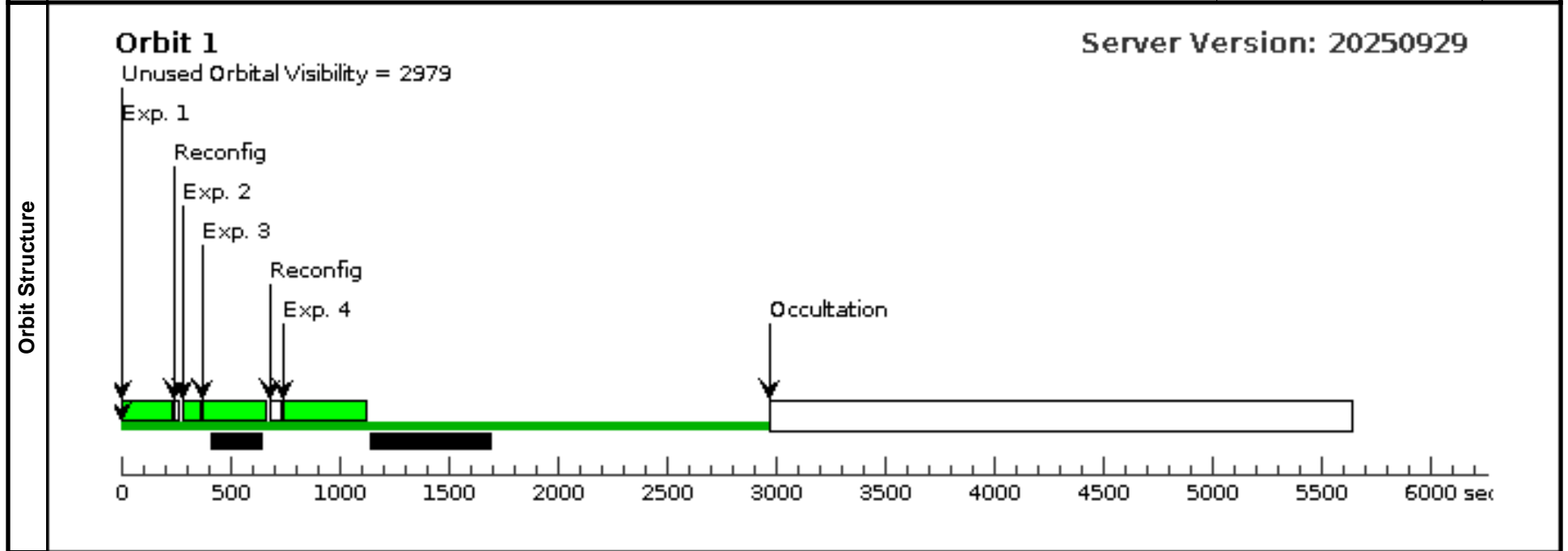


Proposal 17957 - STEP25f (16) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25f (16), implementation								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]	

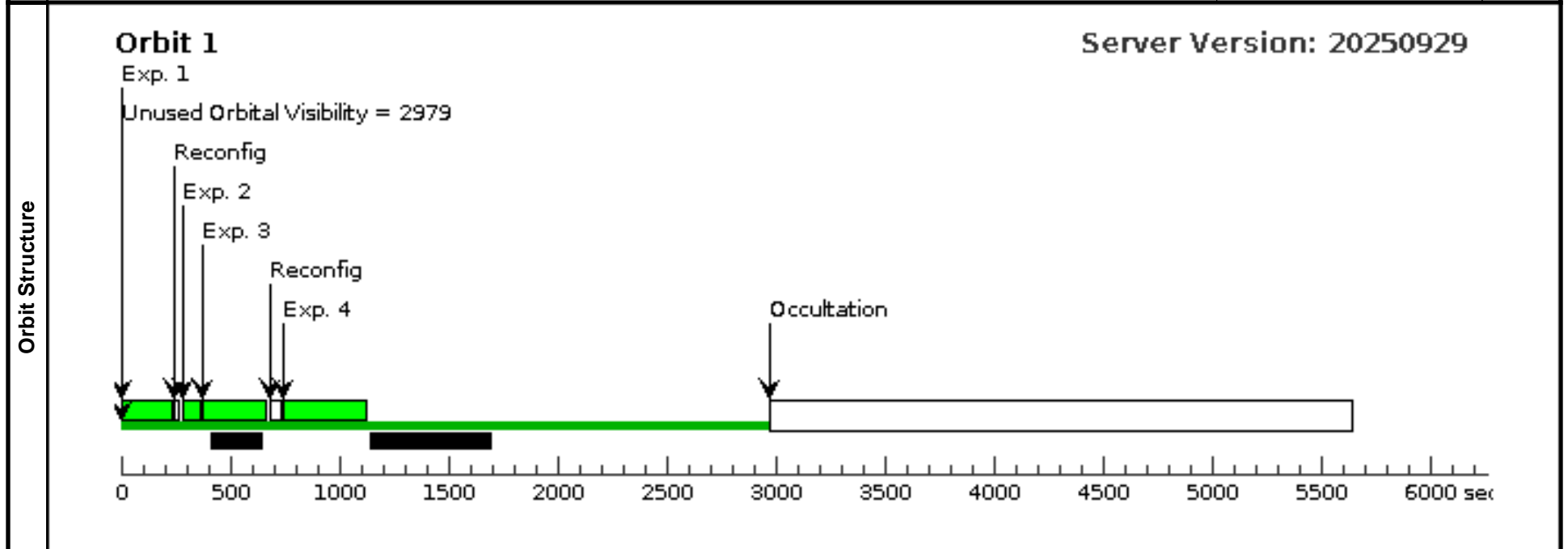


Proposal 17957 - STEP25g (17) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25g (17), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]

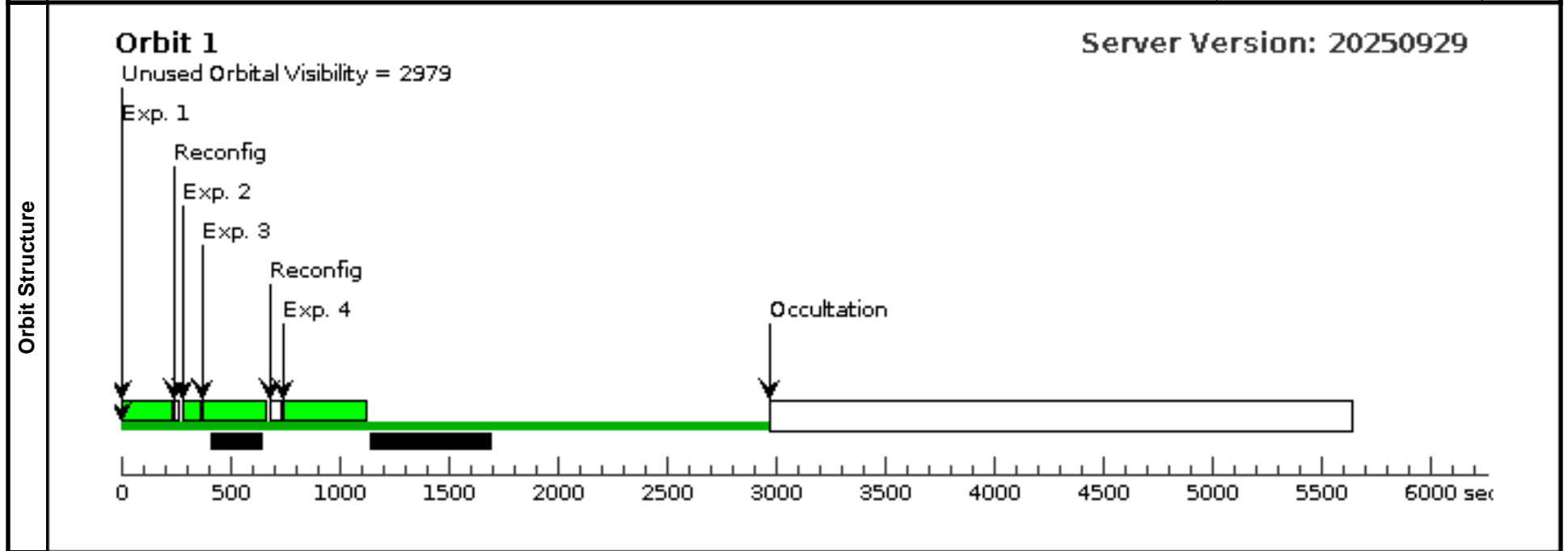


Proposal 17957 - STEP25h (18) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25h (18), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]

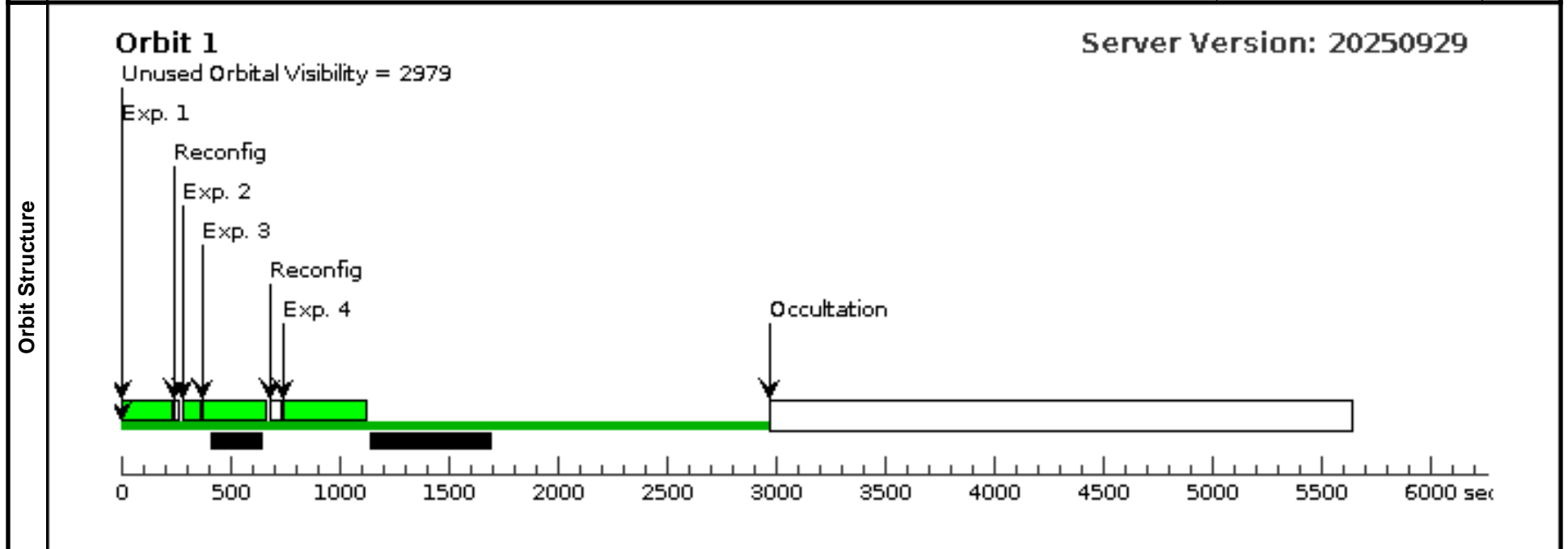


Proposal 17957 - STEP25i (19) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25i (19), implementation								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-JAN-2026:00:00:00								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]



Proposal 17957 - STEP25j (20) - WFC3 IR Linearity Monitor

Tue Nov 25 20:00:23 GMT 2025

Visit	Proposal 17957, STEP25j (20), completed									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-NOV-2025:00:00:00 AND 01-DEC-2025:00:00:00									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 100; NSAMP=3			202.932937 Secs (202.933 Secs) [==>]	[1]
	2	warm up flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	SAMP-SEQ=SPARS 50; NSAMP=2			52.932742 Secs (52.933 Secs) [==>]	[1]
	3	full flat	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP2 5; NSAMP=15			274.234861 Secs (274.235 Secs) [==>]	[1]
4	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 25; NSAMP=15			352.939501 Secs (352.94 Secs) [==>]	[1]	

