



12712 - IR Internal Flats

Cycle: 19, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

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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	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:07:39.0	yes
02	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:07:44.0	yes
03	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:07:47.0	yes
04	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:07:51.0	yes
05	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:07:55.0	yes
06	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:07:58.0	yes
07	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:01.0	yes
08	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:03.0	yes
09	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:05.0	yes
10	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:07.0	yes
11	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:08.0	yes
12	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:10.0	yes

Proposal 12712 (STScI Edit Number: 1, Created: Monday, January 30, 2012 9:09:10 PM EST) - 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>
13	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:13.0	yes
14	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:16.0	yes
15	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:19.0	yes
16	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:23.0	yes
17	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:26.0	yes
18	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:29.0	yes
19	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:32.0	yes
20	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:33.0	yes
21	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:36.0	yes
22	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:38.0	yes
23	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:39.0	yes
24	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:40.0	yes
25	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:43.0	yes
26	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:46.0	yes
27	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:50.0	yes
28	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:53.0	yes
29	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:56.0	yes
30	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:08:59.0	yes
31	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:09:01.0	yes
32	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:09:03.0	yes
33	TUNGSTEN	WFC3/IR	1	30-Jan-2012 21:09:06.0	yes

33 Total Orbits Used

ABSTRACT

This is a continuation of programs 11433 (SMOV), 11915 (Cy 17) and 12338 (Cy 18). In this program, we will study the stability and structure of the IR channel flat field images through all filter elements in the WFC3-IR channel. Flats will be monitored, i.e. to capture any temporal trends in the

flat fields, and delta flats produced. High signal observations will provide a map of the pixel-to-pixel flat field structure, as well as identify the positions of any dust particles.

This version contains bi-monthly monitoring of all broad-band filters and one full set of all filters at the middle of the cycle. A total of 30 internal orbits are used. Additional 3 internal orbits are used to test alternative sampling sequences.

OBSERVING DESCRIPTION

A set of 18 single orbit visits (Visit 01-06, 13-18, 25-30) will execute with 3 visits once every second month. To facilitate scheduling, we allow observations to be executed during the full first month of each two month period. Each visit consists of one exposure of each of the IR broad-band filters. Three exposures per filter bi-monthly will assure us good statistics and temporal sampling. A set of 12 orbits (Visit 7-12, 19-24) contains in total two exposures of all IR filters and is intended to allow a characterization also of medium and narrow band filters. These are scheduled to be executed within a 45 day period at the middle of the cycle (1MAR-1MAY). Three orbits (Visit 31-33) are included to evaluate the effect of changing sampling sequences.

CALIBRATION JUSTIFICATION

The target electrons per pixel is 40,000 - 60,000, so that the Poisson noise of an individual pixel and a single exposure will be 0.5%, comparable to or smaller than any individual astronomical image made by WFC3 IR. With 2 well-exposed flats per medium- and narrow-band filter, the Poisson-limited noise after combining 2 individuals will be ~1.4x smaller. For the broad-band filters, we can combine 3 exposures to produce bi-monthly flats, or combine a total of 18 exposures for a extremely low noise flats in the case temporal variations are limited.

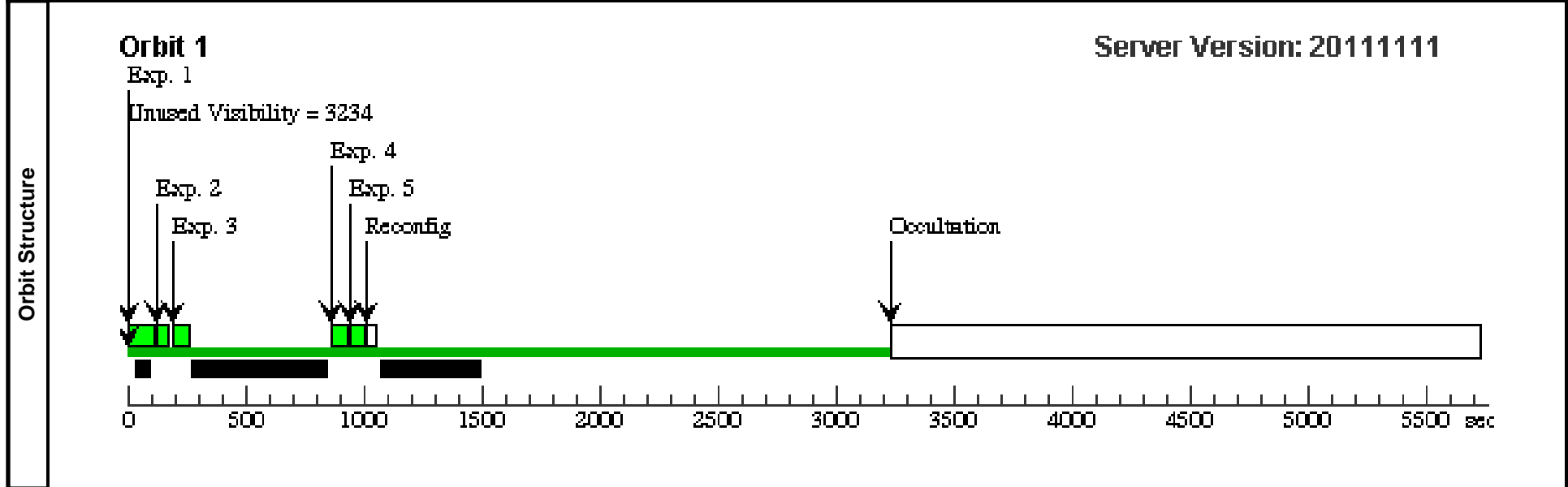
Analysis results will be detailed in an ISR.

Proposal 12712 - Visit 01 - IR Internal Flats

Tue Jan 31 02:09:10 GMT 2012

Visit	Proposal 12712, Visit 01, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-NOV-2011:18:42:27 AND 30-NOV-2011:18:42:27 Comments: Bi-monthly wide filter visit.								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	5	F140W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]

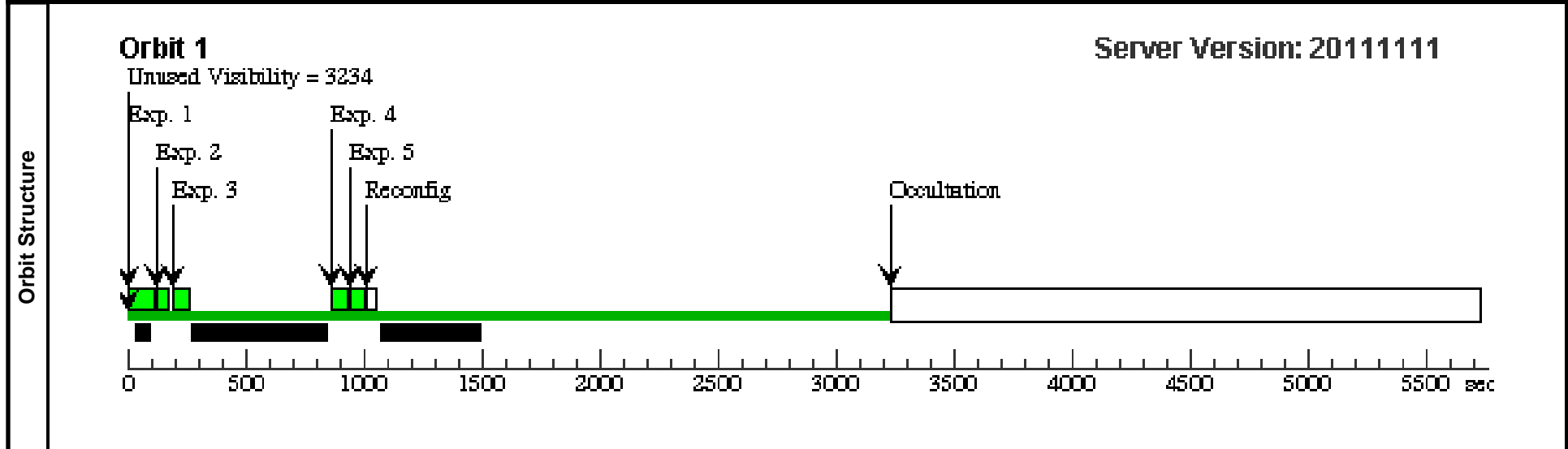


Proposal 12712 - Visit 02 - IR Internal Flats

Tue Jan 31 02:09:11 GMT 2012

Visit	Proposal 12712, Visit 02, completed								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-JAN-2012:18:43:03 AND 31-JAN-2012:18:43:03								
	<i>Comments: Bi-monthly wide filter visit.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

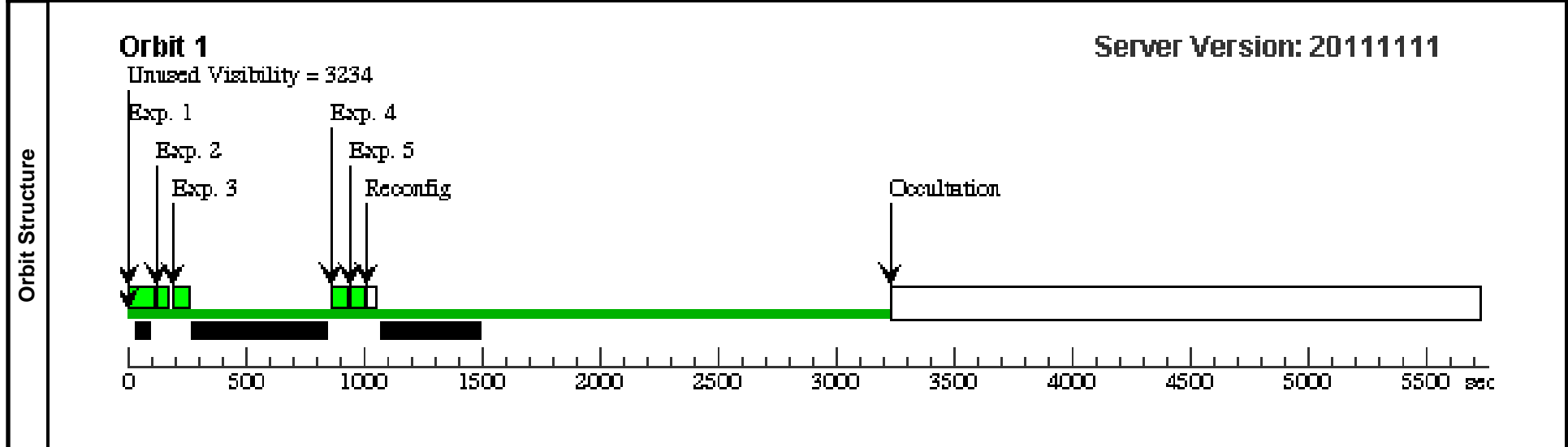


Proposal 12712 - Visit 03 - IR Internal Flats

Tue Jan 31 02:09:12 GMT 2012

Visit	Proposal 12712, Visit 03, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-MAR-2012:18:45:44 AND 31-MAR-2012:18:45:44									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

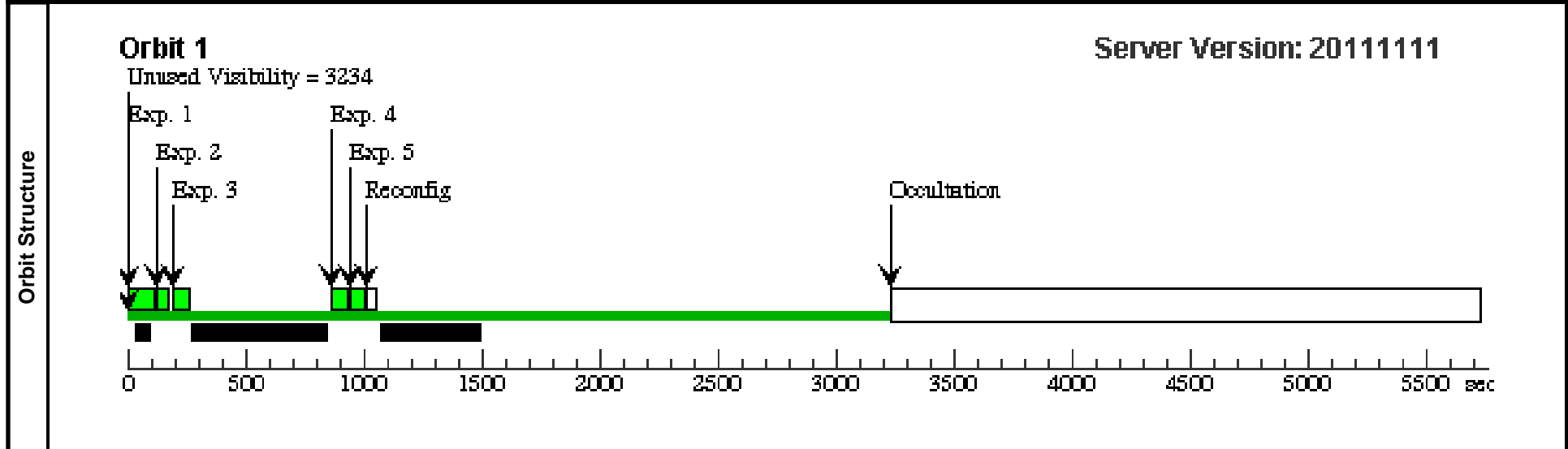


Proposal 12712 - Visit 04 - IR Internal Flats

Tue Jan 31 02:09:12 GMT 2012

Visit	Proposal 12712, Visit 04, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-MAY-2012:18:46:19 AND 31-MAY-2012:18:46:19									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

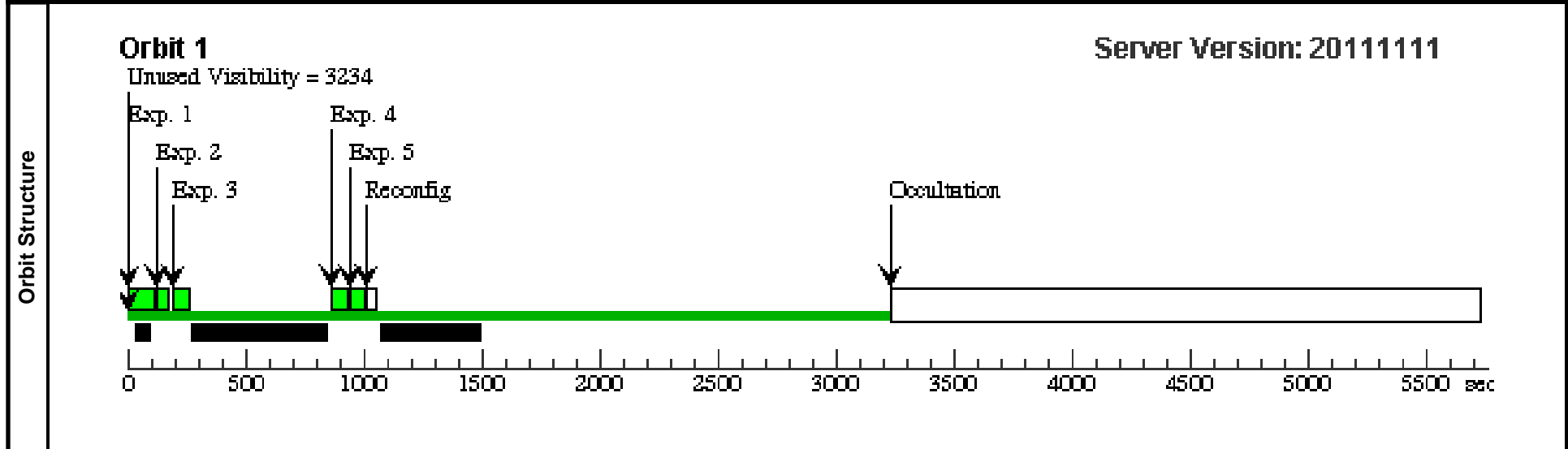


Proposal 12712 - Visit 05 - IR Internal Flats

Tue Jan 31 02:09:12 GMT 2012

Visit	Proposal 12712, Visit 05, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-JUL-2012:18:46:43 AND 31-JUL-2012:18:46:43									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

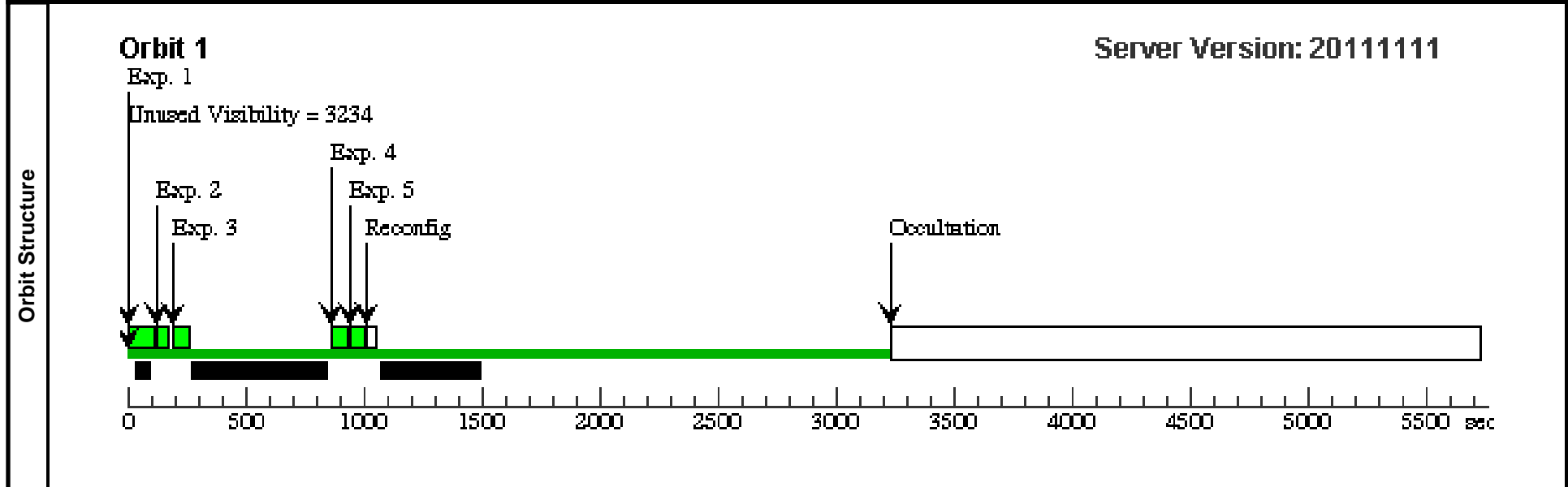


Proposal 12712 - Visit 06 - IR Internal Flats

Tue Jan 31 02:09:13 GMT 2012

Visit	Proposal 12712, Visit 06, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-SEP-2012:18:47:34 AND 30-SEP-2012:18:47:34									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
5	F140W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]	

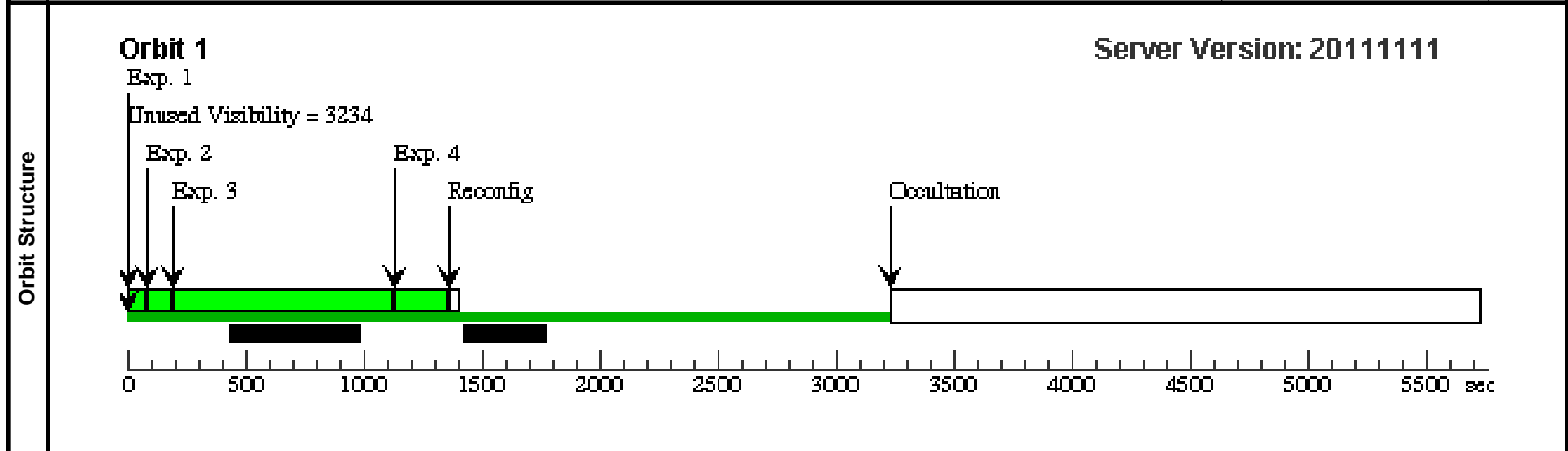


Proposal 12712 - Visit 07 - IR Internal Flats

Tue Jan 31 02:09:13 GMT 2012

Visit	Proposal 12712, Visit 07, scheduling								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-MAR-2012:15:17:16 AND 01-MAY-2012:15:17:16; GROUP 07,08,09,10,11,12 WITHIN 45D								
<i>Comments: Part of an mid cycle group of visits in all filters.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F140W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=RAPID			[==>]	[1]
	2	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPARS10			[==>]	[1]
	3	F130N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F130N	NSAMP=10; SAMP-SEQ=SPARS100			[==>]	[1]
	4	F127M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=9; SAMP-SEQ=SPARS25			[==>]	[1]

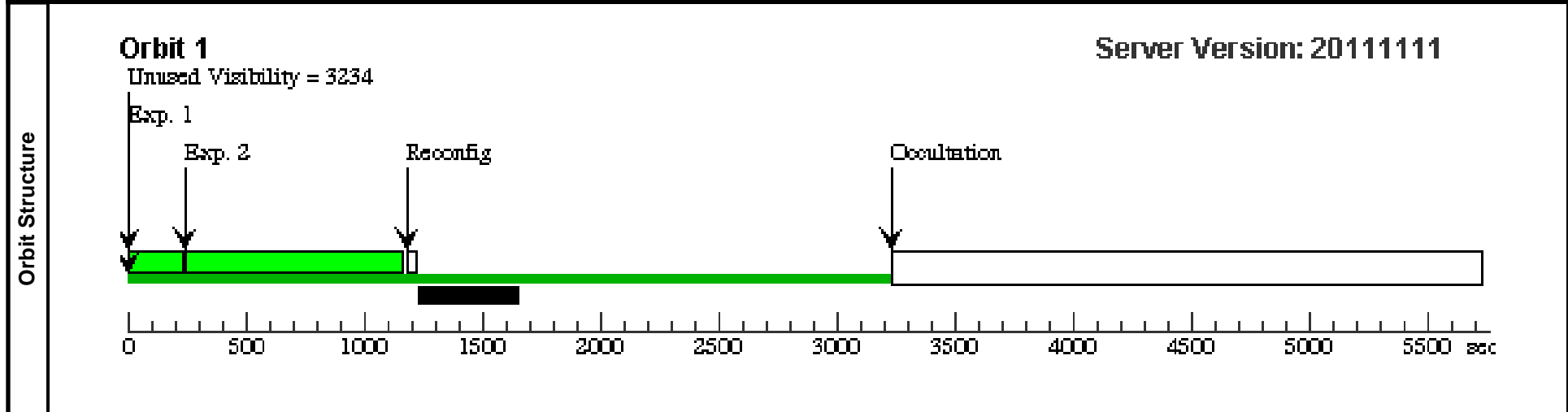


Proposal 12712 - Visit 08 - IR Internal Flats

Tue Jan 31 02:09:14 GMT 2012

Visit	Proposal 12712, Visit 08, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 08,07,09,10,11,12 WITHIN 45D <i>Comments: Part of a mid cycle group of visits in all filters.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F153M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F153M	NSAMP=9; SAMP-SEQ=SPAR S25			[==>]
	2	F132N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F132N	NSAMP=10; SAMP-SEQ=SPAR S100			[==>]	[1]



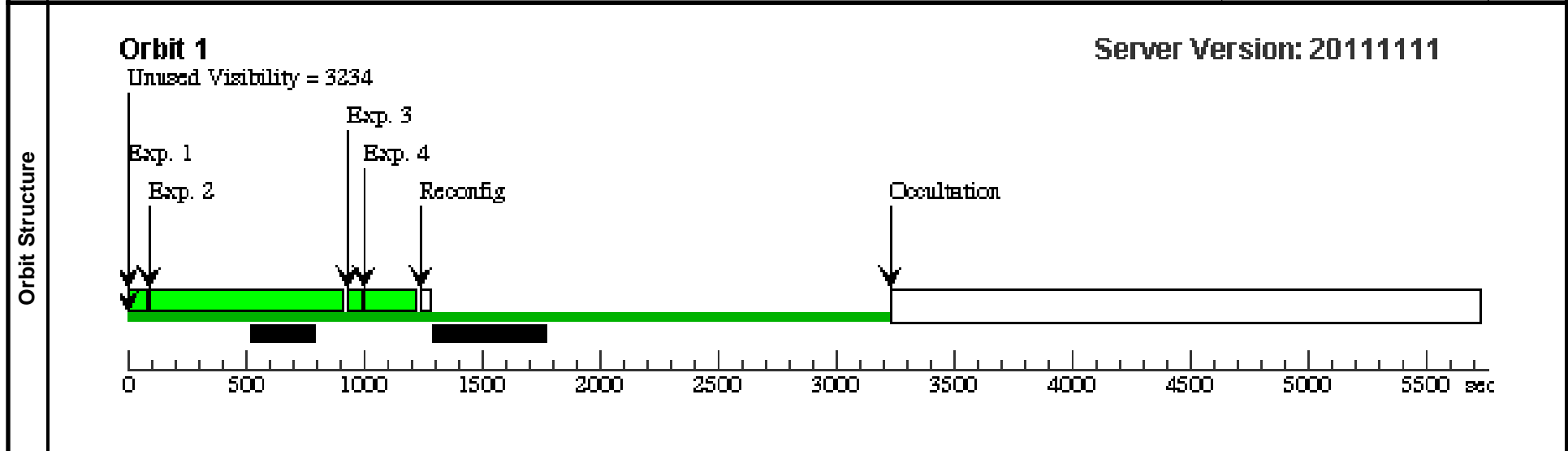
Proposal 12712 - Visit 09 - IR Internal Flats

Tue Jan 31 02:09:14 GMT 2012

Visit	Proposal 12712, Visit 09, completed								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: GROUP 09,07,08,10,11,12 WITHIN 45D								

Comments: Part of a mid cycle group of visits in all filters.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F167N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F167N	NSAMP=9; SAMP-SEQ=SPAR S100			[==>]	[1]
	3	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPID			[==>]	[1]
4	F139M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=5; SAMP-SEQ=SPAR S50			[==>]	[1]	

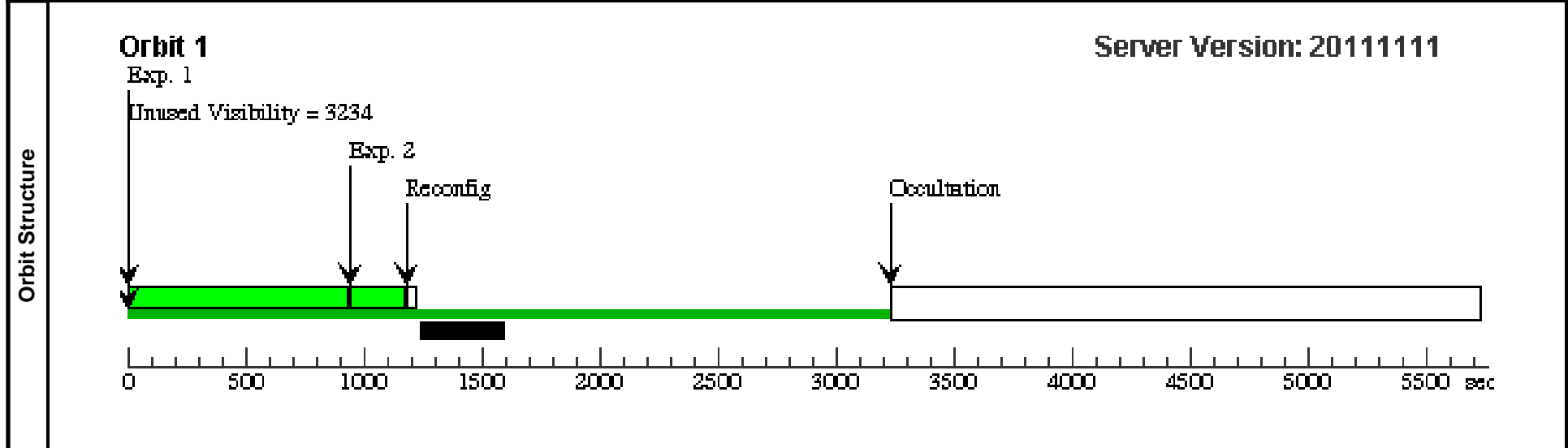


Proposal 12712 - Visit 10 - IR Internal Flats

Tue Jan 31 02:09:14 GMT 2012

Visit	Proposal 12712, Visit 10, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 10,07,08,09,11,12 WITHIN 45D Comments: Part of a mid cycle group of visits in all filters.								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F128N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F128N	NSAMP=10; SAMP-SEQ=SPAR S100			[==>]
	2	F098M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F098M	NSAMP=5; SAMP-SEQ=SPAR S50			[==>]	[1]

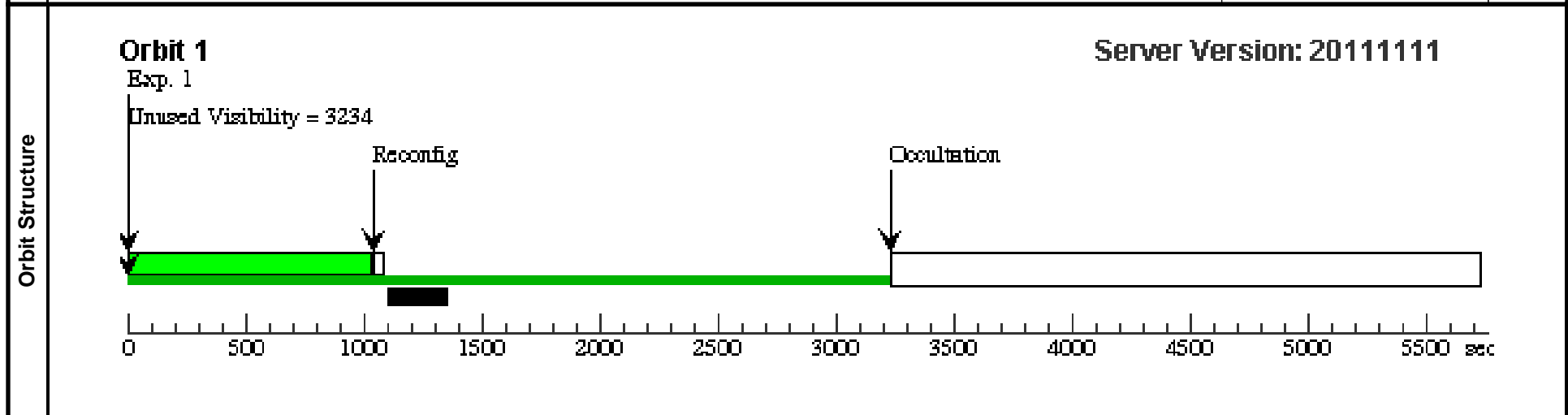


Proposal 12712 - Visit 11 - IR Internal Flats

Tue Jan 31 02:09:14 GMT 2012

Visit	Proposal 12712, Visit 11, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 11,07,08,09,10,12 WITHIN 45D Comments: Part of a mid cycle group of visits in all filters.							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F126N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	NSAMP=11; SAMP-SEQ=SPAR S100			[==>]	[1]

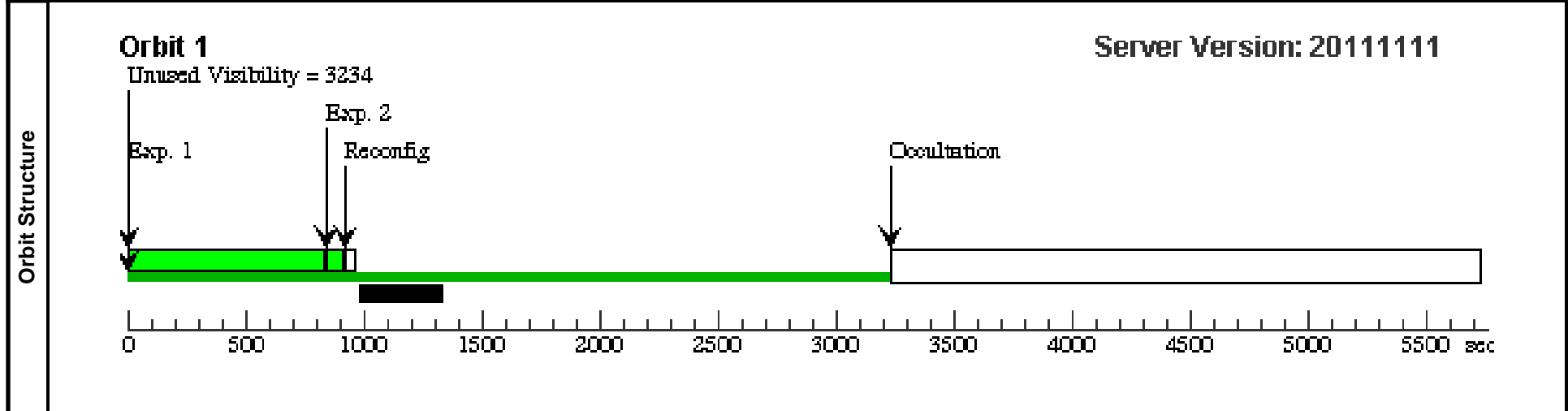


Proposal 12712 - Visit 12 - IR Internal Flats

Tue Jan 31 02:09:15 GMT 2012

Visit	Proposal 12712, Visit 12, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 12,07,08,09,10,11 WITHIN 45D <i>Comments: Part of a mid cycle group of visits in all filters.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F164N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F164N	NSAMP=9; SAMP-SEQ=SPAR S100			[==>]
	2	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

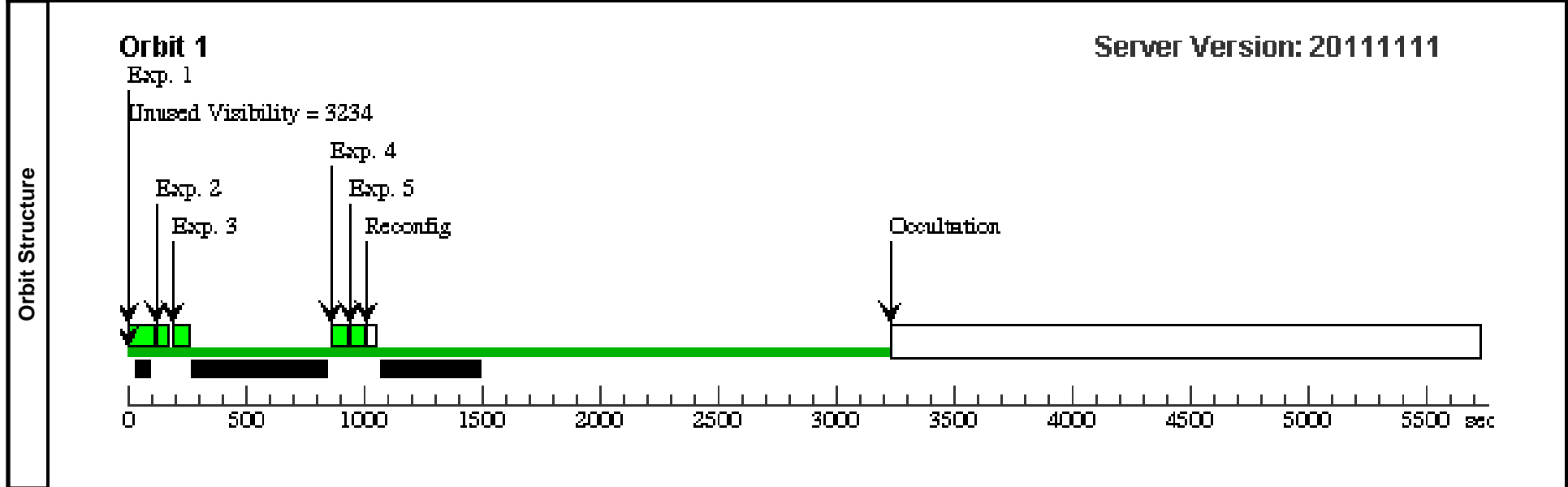


Proposal 12712 - Visit 13 - IR Internal Flats

Tue Jan 31 02:09:15 GMT 2012

Visit	Proposal 12712, Visit 13, completed								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-NOV-2011:18:42:27 AND 30-NOV-2011:18:42:27								
	Comments: Bi-monthly wide filter visit.								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPID			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

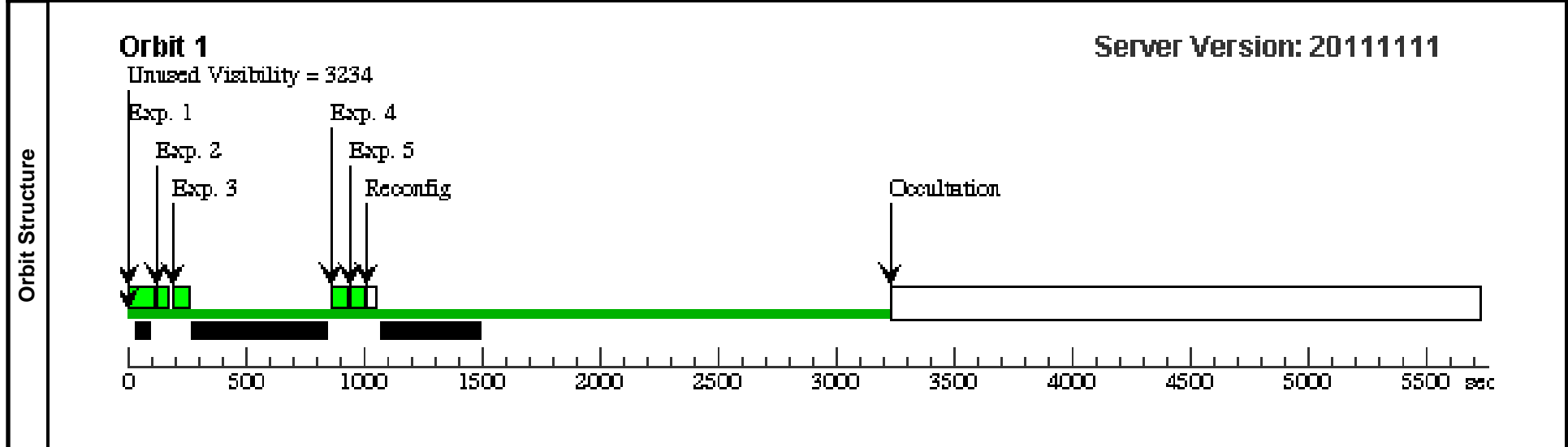


Proposal 12712 - Visit 14 - IR Internal Flats

Tue Jan 31 02:09:15 GMT 2012

Visit	Proposal 12712, Visit 14, completed								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-JAN-2012:18:43:03 AND 31-JAN-2012:18:43:03								
	<i>Comments: Bi-monthly wide filter visit.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

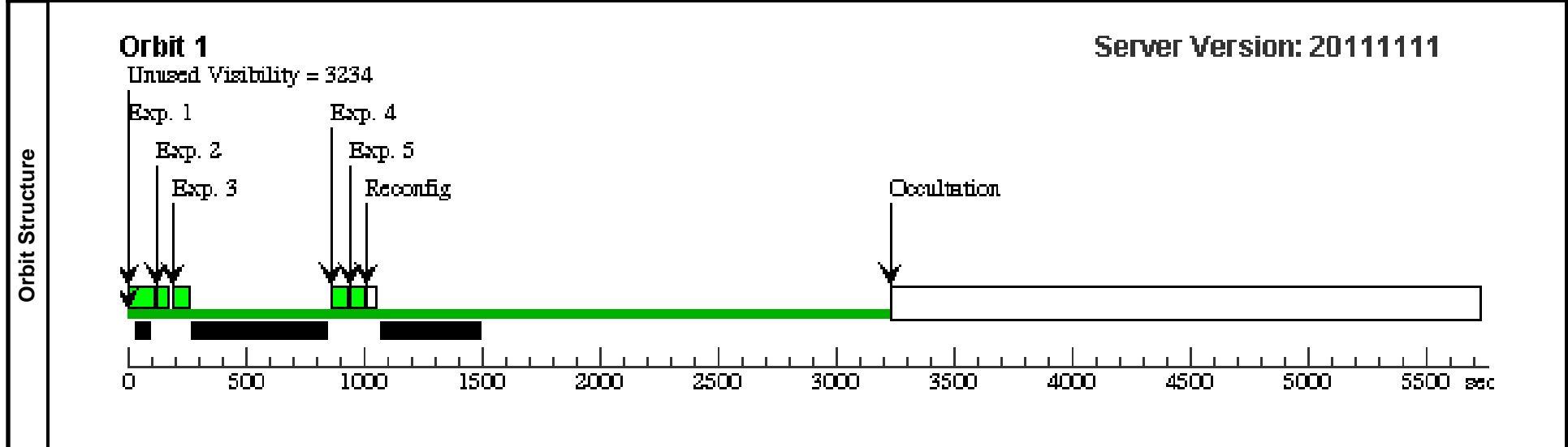


Proposal 12712 - Visit 15 - IR Internal Flats

Tue Jan 31 02:09:16 GMT 2012

Visit	Proposal 12712, Visit 15, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-MAR-2012:18:45:44 AND 31-MAR-2012:18:45:44									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

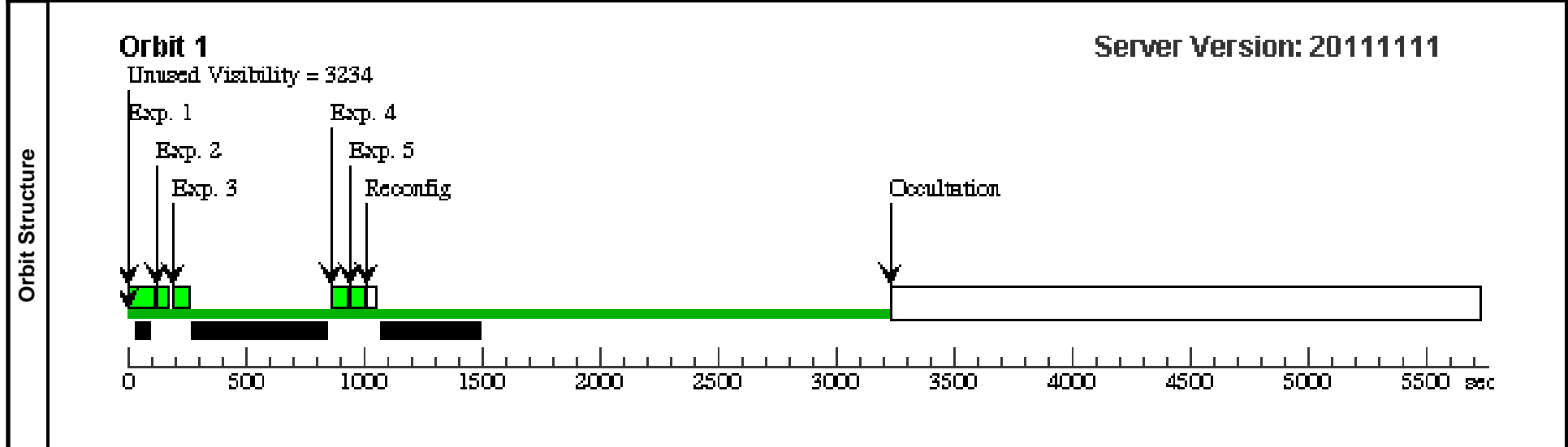


Proposal 12712 - Visit 16 - IR Internal Flats

Tue Jan 31 02:09:16 GMT 2012

Visit	Proposal 12712, Visit 16, scheduling								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-MAY-2012:18:46:19 AND 31-MAY-2012:18:46:19								
	<i>Comments: Bi-monthly wide filter visit.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

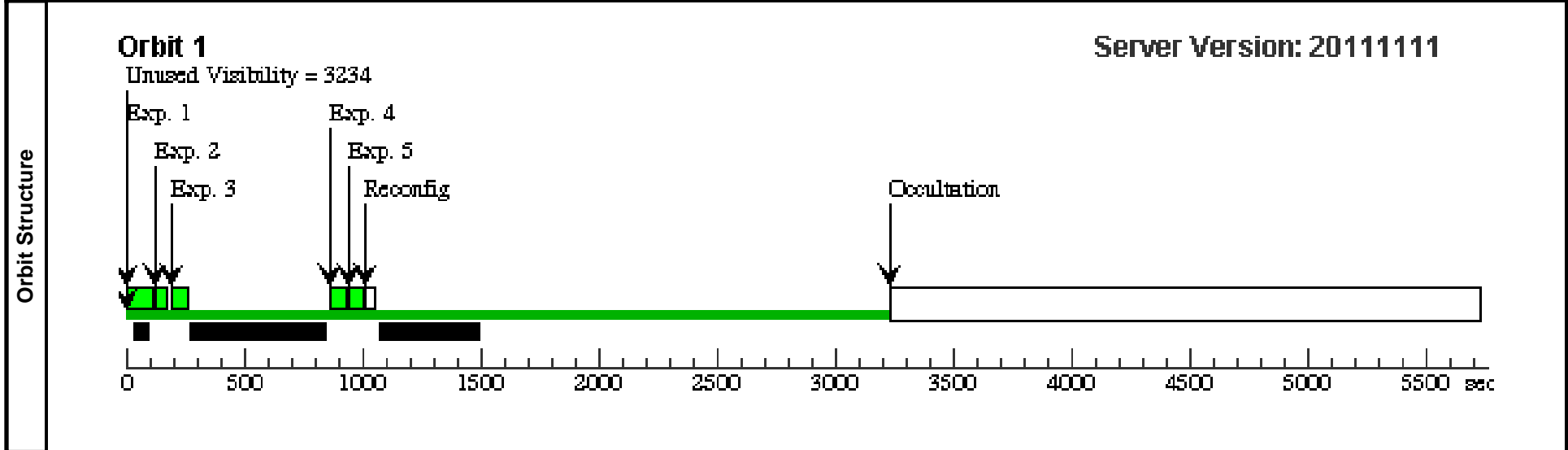


Proposal 12712 - Visit 17 - IR Internal Flats

Tue Jan 31 02:09:16 GMT 2012

Visit	Proposal 12712, Visit 17, scheduling								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-JUL-2012:18:46:43 AND 31-JUL-2012:18:46:43								
	<i>Comments: Bi-monthly wide filter visit.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

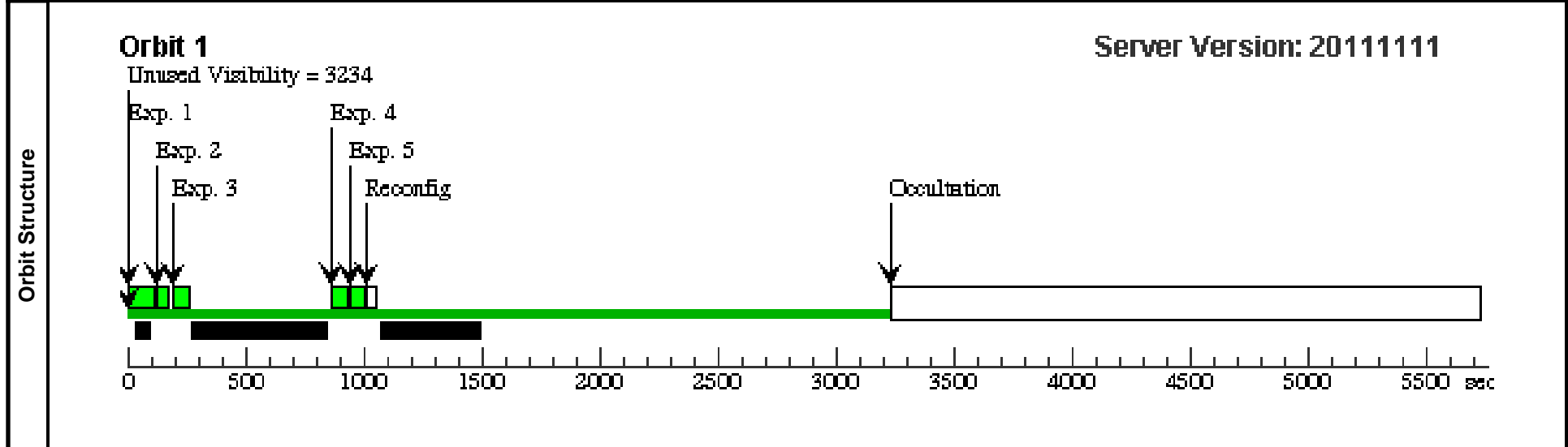


Proposal 12712 - Visit 18 - IR Internal Flats

Tue Jan 31 02:09:16 GMT 2012

Visit	Proposal 12712, Visit 18, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-SEP-2012:18:47:34 AND 30-SEP-2012:18:47:34									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]



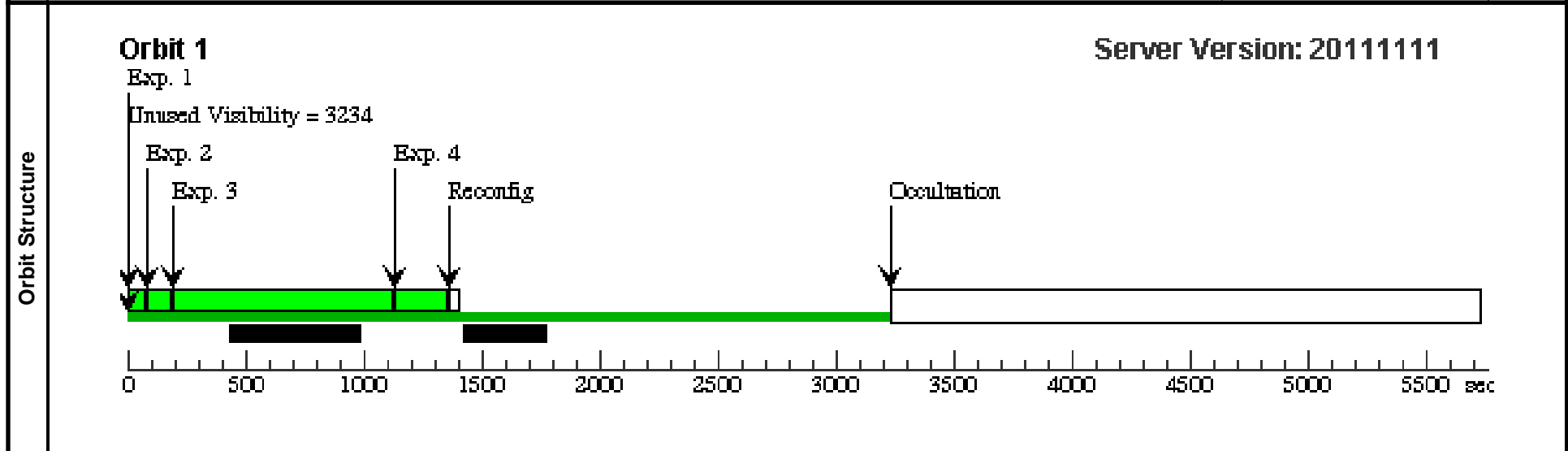
Proposal 12712 - Visit 19 - IR Internal Flats

Tue Jan 31 02:09:17 GMT 2012

Visit	Proposal 12712, Visit 19, scheduling								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-MAR-2012:15:17:16 AND 01-MAY-2012:15:17:16; GROUP 19,20,21,22,23,24 WITHIN 45D								

Comments: Part of an mid cycle group of visits in all filters.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F140W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=RAPID			[==>]	[1]
	2	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPARS10			[==>]	[1]
	3	F130N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F130N	NSAMP=10; SAMP-SEQ=SPARS100			[==>]	[1]
	4	F127M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=9; SAMP-SEQ=SPARS25			[==>]	[1]

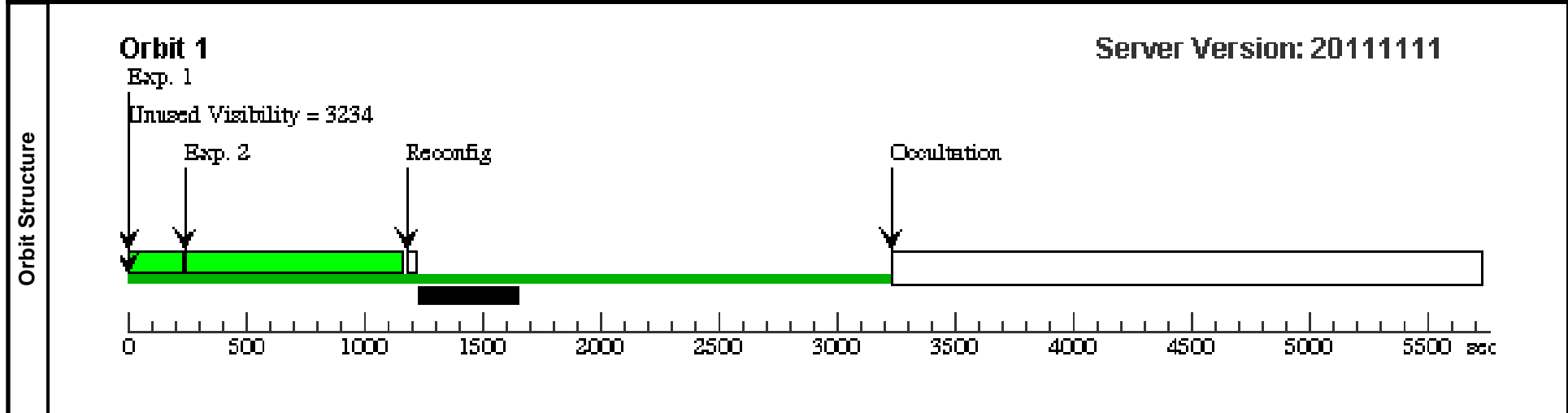


Proposal 12712 - Visit 20 - IR Internal Flats

Tue Jan 31 02:09:17 GMT 2012

Visit	Proposal 12712, Visit 20, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 20,19,21,22,23,24 WITHIN 45D Comments: Part of a mid cycle group of visits in all filters.								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F153M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F153M	NSAMP=9; SAMP-SEQ=SPAR S25			[==>]
	2	F132N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F132N	NSAMP=10; SAMP-SEQ=SPAR S100			[==>]	[1]

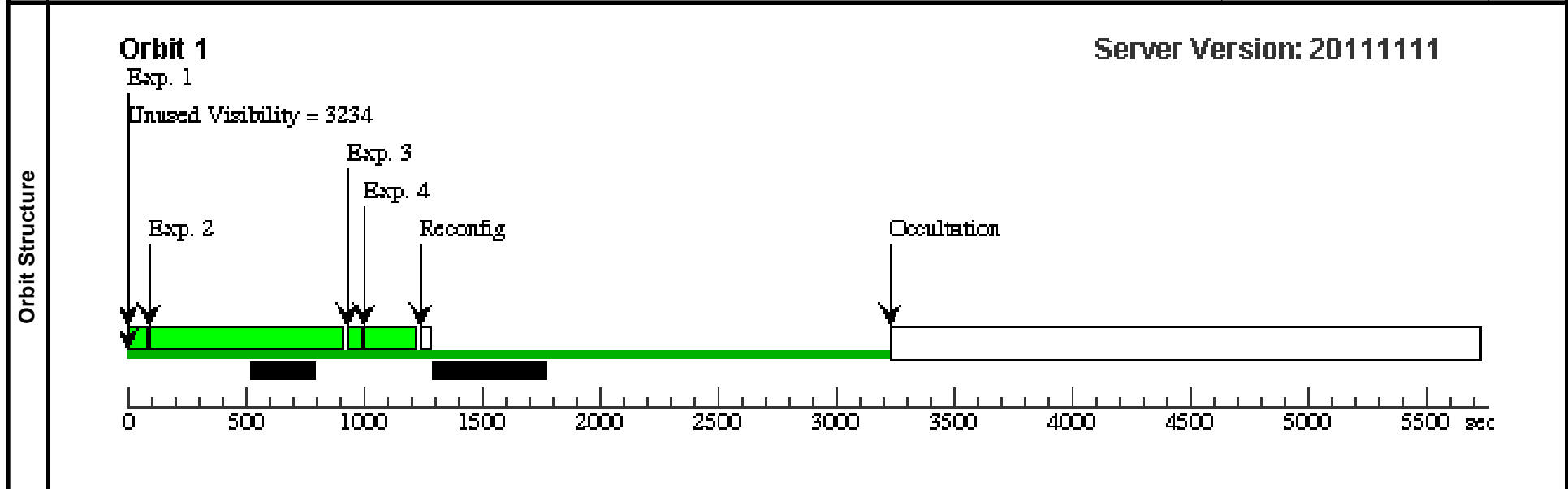


Proposal 12712 - Visit 21 - IR Internal Flats

Tue Jan 31 02:09:17 GMT 2012

Visit	Proposal 12712, Visit 21, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 21,19,20,22,23,24 WITHIN 45D Comments: Part of a mid cycle group of visits in all filters.								
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F167N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F167N	NSAMP=9; SAMP-SEQ=SPAR S100			[==>]	[1]
	3	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPID			[==>]	[1]
	4	F139M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=5; SAMP-SEQ=SPAR S50			[==>]	[1]

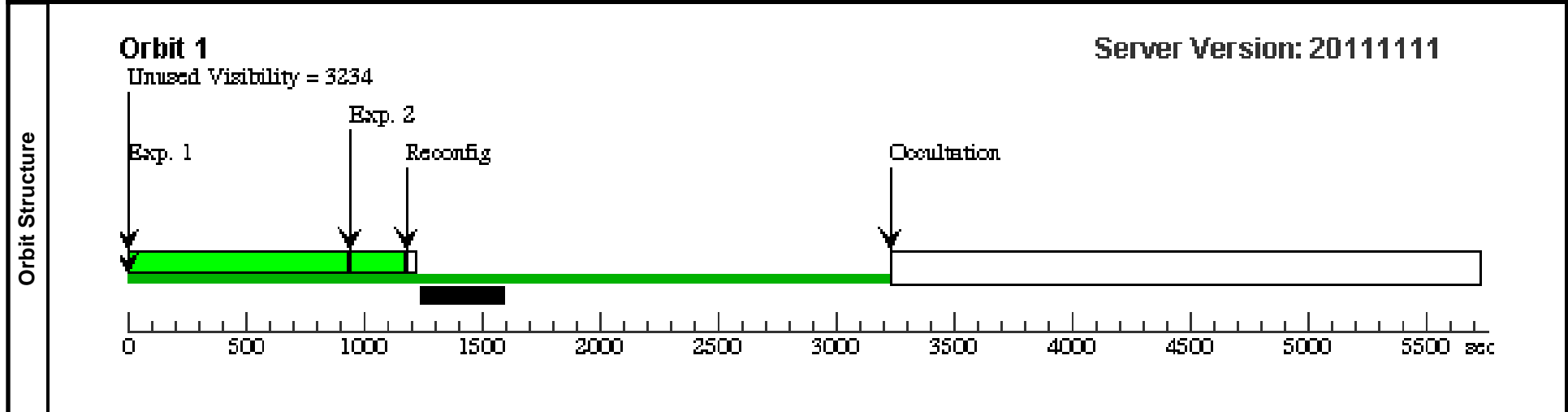


Proposal 12712 - Visit 22 - IR Internal Flats

Tue Jan 31 02:09:17 GMT 2012

Visit	Proposal 12712, Visit 22, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 22,19,20,21,23,24 WITHIN 45D <i>Comments: Part of a mid cycle group of visits in all filters.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F128N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F128N	NSAMP=10; SAMP-SEQ=SPAR S100			[==>]
	2	F098M	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F098M	NSAMP=5; SAMP-SEQ=SPAR S50			[==>]	[1]

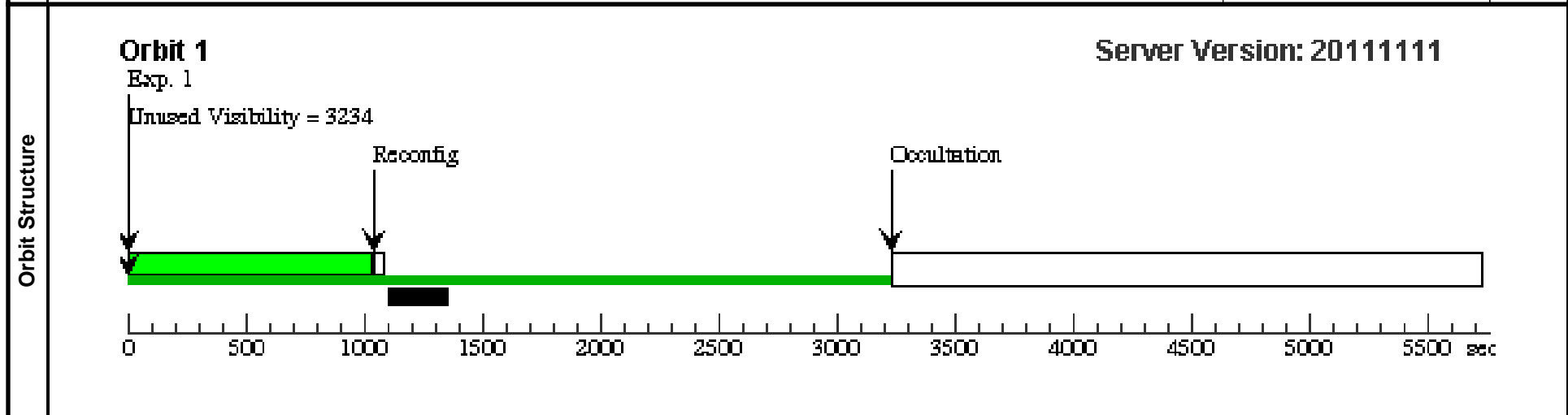


Proposal 12712 - Visit 23 - IR Internal Flats

Tue Jan 31 02:09:17 GMT 2012

Visit	Proposal 12712, Visit 23, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 23,19,20,21,22,24 WITHIN 45D Comments: Part of a mid cycle group of visits in all filters.							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F126N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F126N	NSAMP=11; SAMP-SEQ=SPAR S100			[==>]	[1]

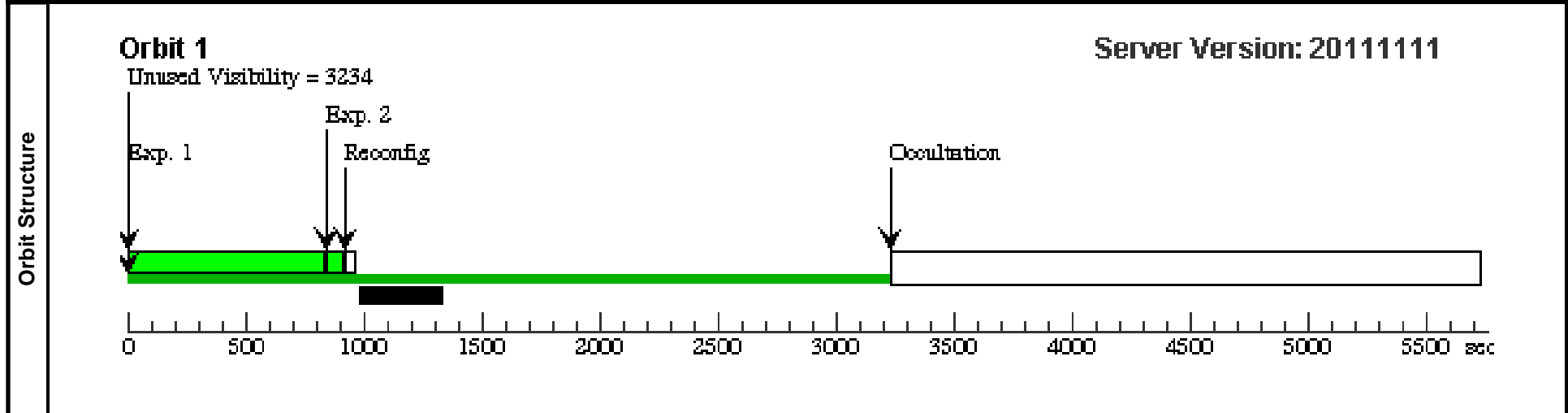


Proposal 12712 - Visit 24 - IR Internal Flats

Tue Jan 31 02:09:18 GMT 2012

Visit	Proposal 12712, Visit 24, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: GROUP 24,19,20,21,22,23 WITHIN 45D <i>Comments: Part of a mid cycle group of visits in all filters.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F164N	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F164N	NSAMP=9; SAMP-SEQ=SPAR S100			[==>]
	2	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

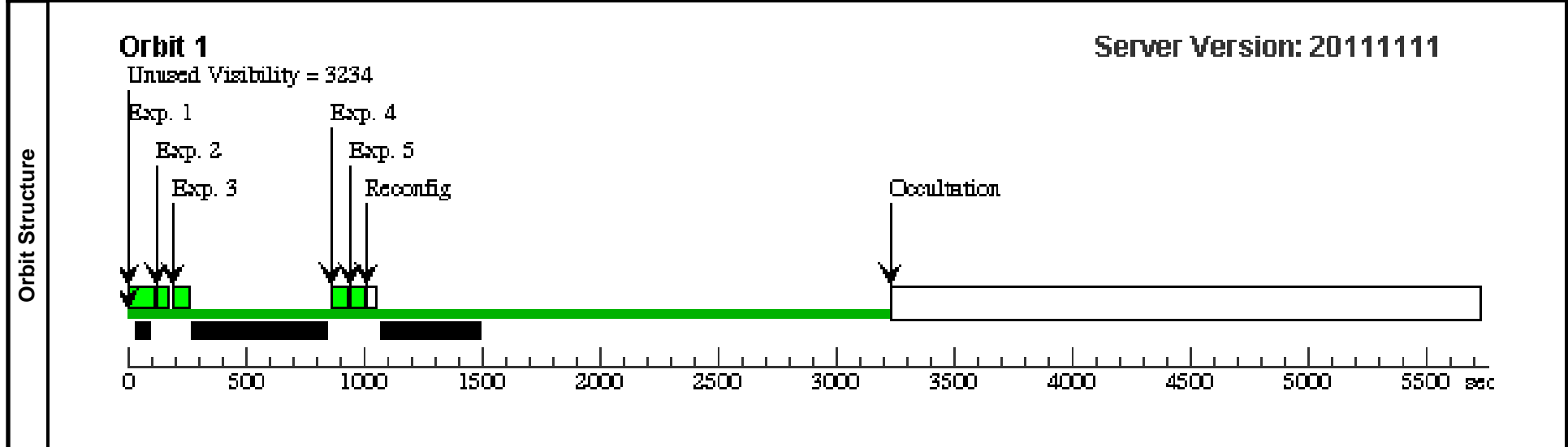


Proposal 12712 - Visit 25 - IR Internal Flats

Tue Jan 31 02:09:18 GMT 2012

Visit	Proposal 12712, Visit 25, completed									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-NOV-2011:18:42:27 AND 30-NOV-2011:18:42:27									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

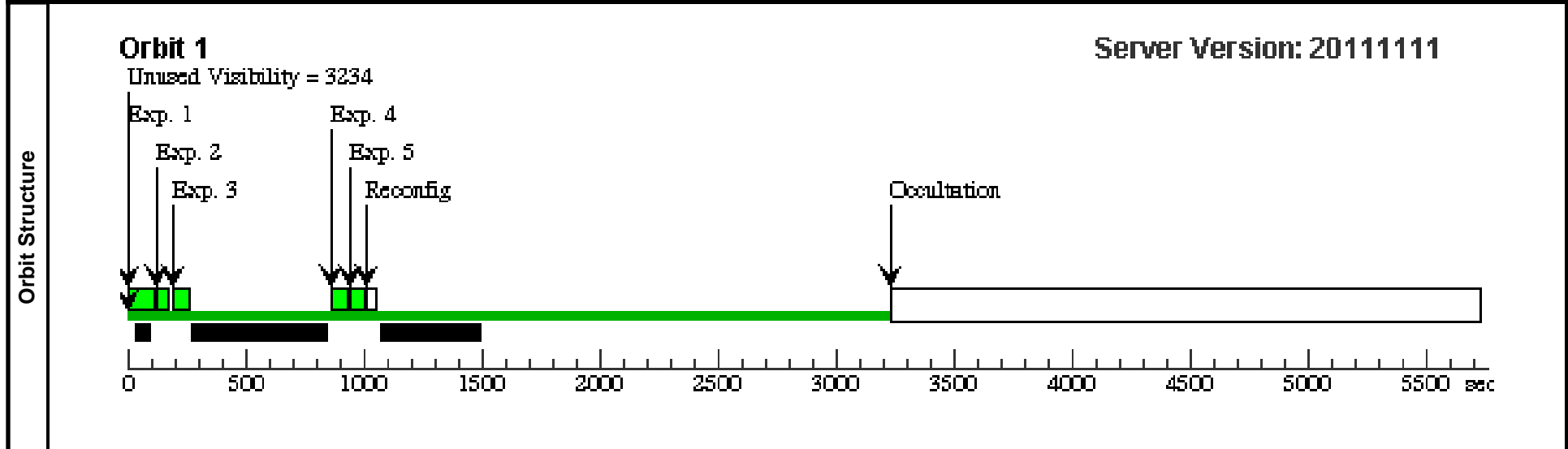


Proposal 12712 - Visit 26 - IR Internal Flats

Tue Jan 31 02:09:18 GMT 2012

Visit	Proposal 12712, Visit 26, completed									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-JAN-2012:18:43:03 AND 31-JAN-2012:18:43:03									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

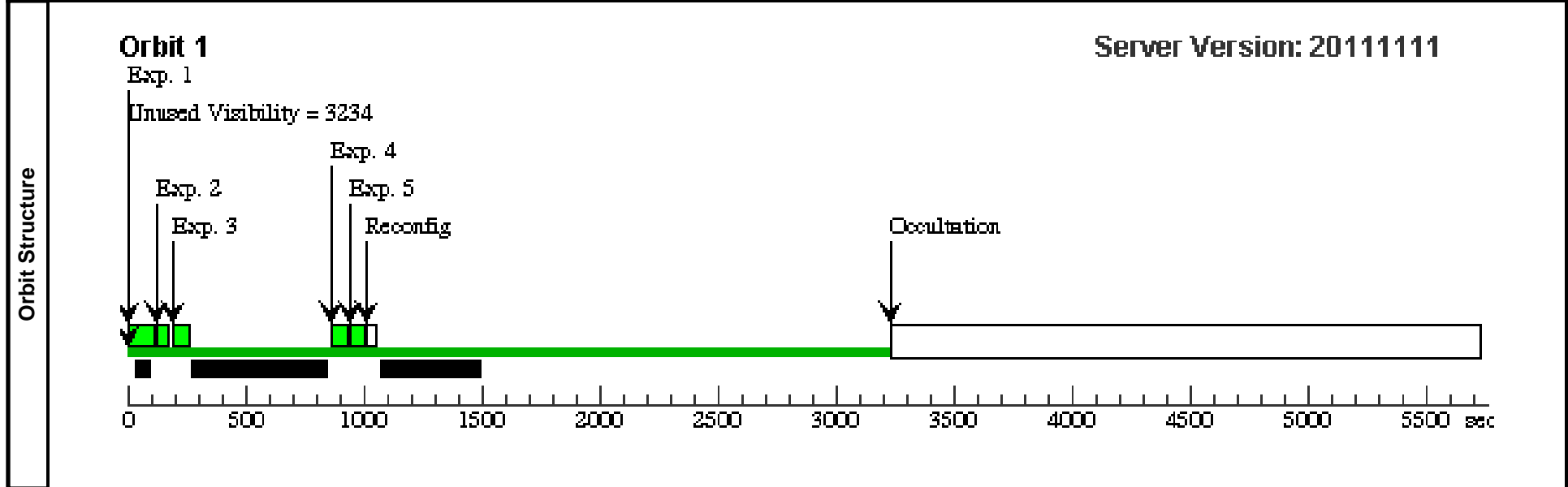


Proposal 12712 - Visit 27 - IR Internal Flats

Tue Jan 31 02:09:18 GMT 2012

Visit	Proposal 12712, Visit 27, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-MAR-2012:18:45:44 AND 31-MAR-2012:18:45:44									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

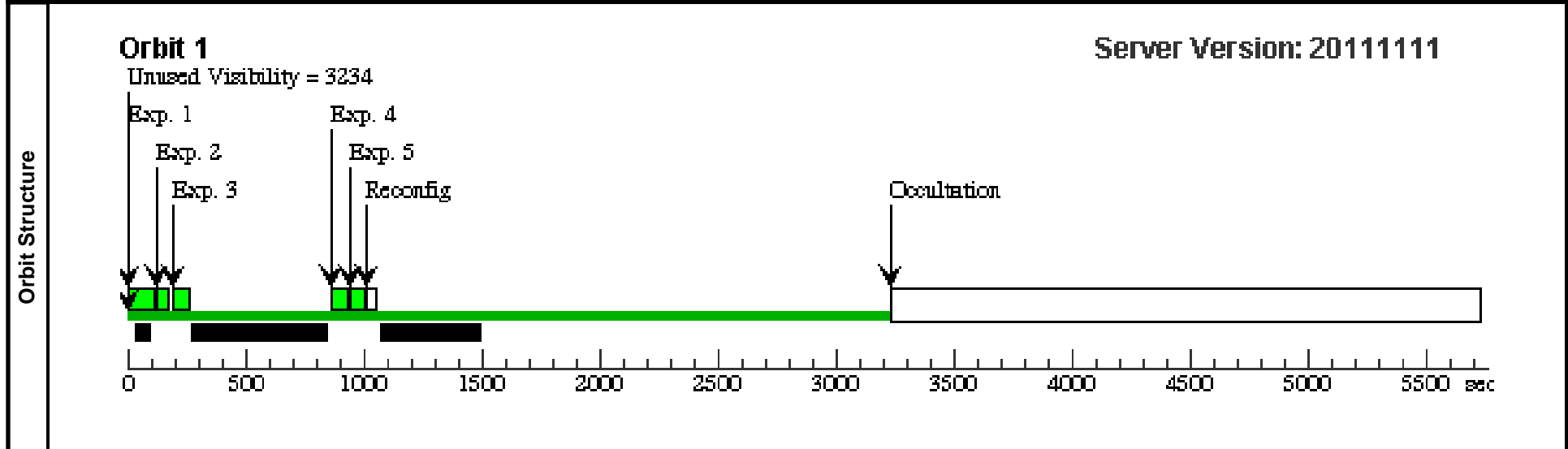


Proposal 12712 - Visit 28 - IR Internal Flats

Tue Jan 31 02:09:19 GMT 2012

Visit	Proposal 12712, Visit 28, scheduling									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: BETWEEN 01-MAY-2012:18:46:19 AND 31-MAY-2012:18:46:19									
	<i>Comments: Bi-monthly wide filter visit.</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

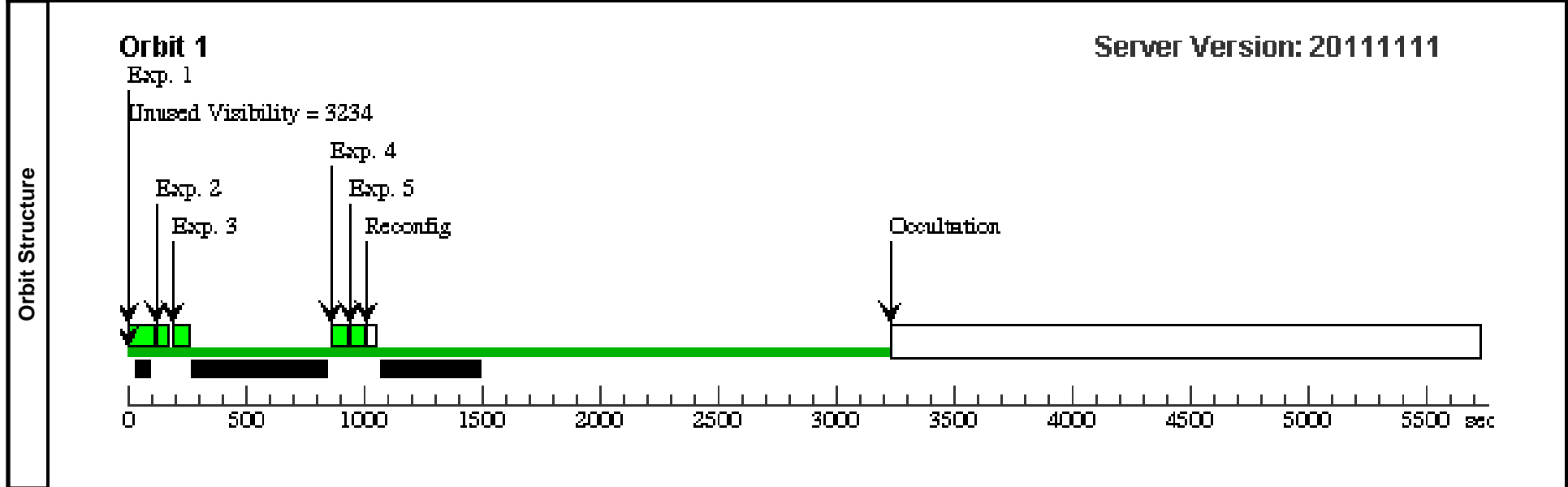


Proposal 12712 - Visit 29 - IR Internal Flats

Tue Jan 31 02:09:19 GMT 2012

Visit	Proposal 12712, Visit 29, scheduling								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-JUL-2012:18:46:43 AND 31-JUL-2012:18:46:43								
	<i>Comments: Bi-monthly wide filter visit.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPID			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]

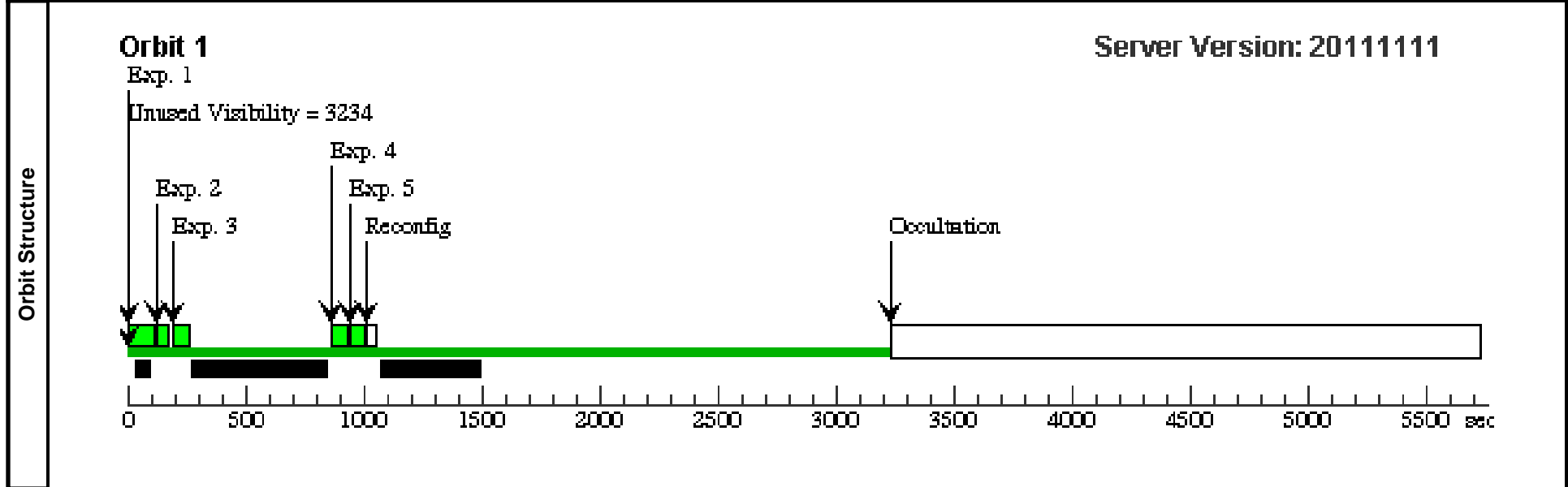


Proposal 12712 - Visit 30 - IR Internal Flats

Tue Jan 31 02:09:19 GMT 2012

Visit	Proposal 12712, Visit 30, scheduling								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-SEP-2012:18:47:34 AND 30-SEP-2012:18:47:34								
	<i>Comments: Bi-monthly wide filter visit.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=9; SAMP-SEQ=SPAR S10			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=SPAR S10			[==>]	[1]
5	F140W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=RAPI D			[==>]	[1]	

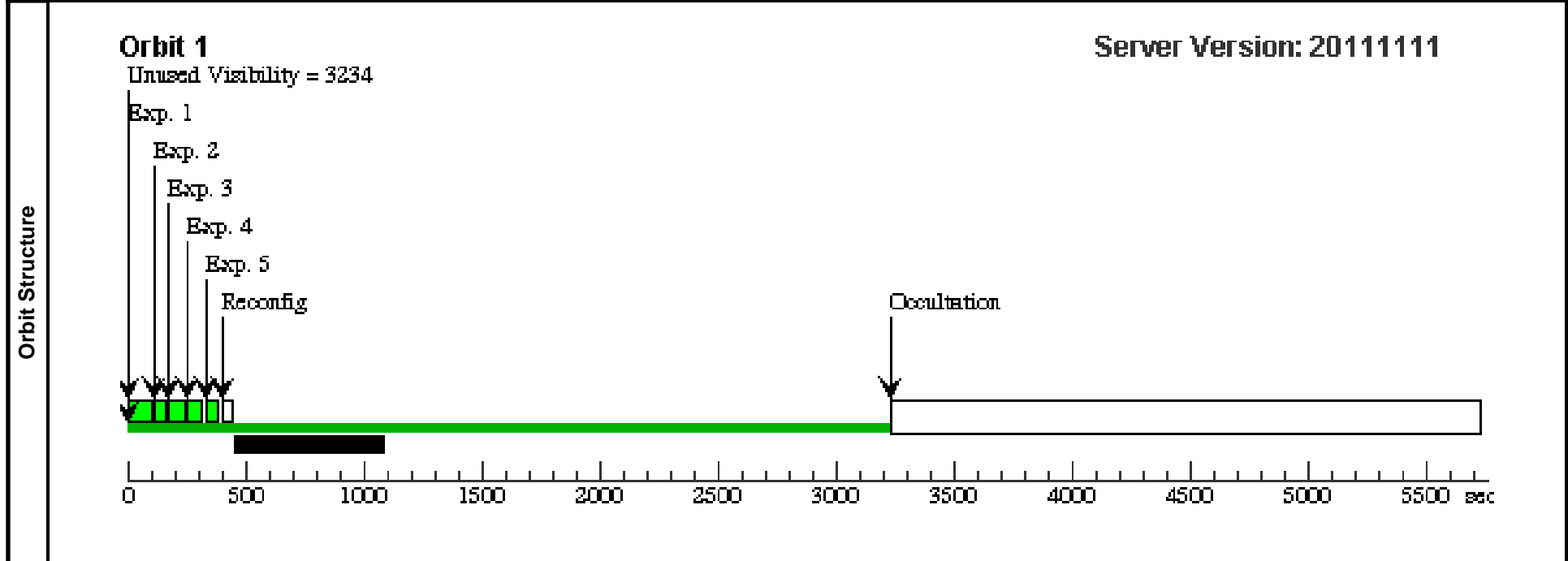


Proposal 12712 - Visit 31 - IR Internal Flats

Tue Jan 31 02:09:19 GMT 2012

Visit	Proposal 12712, Visit 31, completed								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/IR								
	Special Requirements: BETWEEN 01-NOV-2011:18:42:27 AND 01-JAN-2012:18:42:27								
	<i>Comments: Test using alternative sampling sequences.</i>								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=7; SAMP-SEQ=STEP2 5			[==>]	[1]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=4; SAMP-SEQ=SPAR S10			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=STEP2 5			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=STEP2 5			[==>]	[1]

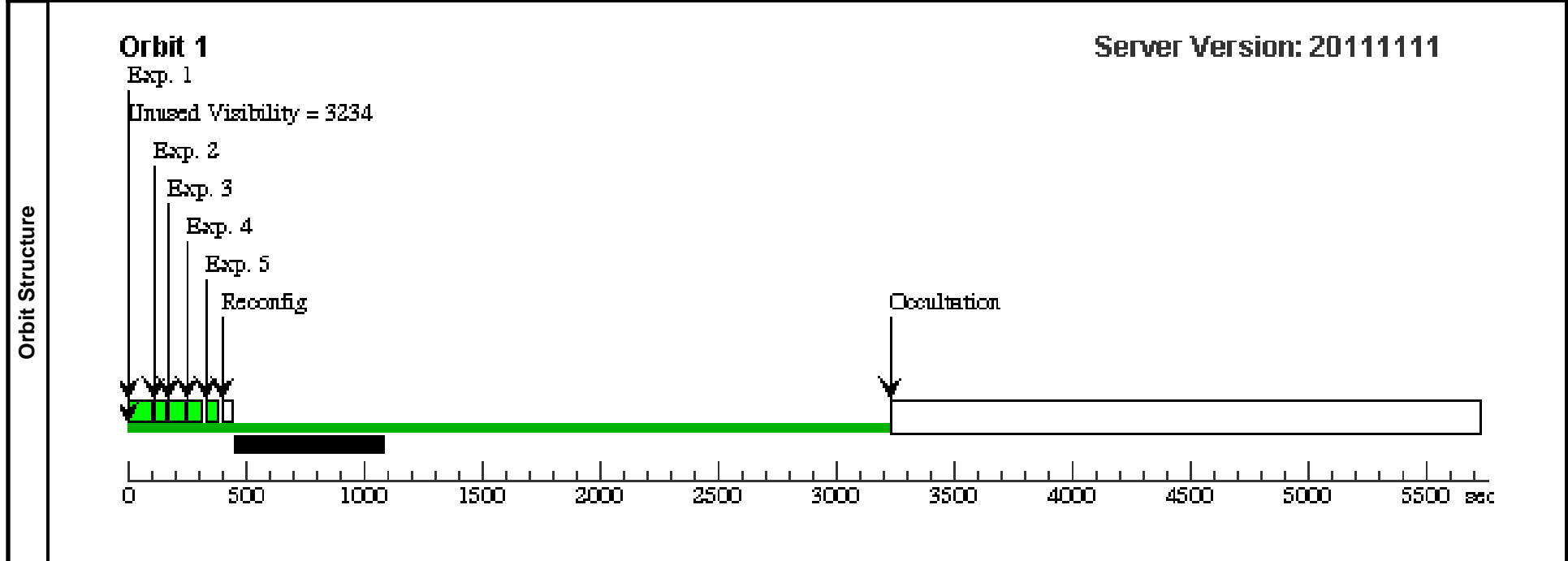


Proposal 12712 - Visit 32 - IR Internal Flats

Tue Jan 31 02:09:20 GMT 2012

Visit	Proposal 12712, Visit 32, pi Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) Comments: Test using alternative sampling sequences.								
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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=7; SAMP-SEQ=STEP2 5			[==>]	[1]
2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=4; SAMP-SEQ=SPAR S10			[==>]	[1]
3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=STEP2 5			[==>]	[1]
4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=STEP2 5			[==>]	[1]
5	F140W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=4; SAMP-SEQ=SPAR S10			[==>]	[1]



Proposal 12712 - Visit 33 - IR Internal Flats

Tue Jan 31 02:09:20 GMT 2012

Visit	Proposal 12712, Visit 33, pi Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) Comments: Test using alternative sampling sequences.								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	F105W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=7; SAMP-SEQ=STEP2 5			[==>]
	2	F110W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=4; SAMP-SEQ=SPAR S10			[==>]	[1]
	3	F160W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=STEP2 5			[==>]	[1]
	4	F125W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=6; SAMP-SEQ=STEP2 5			[==>]	[1]
	5	F140W	TUNGSTEN	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=4; SAMP-SEQ=SPAR S10			[==>]	[1]

