



## 16358 - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Cycle: 28, Proposal Category: GO

(Pure Parallel)

(Availability Mode: SUPPORTED)

### 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>
06	ANY	WFC3/IR	1	13-Apr-2022 09:00:33.0	yes
07	ANY	WFC3/IR	1	13-Apr-2022 09:00:34.0	yes
08	ANY	WFC3/IR	1	13-Apr-2022 09:00:35.0	yes
10	ANY	WFC3/IR	1	13-Apr-2022 09:00:35.0	yes
11	ANY	WFC3/IR	1	13-Apr-2022 09:00:36.0	yes

Proposal 16358 (STScI Edit Number: 1, Created: Wednesday, April 13, 2022 at 8:01:02 AM 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>
12	ANY	WFC3/IR	1	13-Apr-2022 09:00:36.0	yes
13	ANY	WFC3/IR	1	13-Apr-2022 09:00:37.0	yes
14	ANY	WFC3/IR	1	13-Apr-2022 09:00:38.0	yes
15	ANY	WFC3/IR	1	13-Apr-2022 09:00:38.0	yes
16	ANY	WFC3/IR	1	13-Apr-2022 09:00:39.0	yes
17	ANY	WFC3/IR	1	13-Apr-2022 09:00:39.0	yes
18	ANY	WFC3/IR	1	13-Apr-2022 09:00:40.0	yes
19	ANY	WFC3/IR	1	13-Apr-2022 09:00:40.0	yes
20	ANY	WFC3/IR	1	13-Apr-2022 09:00:41.0	yes
21	ANY	WFC3/IR	1	13-Apr-2022 09:00:42.0	yes
22	ANY	WFC3/IR	1	13-Apr-2022 09:00:42.0	yes
23	ANY	WFC3/IR	1	13-Apr-2022 09:00:43.0	yes
24	ANY	WFC3/IR	1	13-Apr-2022 09:00:43.0	yes
25	ANY	WFC3/IR	1	13-Apr-2022 09:00:44.0	yes
26	ANY	WFC3/IR	1	13-Apr-2022 09:00:45.0	yes
27	ANY	WFC3/IR	1	13-Apr-2022 09:00:45.0	yes
28	ANY	WFC3/IR	1	13-Apr-2022 09:00:46.0	yes
29	ANY	WFC3/IR	1	13-Apr-2022 09:00:46.0	yes
30	ANY	WFC3/IR	1	13-Apr-2022 09:00:47.0	yes
41	ANY	WFC3/IR	1	13-Apr-2022 09:00:47.0	yes
42	ANY	WFC3/IR	1	13-Apr-2022 09:00:48.0	yes
46	ANY	WFC3/IR	1	13-Apr-2022 09:00:49.0	yes
47	ANY	WFC3/IR	1	13-Apr-2022 09:00:49.0	yes
43	ANY	WFC3/IR	1	13-Apr-2022 09:00:50.0	yes
44	ANY	WFC3/IR	1	13-Apr-2022 09:00:51.0	yes

Proposal 16358 (STScI Edit Number: 1, Created: Wednesday, April 13, 2022 at 8:01:02 AM 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>
31	ANY	WFC3/IR	1	13-Apr-2022 09:00:51.0	yes
48	ANY	WFC3/IR	1	13-Apr-2022 09:00:52.0	yes
52	ANY	WFC3/IR	1	13-Apr-2022 09:00:52.0	yes
49	ANY	WFC3/IR	1	13-Apr-2022 09:00:53.0	yes
53	ANY	WFC3/IR	1	13-Apr-2022 09:00:54.0	yes
50	ANY	WFC3/IR	1	13-Apr-2022 09:00:54.0	yes
51	ANY	WFC3/IR	1	13-Apr-2022 09:00:55.0	yes
37	ANY	WFC3/IR	1	13-Apr-2022 09:00:55.0	yes
45	ANY	WFC3/IR	1	13-Apr-2022 09:00:56.0	yes
38	ANY	WFC3/IR	1	13-Apr-2022 09:00:57.0	yes
39	ANY	WFC3/IR	1	13-Apr-2022 09:00:57.0	yes
32	ANY	WFC3/IR	1	13-Apr-2022 09:00:58.0	yes
40	ANY	WFC3/IR	1	13-Apr-2022 09:00:58.0	yes
34	ANY	WFC3/IR	1	13-Apr-2022 09:00:59.0	yes
35	ANY	WFC3/IR	1	13-Apr-2022 09:00:59.0	yes
36	ANY	WFC3/IR	1	13-Apr-2022 09:01:00.0	yes
54	ANY	WFC3/IR	1	13-Apr-2022 09:01:01.0	yes
55	ANY	WFC3/IR	1	13-Apr-2022 09:01:01.0	yes

48 Total Orbits Used

**ABSTRACT**

The tension in the value of the Hubble constant as derived from the distance scale in the local universe and modeled from the anisotropies in the Cosmic Microwave Background continues to grow. While theoretical reasons for the tension are being explored, determining if systematics within rungs of the distance scale is the cause of the tension requires the use of independent techniques. Of late the tip of the red giant branch (TRGB) has provided a key test of the calibration of type supernova Ia by Cepheids and has not yet revealed a systematic effect at this stage. Another concern is both expanding the Supernova Ia calibration sample, itself, and expanding the sample beyond star-forming hosts due to variance in the supernova

Proposal 16358 (STScI Edit Number: 1, Created: Wednesday, April 13, 2022 at 8:01:02 AM Eastern Standard Time) - Overview with host properties. The TRGB applied in the infrared is poised to be a powerful tool to probe ever larger volumes and reach a wider set of supernova Ia hosts. However, anchoring the IR-TRGB is challenging because the two primary systems, the Milky Way and the Large Magellanic Cloud, only have observations in the 2MASS filter system. Comparison of IR-TRGB calibrations from the ground suggests that there are strong differences between the WFC3/IR and 2MASS filter system that are hard to reconcile at distance-ladder required precision. Here pure parallel orbits in Large and Small Magellanic Cloud are proposed to produce a robust filter-calibration to secure the foundation for the IR-TRGB distance scale. The proposal uses a combination of IR imaging and spectroscopy to enable a broader set of calibrations for other facilities where the IR-TRGB can be applied.

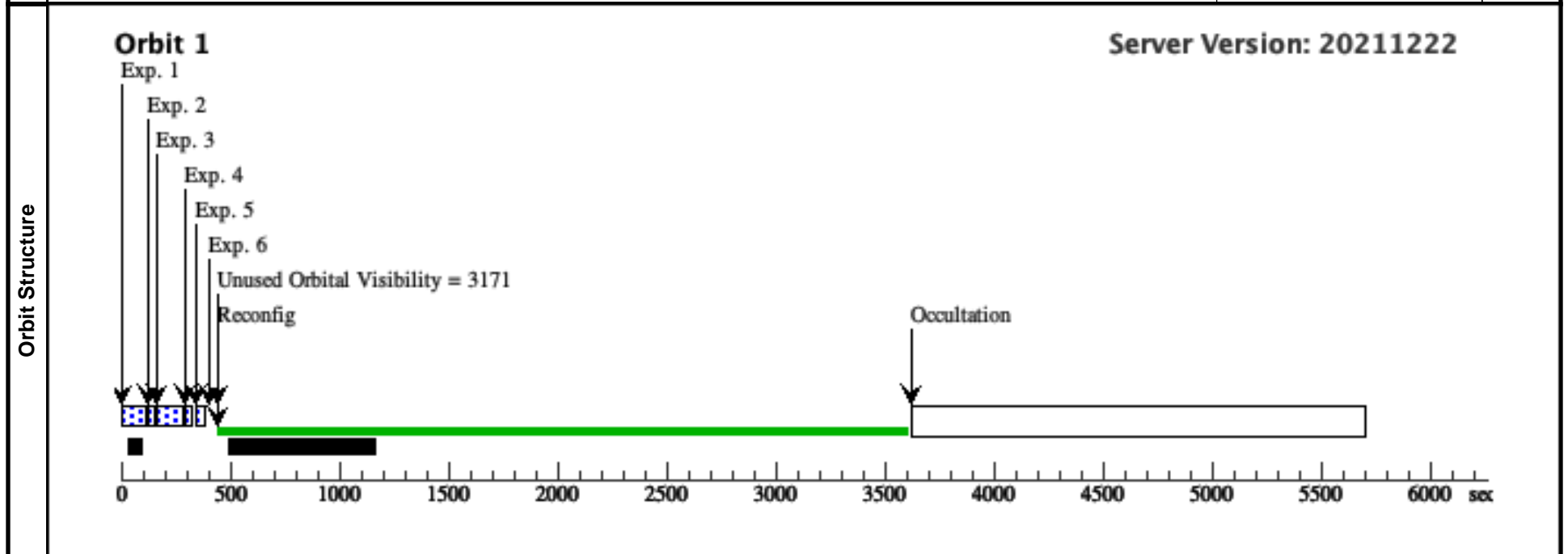
### **OBSERVING DESCRIPTION**

This proposal observes with WFC3/IR in pure parallel mode. It will attempt to obtain 3-band photometry using the shortest exposures possible and 2-grisms for a set of fields in the LMC and SMC. The observations will have multiple reads to help with random errors and multi-visit fields will be used to constrain systematic errors. The specifications of MULTIACCUM are set to keep the targets from saturating and, if possible, minimize the systematics due to persistence and non-linearity.

Proposal 16358 - Visit 06 (CVSO-146 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

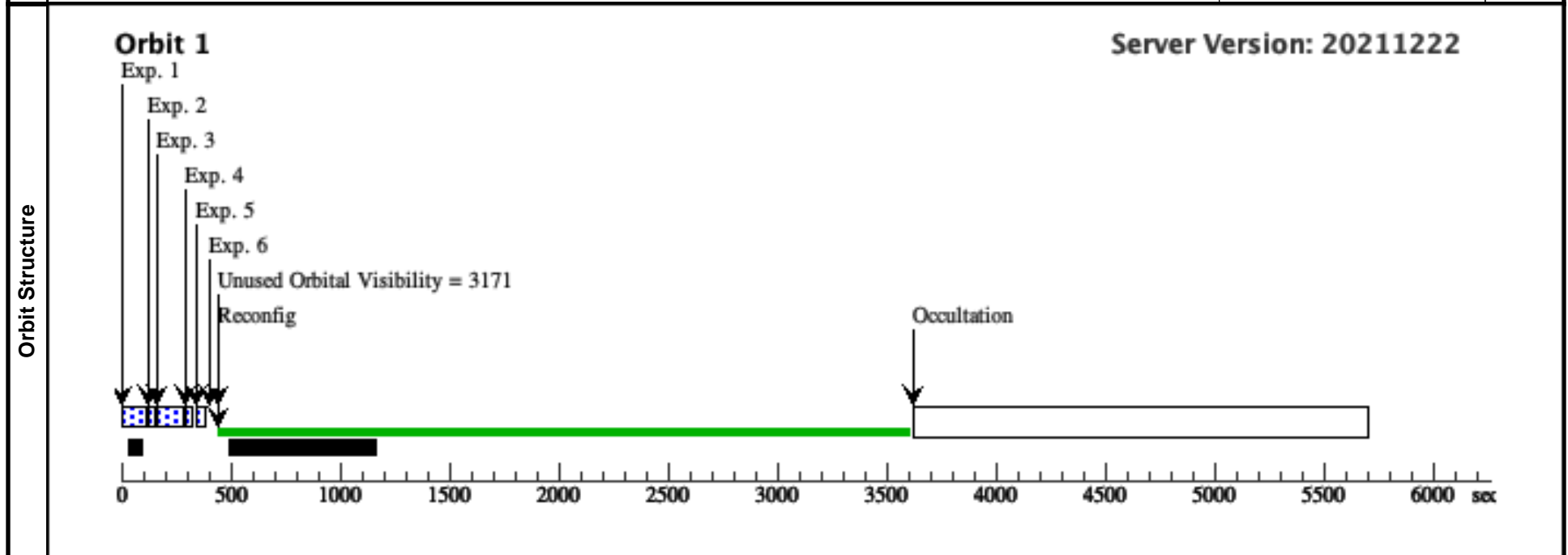
Visit	Proposal 16358, Visit 06, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		[?]



Proposal 16358 - Visit 07 (SO-518 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

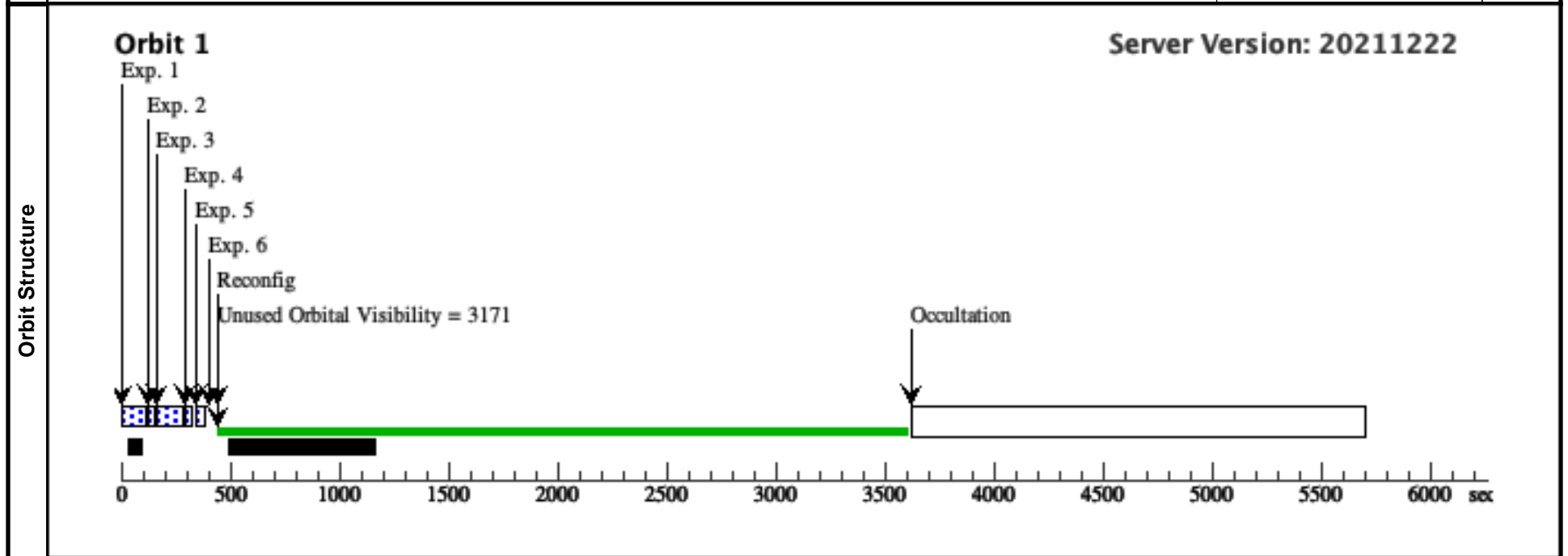
Visit	Proposal 16358, Visit 07, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]		[?]



Proposal 16358 - Visit 08 (SO-583 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

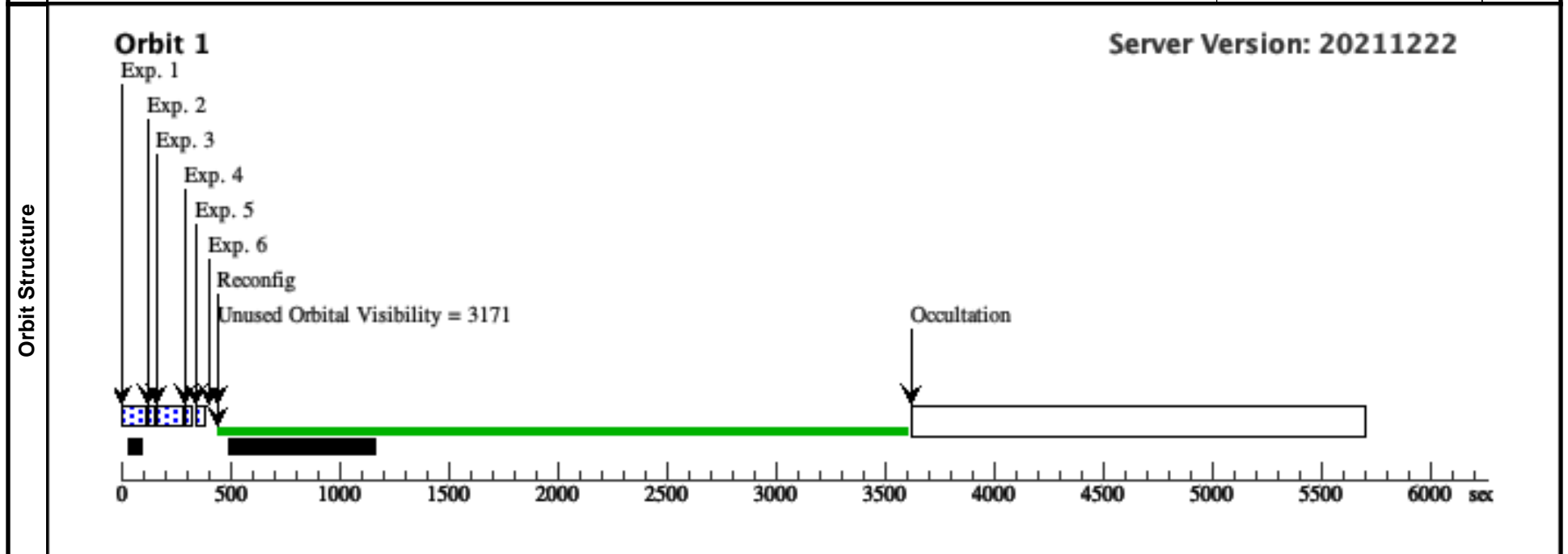
Visit	Proposal 16358, Visit 08, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 10 (SO-1153 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

Visit	Proposal 16358, Visit 10, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]	[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]	[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]	[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]	[?]

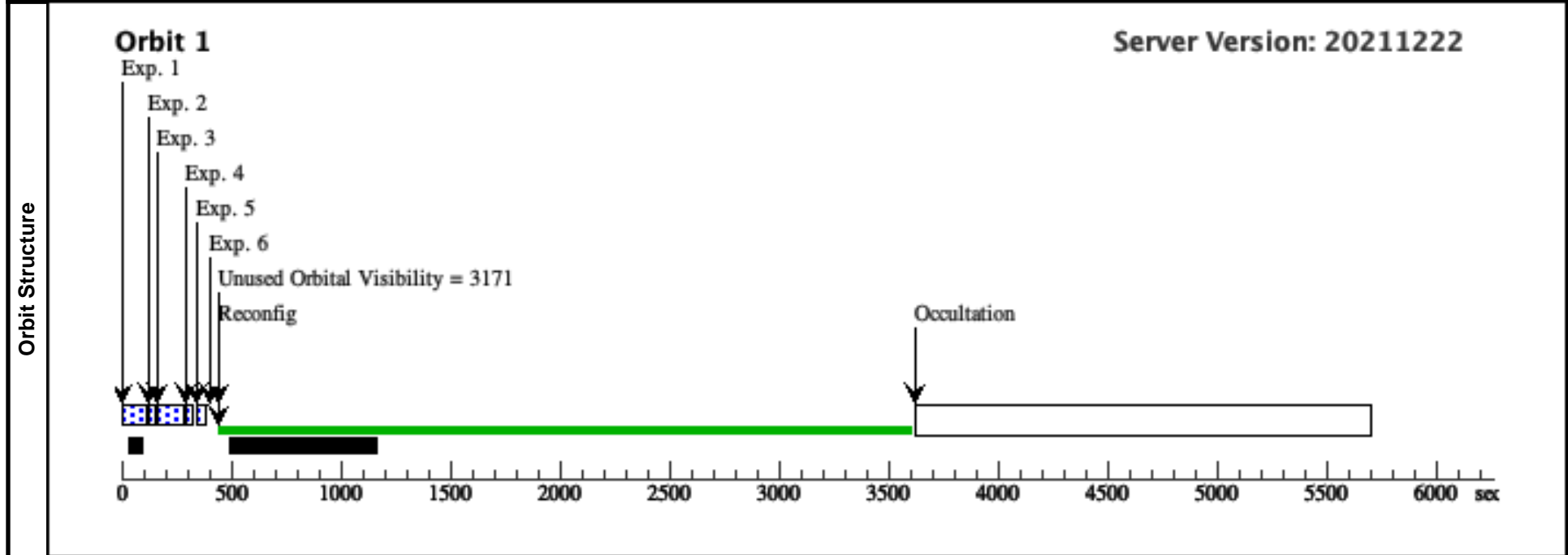


Proposal 16358 - Visit 11 (CVSO-107 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 11, withdrawn</b>									
	<b>Diagnostic Status: No Diagnostics</b>									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									

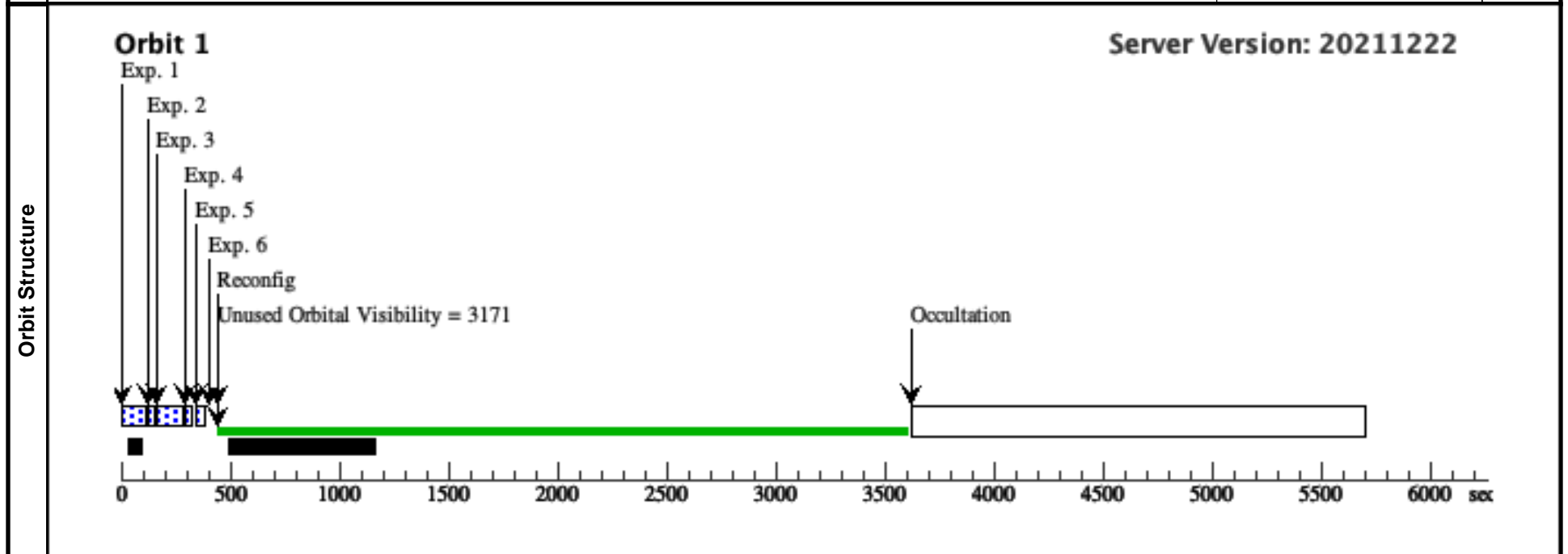
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 12 (CVSO-58 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

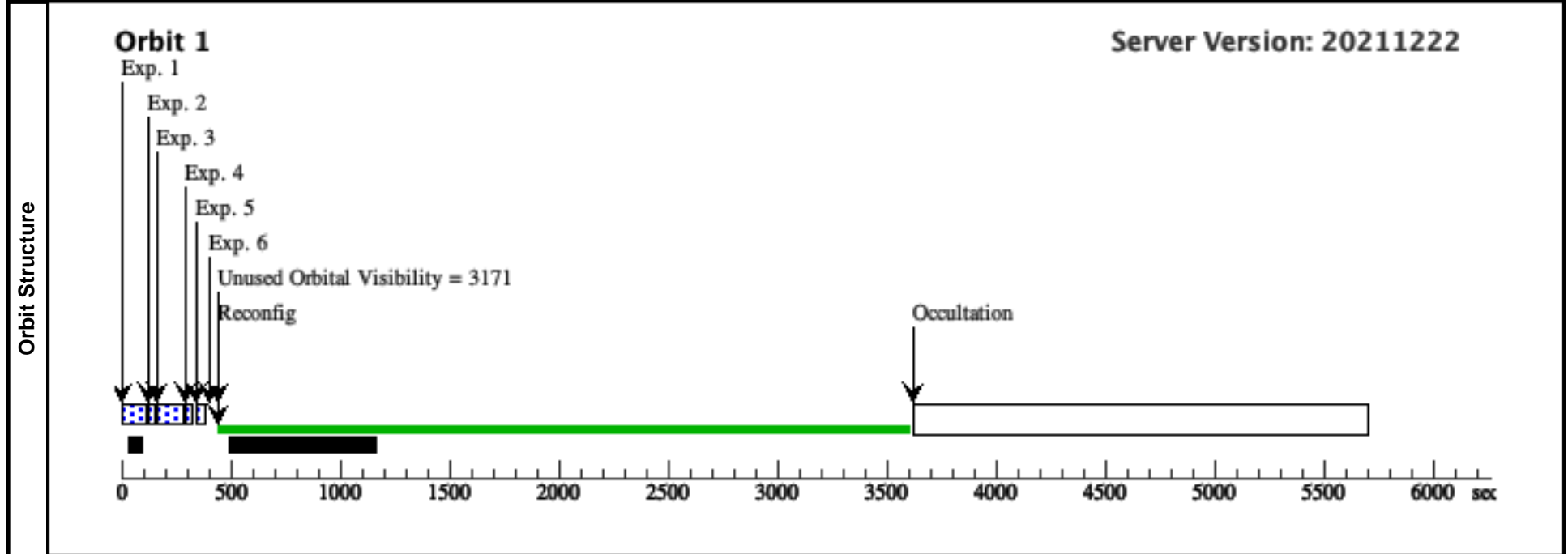
Visit	Proposal 16358, Visit 12, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]



Proposal 16358 - Visit 13 (CVSO-90 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

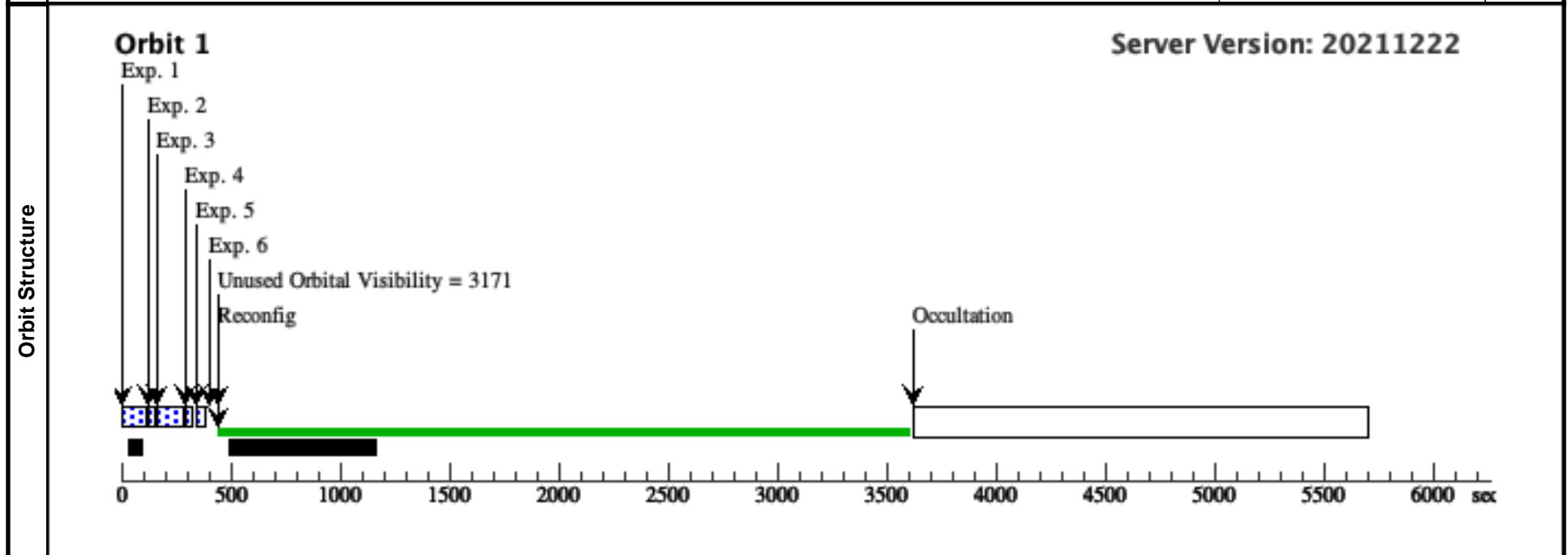
Visit	Proposal 16358, Visit 13, withdrawn										
	Diagnostic Status: No Diagnostics										
Scientific Instruments: WFC3/IR											
Special Requirements: (none)											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25				77.933836 Secs (77.934 Secs) [==>]	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID				14.661455 Secs (14.661 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25				102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID				20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID				11.729164 Secs (11.729 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID				14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 14 (CVSO-165 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

Visit	Proposal 16358, Visit 14, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		[?]

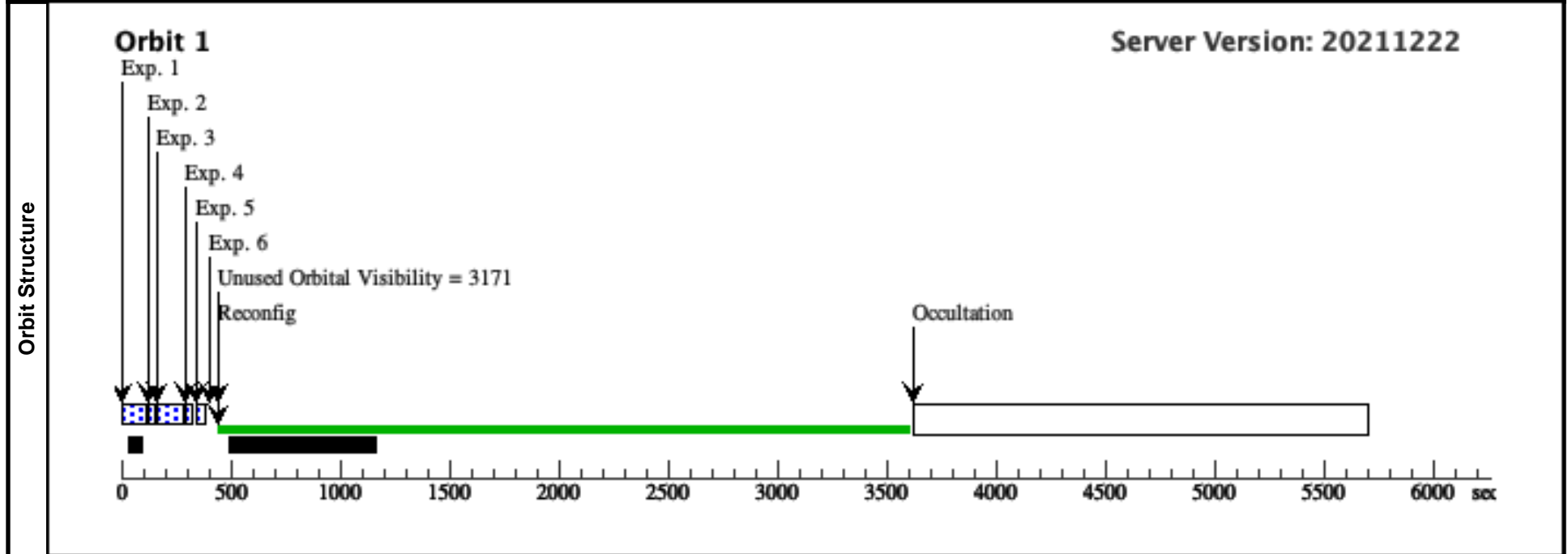


Proposal 16358 - Visit 15 (CVSO-104 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 15, withdrawn</b>									
	<b>Diagnostic Status: No Diagnostics</b>									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									

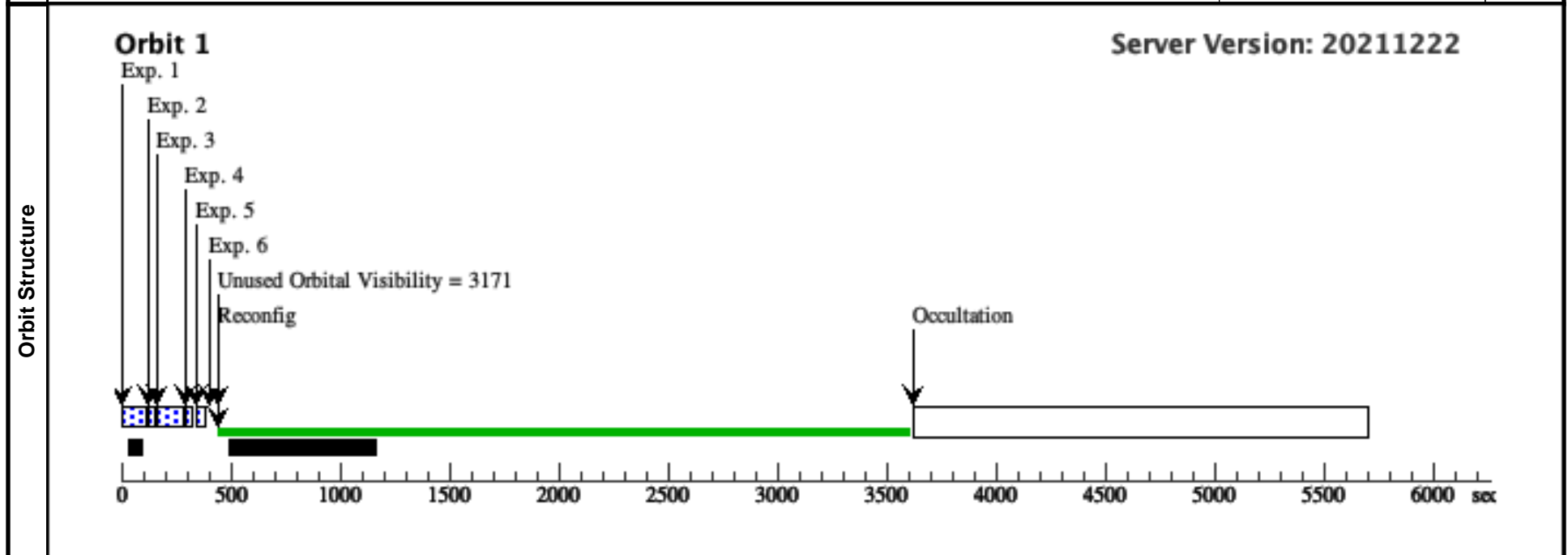
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 16 (CVSO-17 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

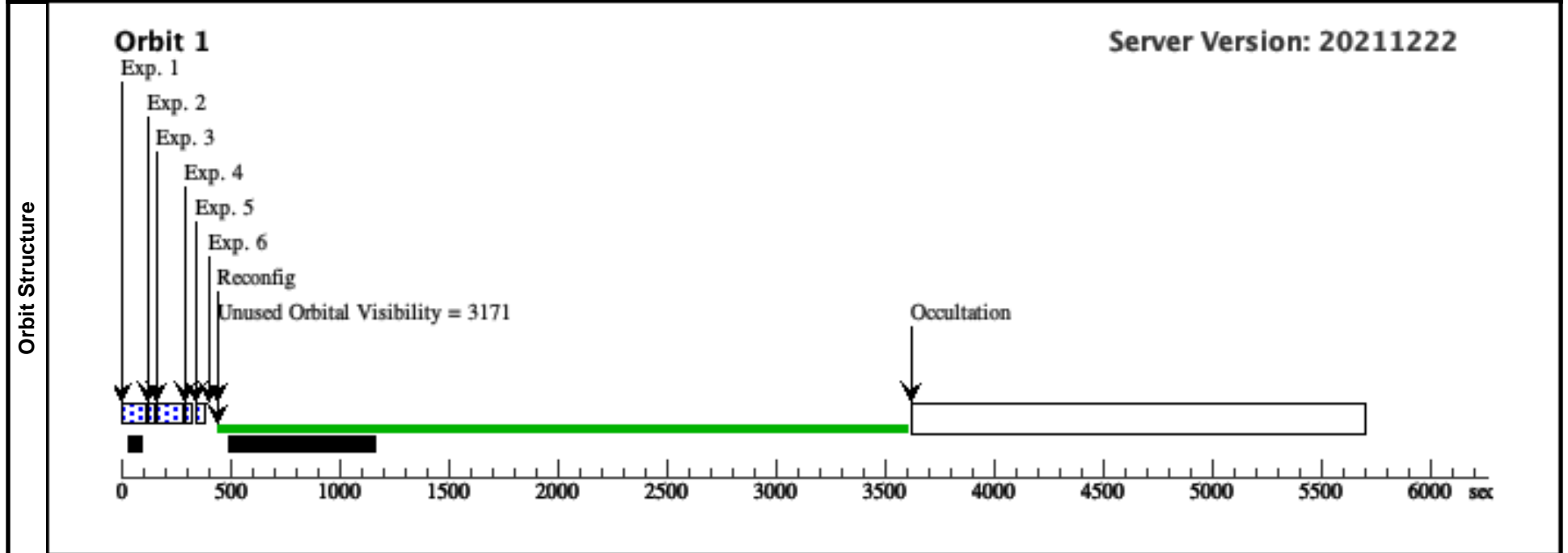
Visit	Proposal 16358, Visit 16, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]



Proposal 16358 - Visit 17 (CVSO-176 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

Visit	Proposal 16358, Visit 17, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]

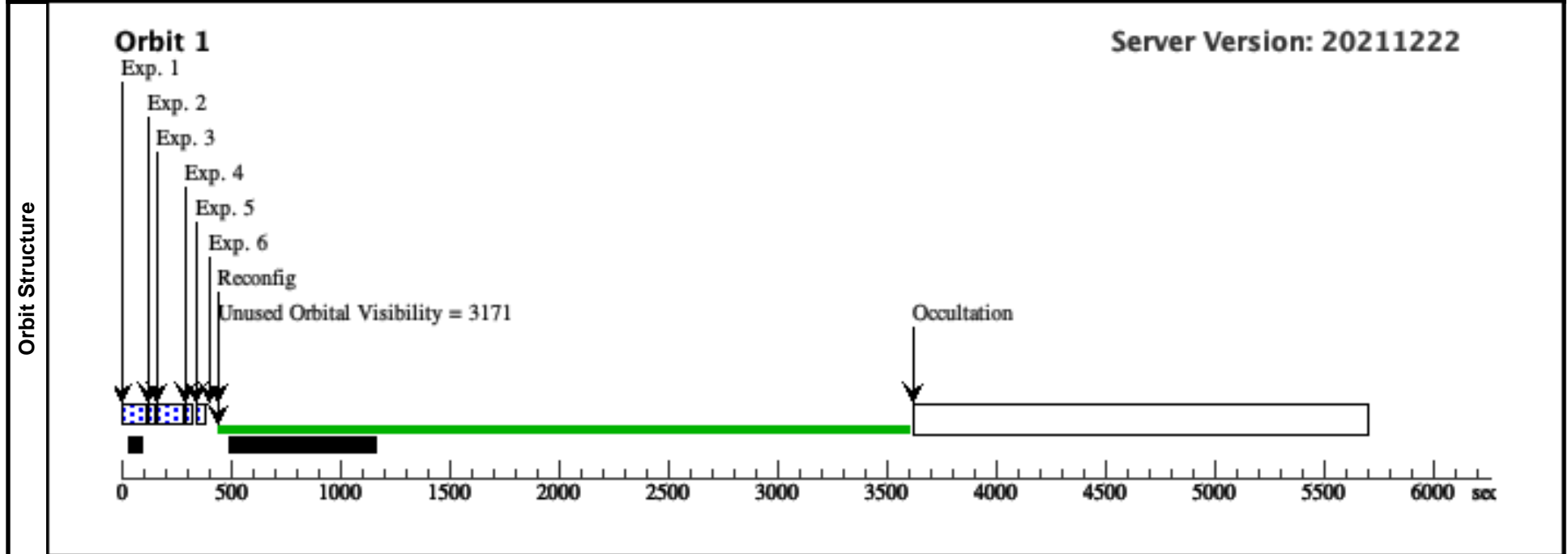


Proposal 16358 - Visit 18 (CVSO-109 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:02 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 18, withdrawn</b>									
	<b>Diagnostic Status: No Diagnostics</b>									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

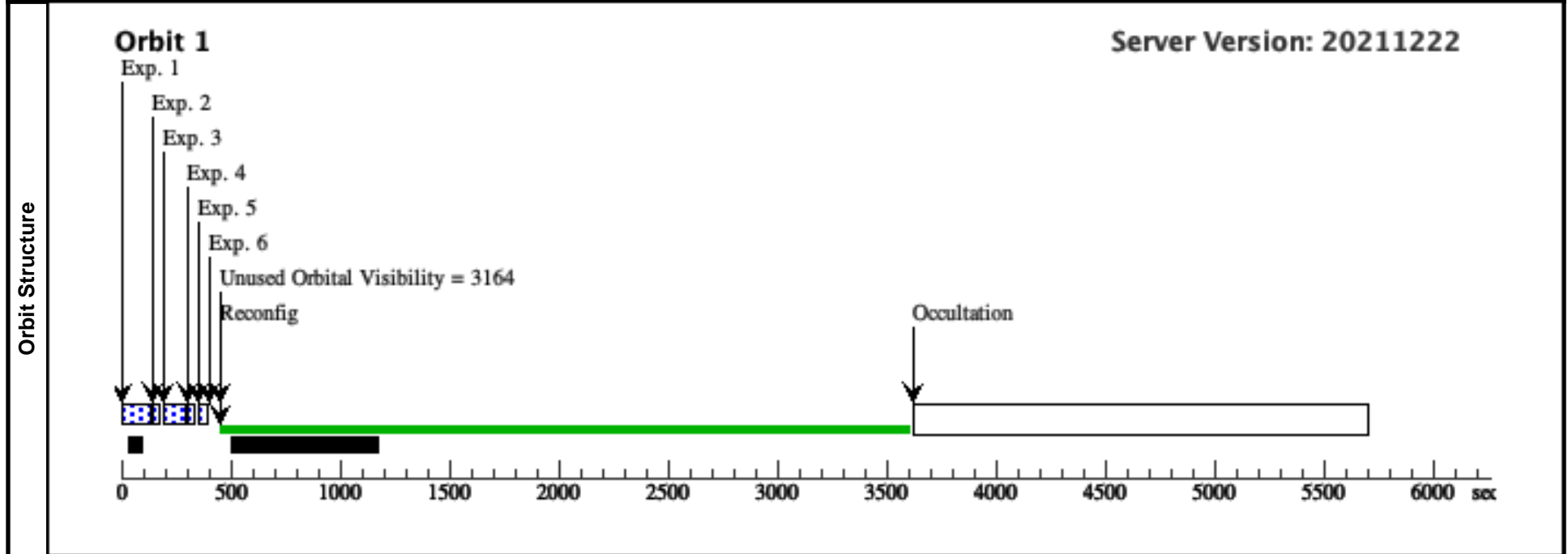


Proposal 16358 - Visit 19 (CVSO-109 Parallel2) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 19, withdrawn</b>									
	<b>Diagnostic Status: No Diagnostics</b>									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									

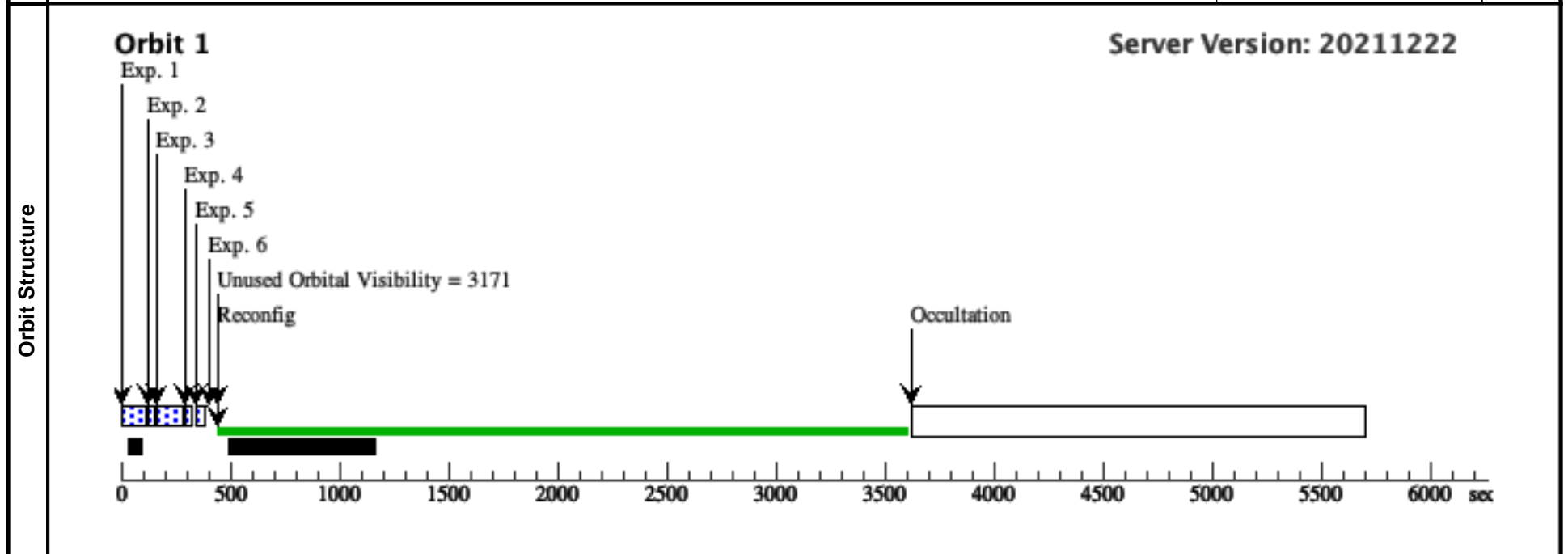
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
	4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 20 (CVSO-36 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

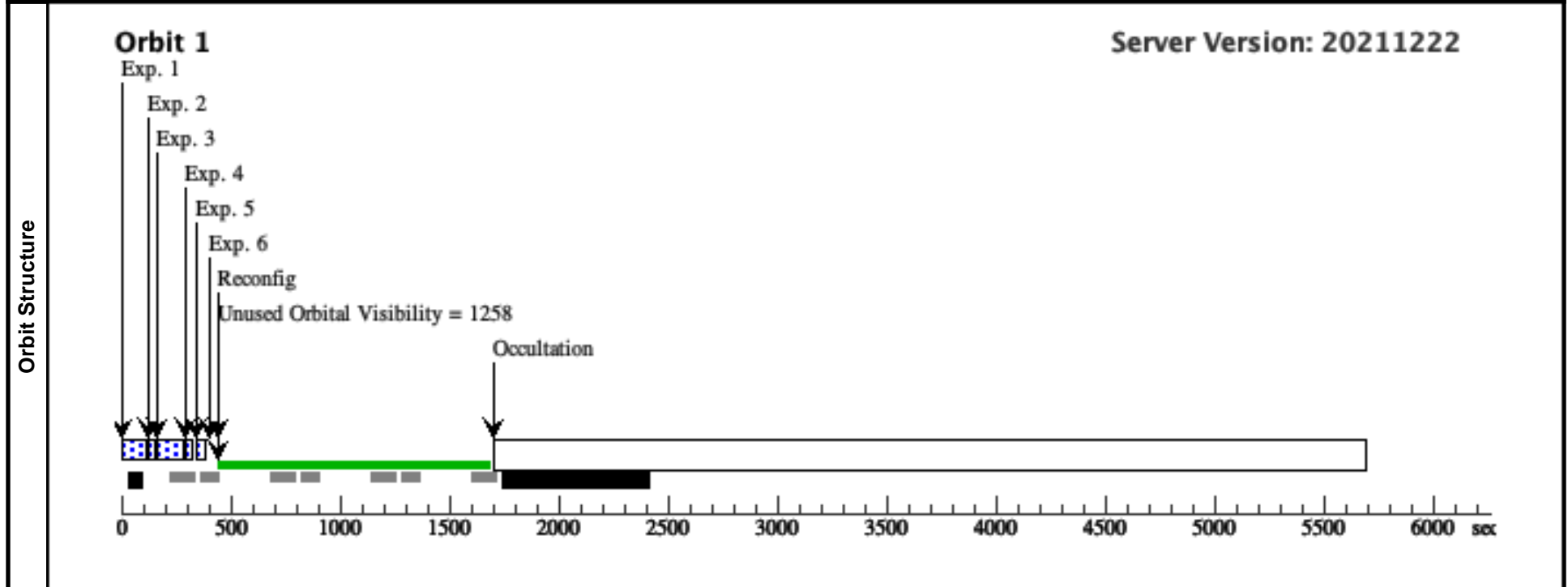
Visit	Proposal 16358, Visit 20, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]



Proposal 16358 - Visit 21 (V-TW-HYA Parallel1a) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

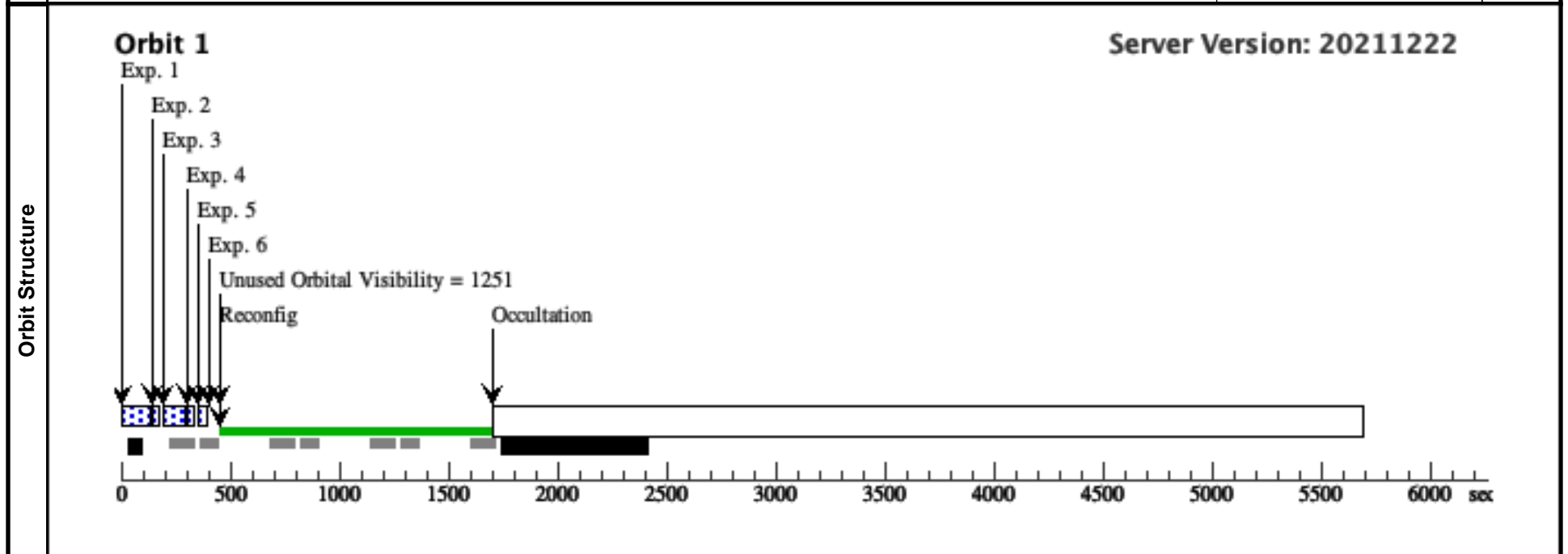
Visit	Proposal 16358, Visit 21, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]



Proposal 16358 - Visit 22 (V-TW-HYA Parallel2a) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

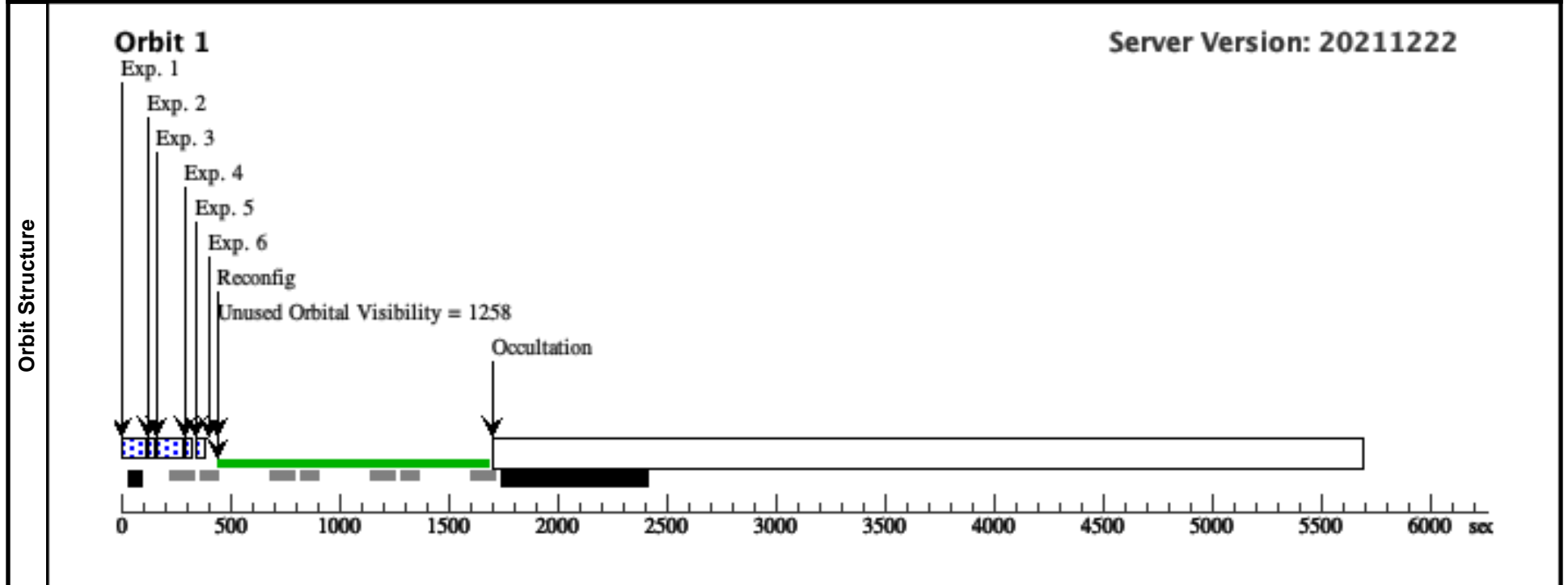
Visit	Proposal 16358, Visit 22, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]



Proposal 16358 - Visit 23 (V-TW-HYA Parallel1b) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

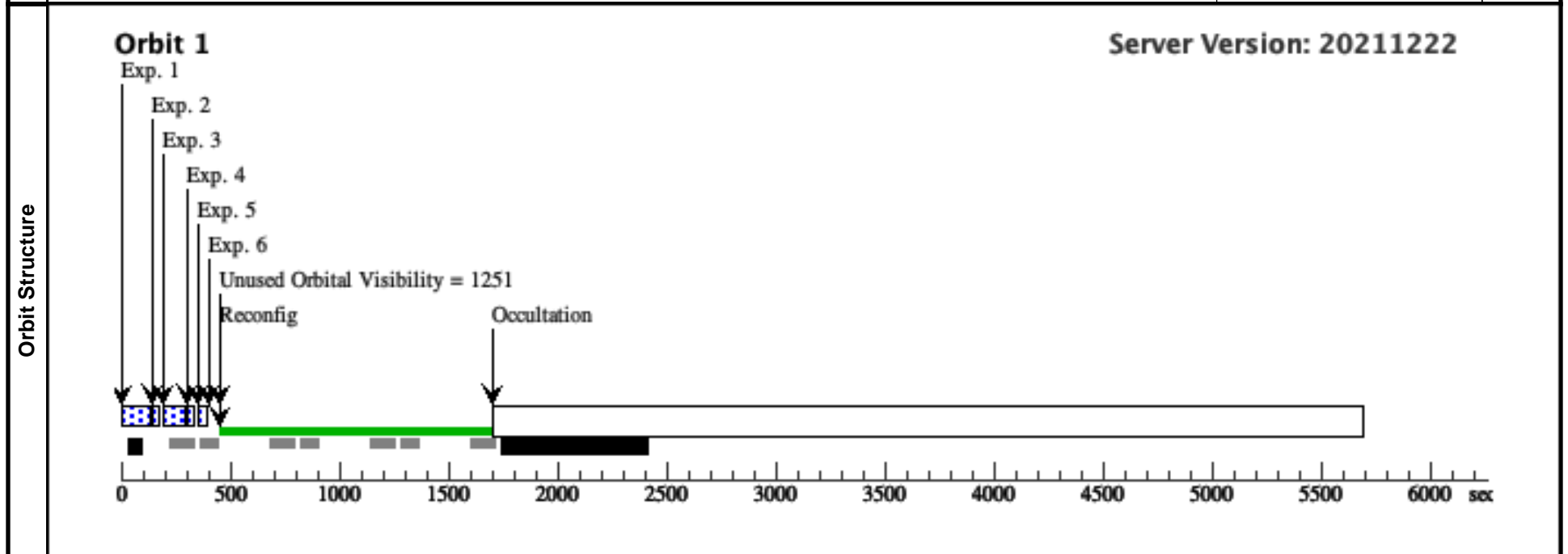
Visit	Proposal 16358, Visit 23, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]



Proposal 16358 - Visit 24 (V-TW-HYA Parallel2b) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

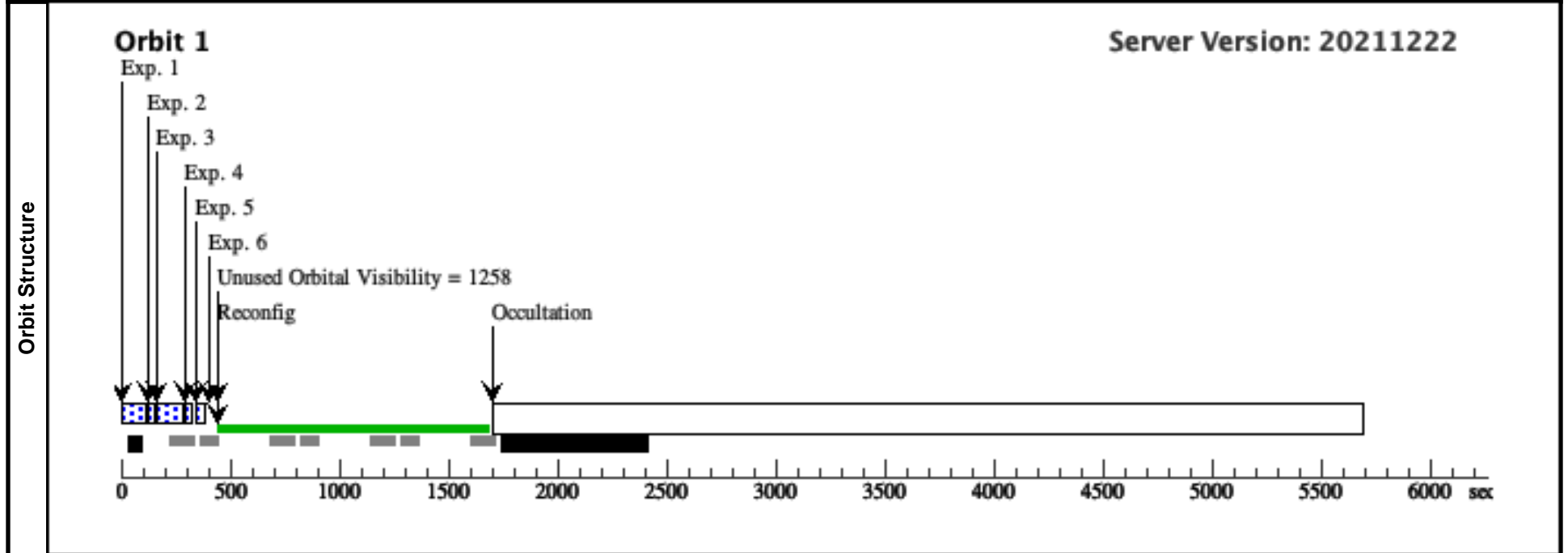
Visit	Proposal 16358, Visit 24, withdrawn										
	Diagnostic Status: No Diagnostics										
Scientific Instruments: WFC3/IR											
Special Requirements: (none)											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25				102.934351 Secs (102.934 Secs) [==>]	[?]
	2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID				20.526037 Secs (20.526 Secs) [==>]	[?]
	3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25				77.933836 Secs (77.934 Secs) [==>]	[?]
	4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID				14.661455 Secs (14.661 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID				11.729164 Secs (11.729 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID				14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 25 (V-TW-HYA Parallel1c) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

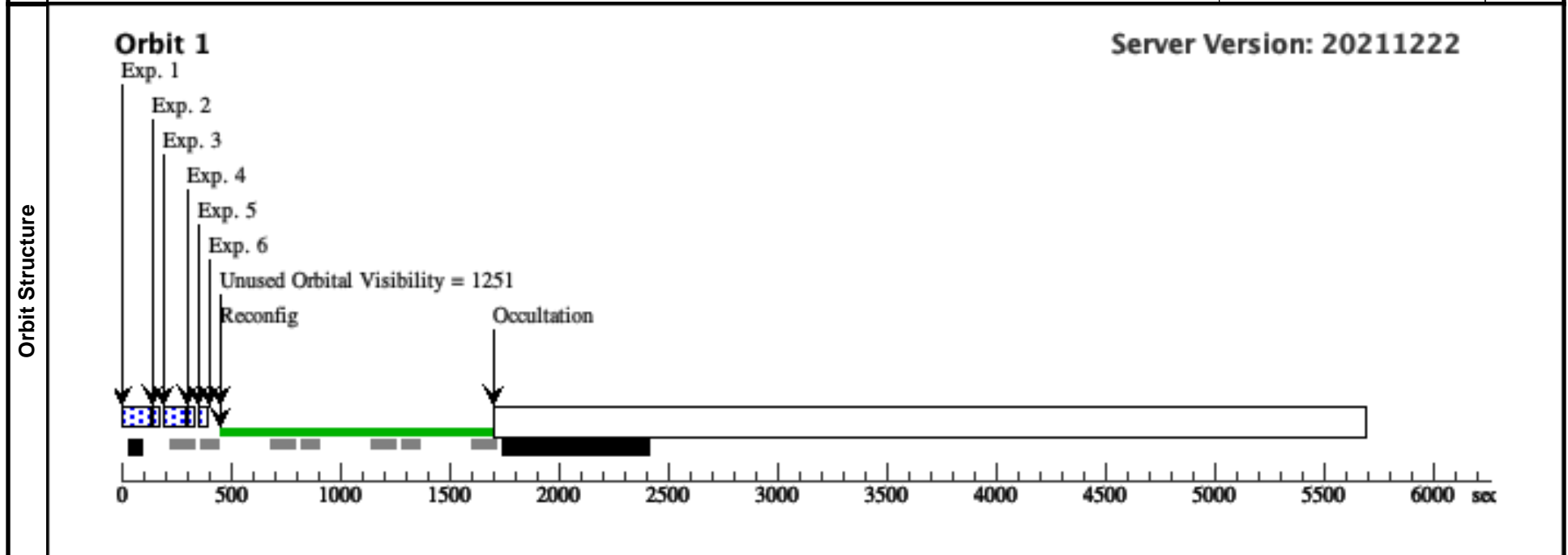
Visit	Proposal 16358, Visit 25, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]



Proposal 16358 - Visit 26 (V-TW-HYA Parallel2c) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

Visit	Proposal 16358, Visit 26, withdrawn									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]
	2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]
	3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]
	4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs)	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]

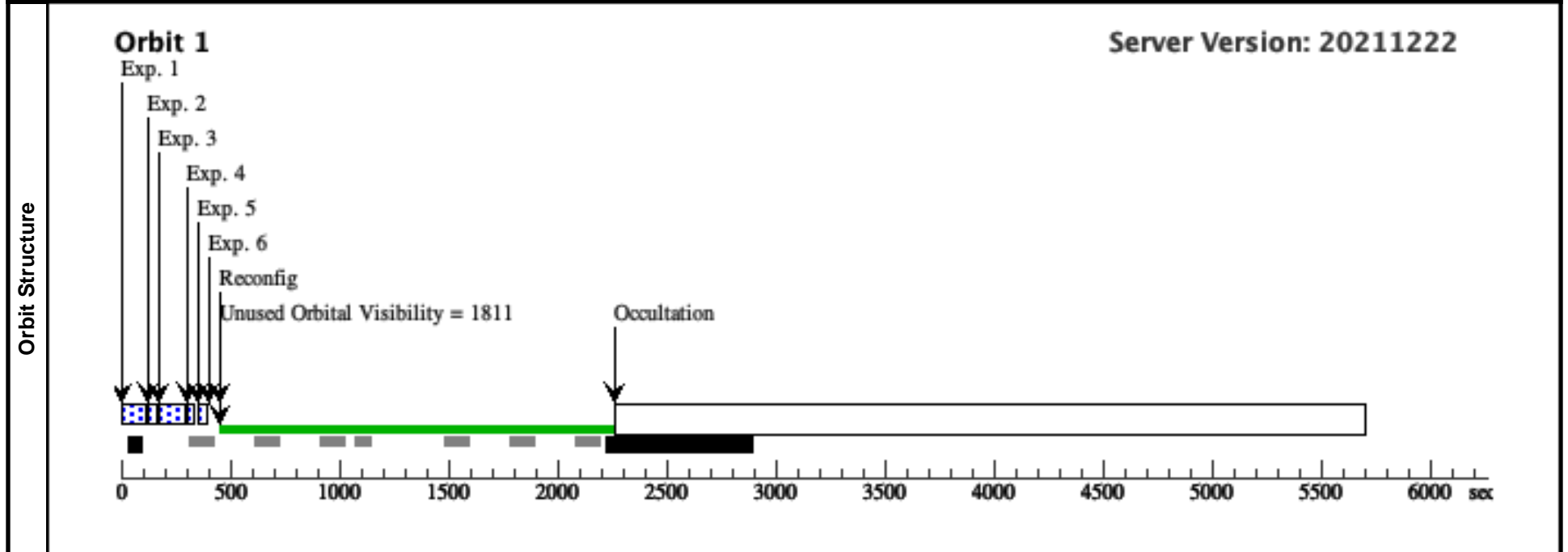


Proposal 16358 - Orbit1 (27) (N11-ELS-060 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Orbit1 (27), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 6 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=6; SAMP-SEQ=RAPID			17.593746 Secs (17.594 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

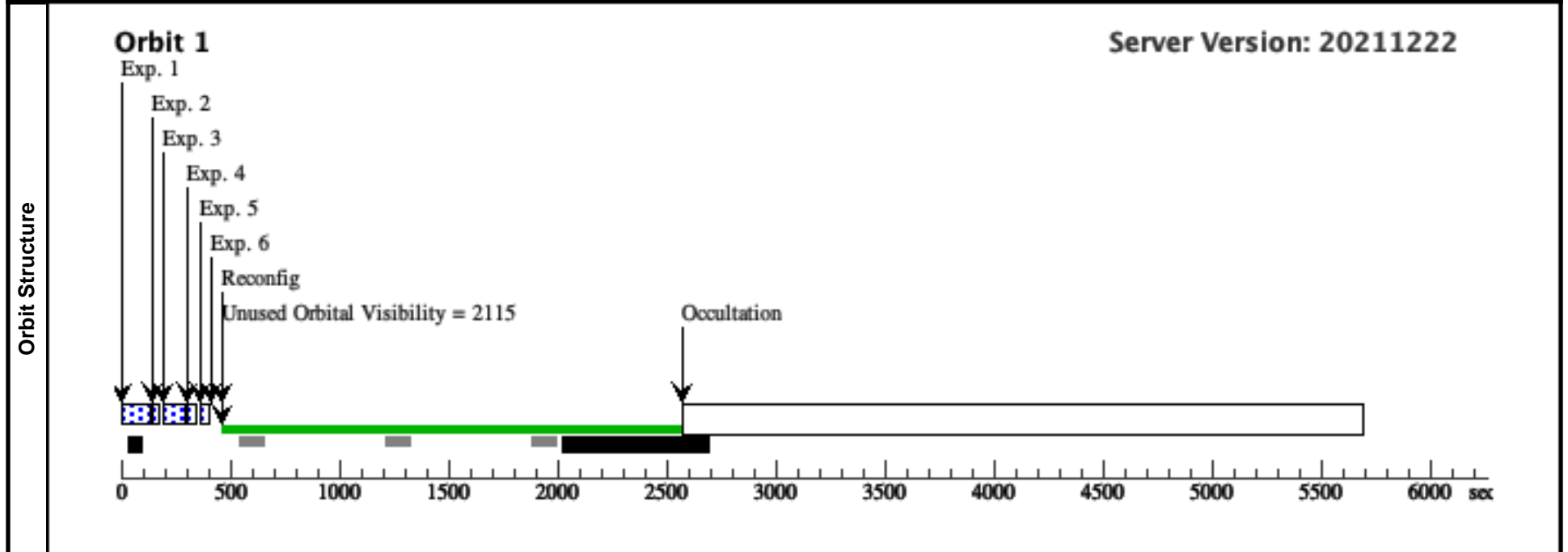


Proposal 16358 - Orbit2 (28) (N11-ELS-060 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

**Visit**  
**Proposal 16358, Orbit2 (28), completed**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 6 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last. The timing of the H and J img+grism is flipped in the 2nd visit to test for sub-orbit systematics. Additionally, this orbit tests the F153M exposure configuration of 2 reads with SPARS10 instead of 3 with SPARS5, with the additional read returned to the F160W exposure.*

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

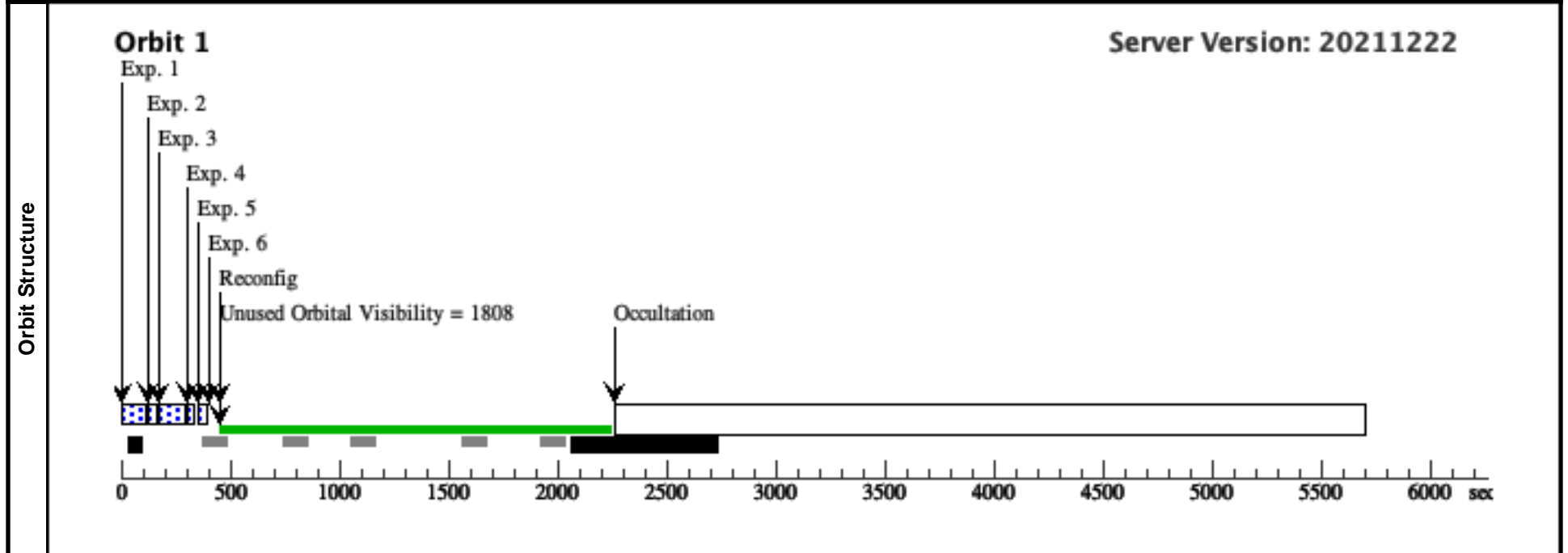


Proposal 16358 - Orbit1 (29) (ST92-5-27 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Orbit1 (29), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

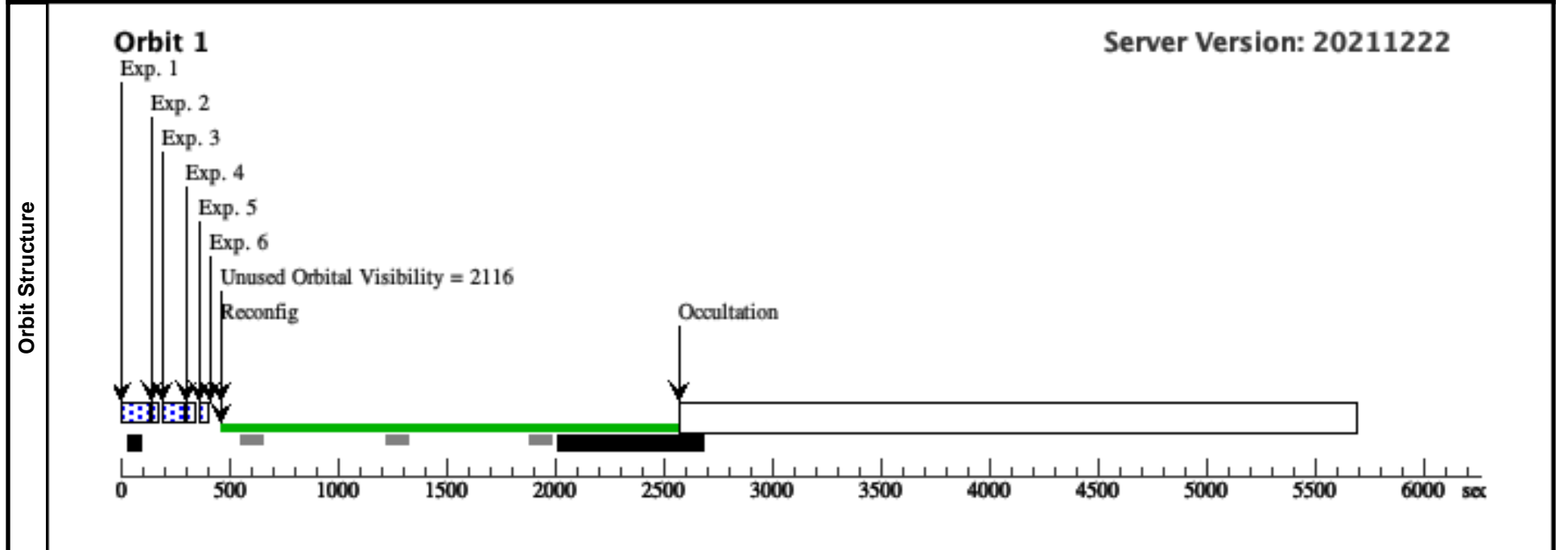


Proposal 16358 - Orbit2 (30) (ST92-5-27 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

**Visit**  
**Proposal 16358, Orbit2 (30), completed**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last. The timing of the H and J img+grism is flipped in the 2nd visit to test for sub-orbit systematics. Additionally, this orbit tests the F153M exposure configuration of 3 reads with SPARS5 instead of 2 with SPARS10, with the additional read taken from the F125W exposure.*

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=6; SAMP-SEQ=RAPID			17.593746 Secs (17.594 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

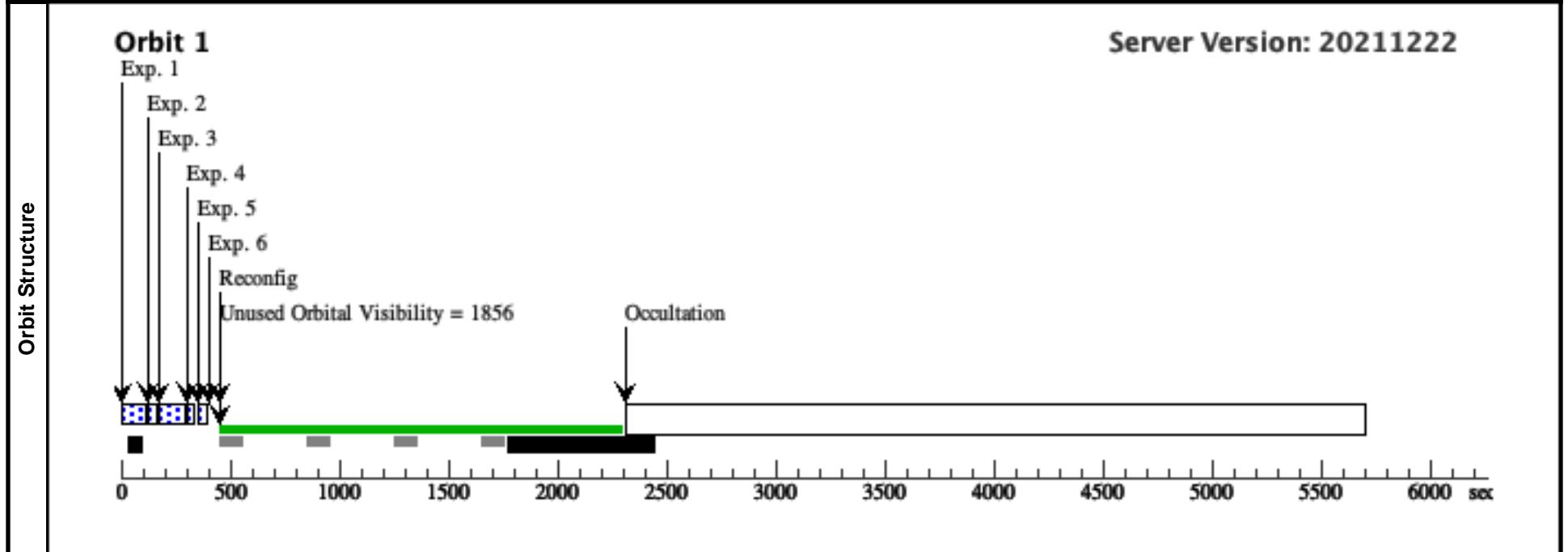


Proposal 16358 - Orbit1 (41) (AV85 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Orbit1 (41), failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

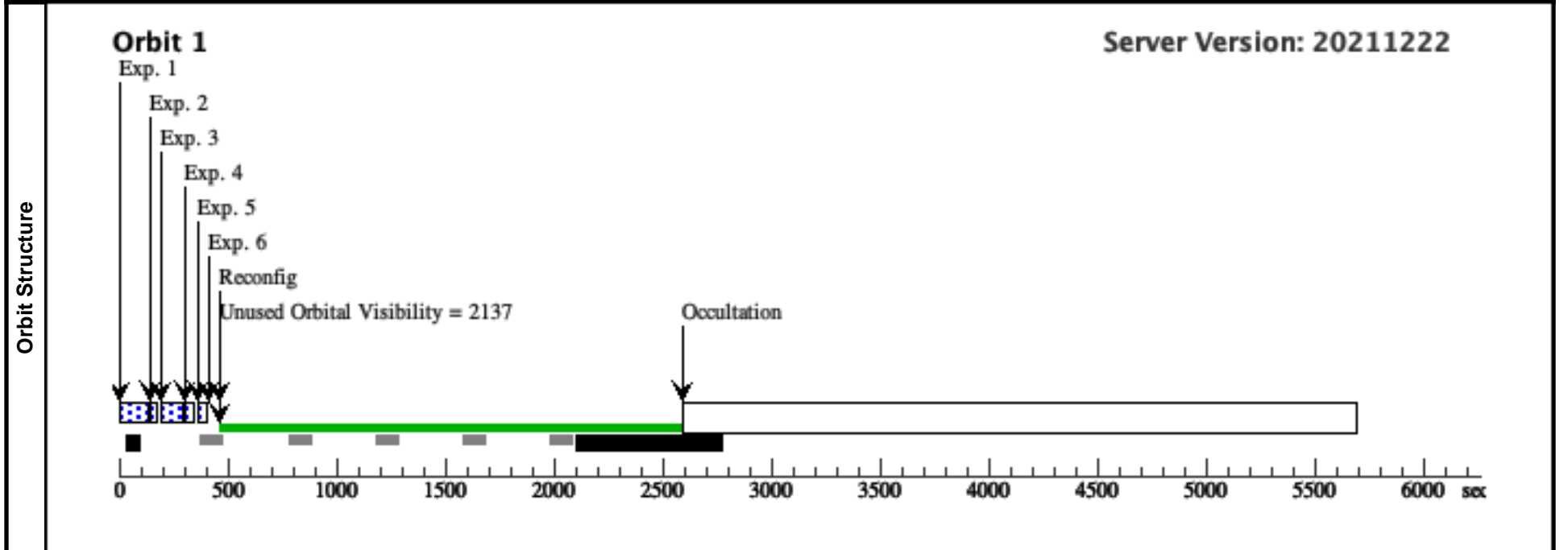
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Orbit2 (42) (AV85 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

Visit	Proposal 16358, Orbit2 (42), failed									
	Diagnostic Status: No Diagnostics									
Exposures	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
<i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last. The timing of the H and J img+grism is flipped in the 2nd visit to test for sub-orbit systematics. Additionally, this orbit tests the F153M exposure configuration of 3 reads with SPARS5 instead of 2 with SPARS10, with the additional read taken from the F125W exposure.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]	[?]
2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]	[?]
3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]	[?]
4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=6; SAMP-SEQ=RAPID			17.593746 Secs (17.594 Secs)	[?]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs)	[?]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]	[?]

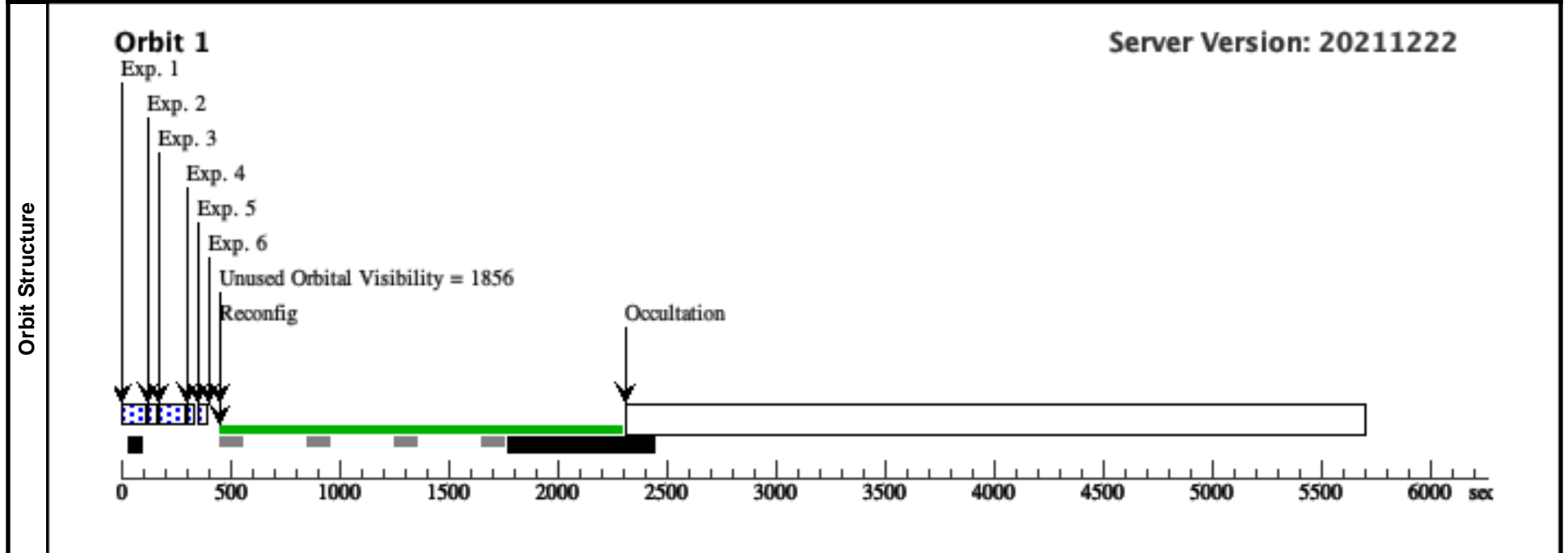


Proposal 16358 - Orbit1 (46) (AV85 Parallel redo) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Orbit1 (46), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>							

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

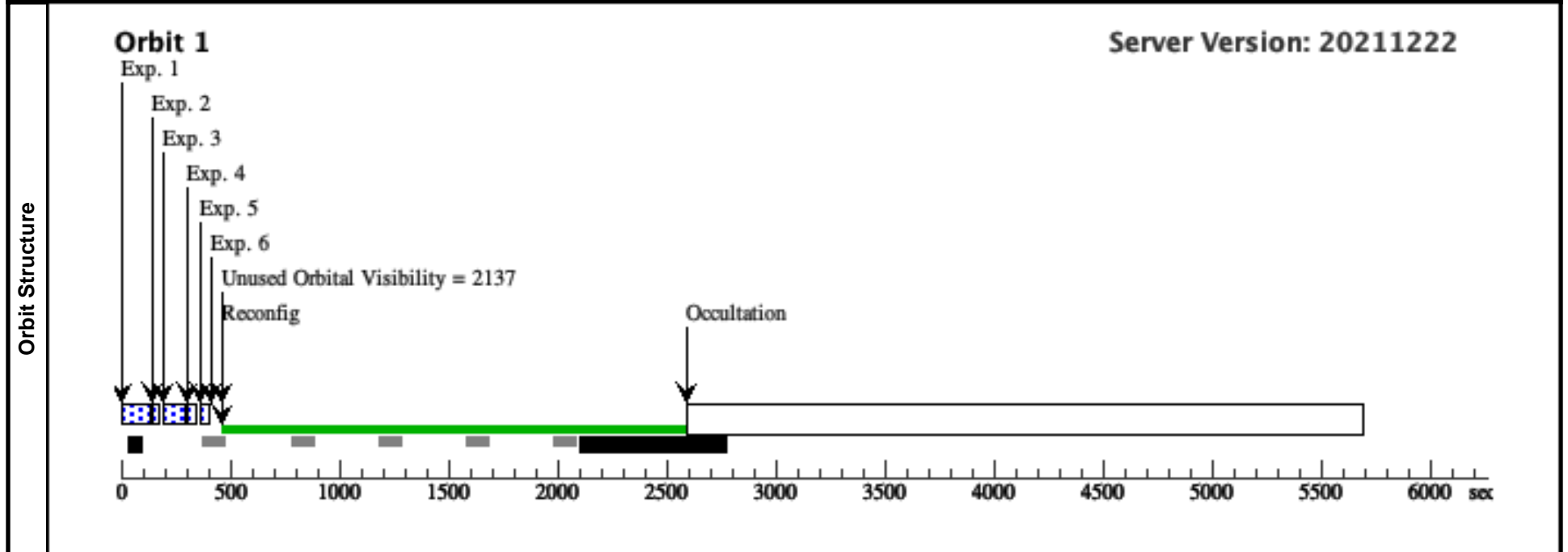


Proposal 16358 - Orbit2 (47) (AV85 Parallel redo) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

**Visit**  
**Proposal 16358, Orbit2 (47), completed**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last. The timing of the H and J img+grism is flipped in the 2nd visit to test for sub-orbit systematics. Additionally, this orbit tests the F153M exposure configuration of 3 reads with SPARS5 instead of 2 with SPARS10, with the additional read taken from the F125W exposure.*

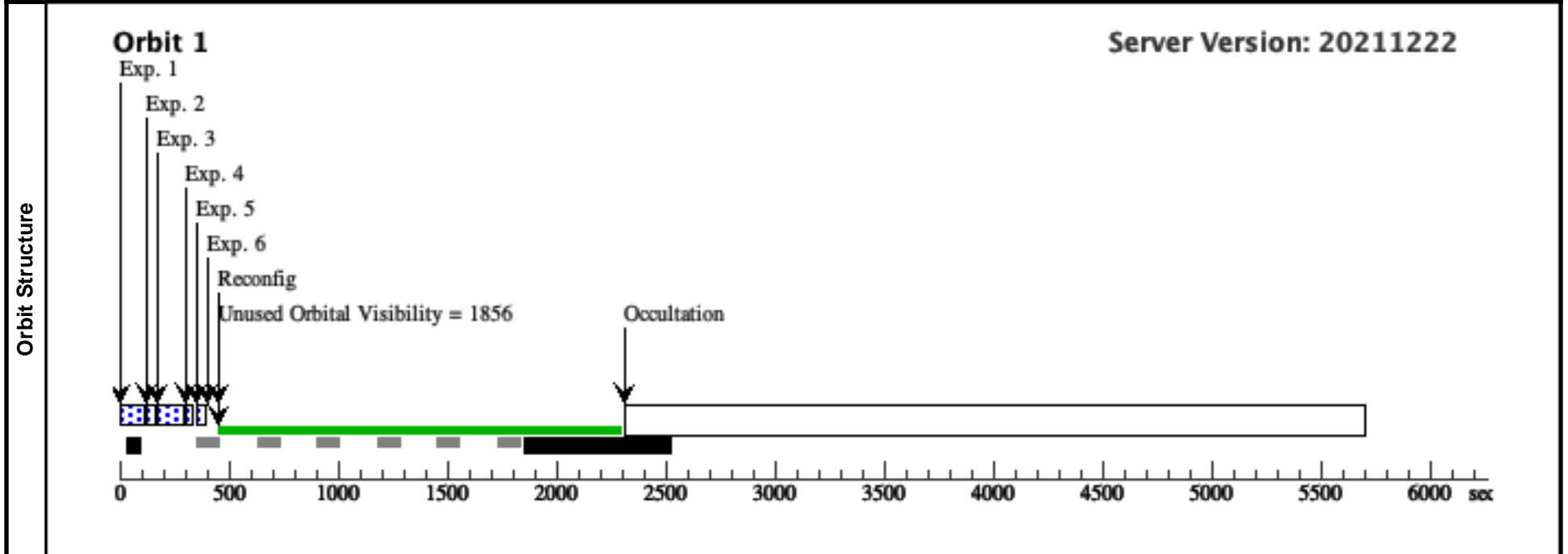
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=6; SAMP-SEQ=RAPID			17.593746 Secs (17.594 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Orbit1 (43) (AV96 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

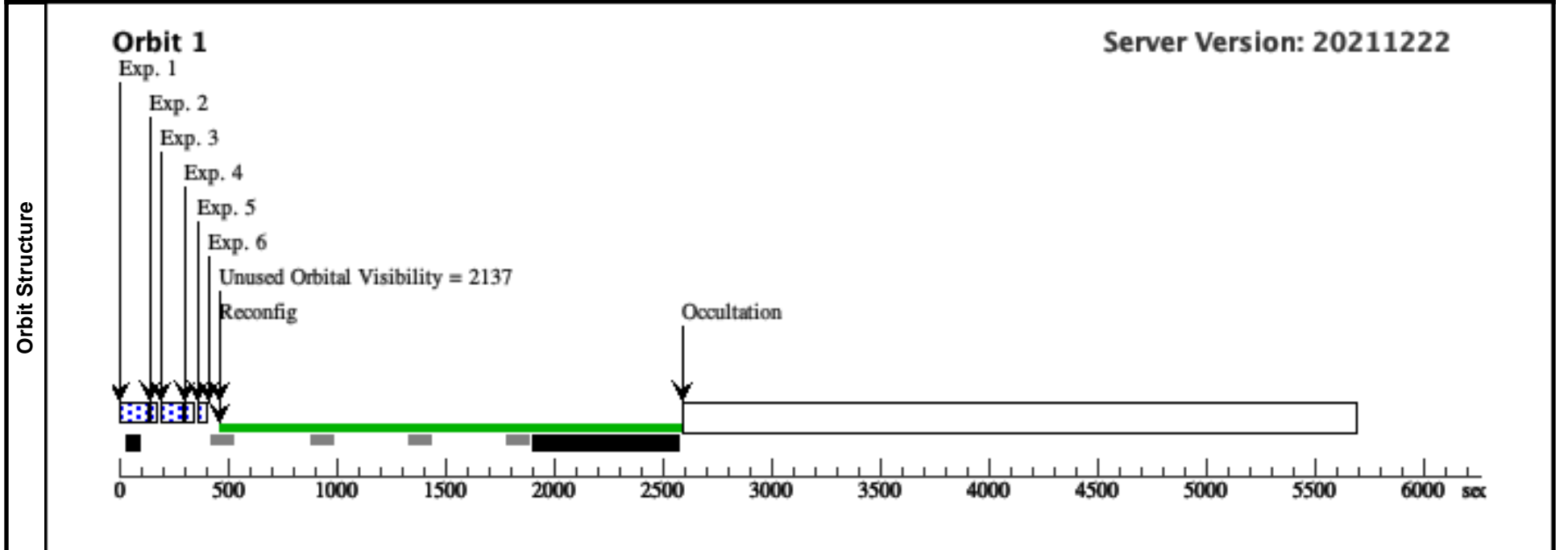
Visit	Proposal 16358, Orbit1 (43), completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
<i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		
								[==>]		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		
								[==>]		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs)		
								[==>]		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		
								[==>]		[?]



Proposal 16358 - Orbit2 (44) (AV96 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

Visit	Proposal 16358, Orbit2 (44), completed									
	Diagnostic Status: No Diagnostics									
Exposures	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
<i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last. The timing of the H and J img+grism is flipped in the 2nd visit to test for sub-orbit systematics. Additionally, this orbit tests the F153M exposure configuration of 3 reads with SPARS5 instead of 2 with SPARS10, with the additional read taken from the F125W exposure.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)	[?]	[?]
2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)	[?]	[?]
3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)	[?]	[?]
4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=6; SAMP-SEQ=RAPID			17.593746 Secs (17.594 Secs)	[?]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs)	[?]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)	[?]	[?]

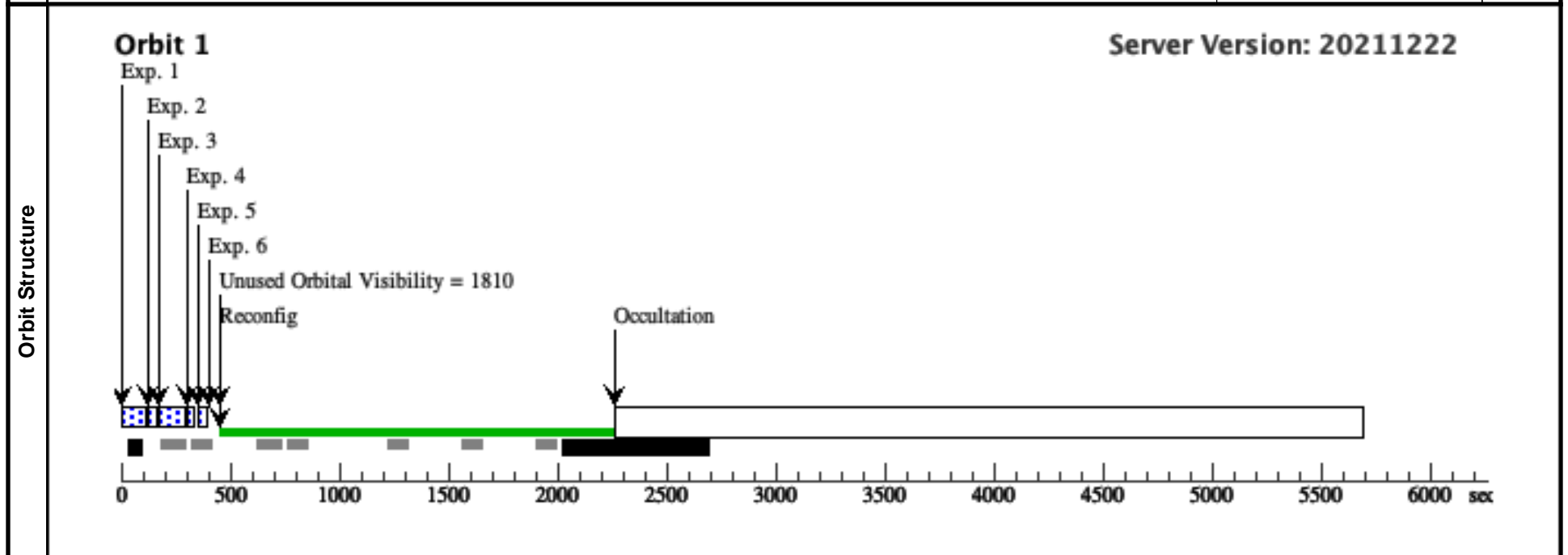


Proposal 16358 - Visit 31 (VFTS-267 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 31, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

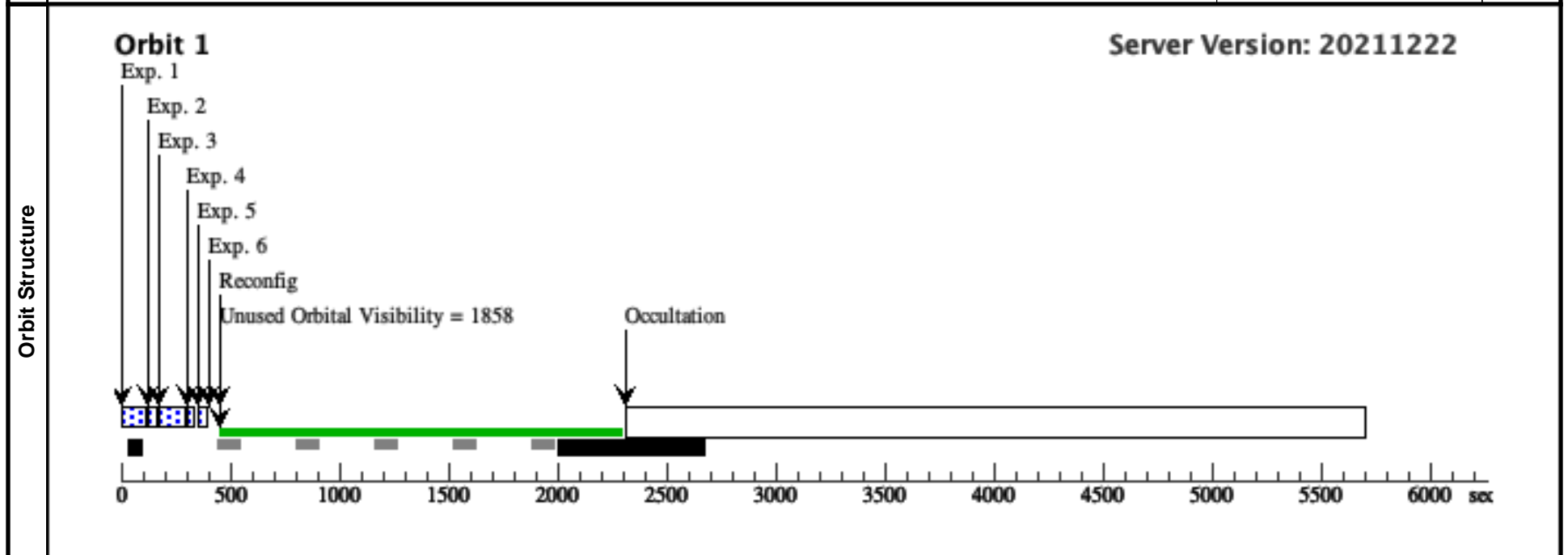


Proposal 16358 - Visit 48 (AV314 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

**Visit**  
**Proposal 16358, Visit 48, failed**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last.*

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

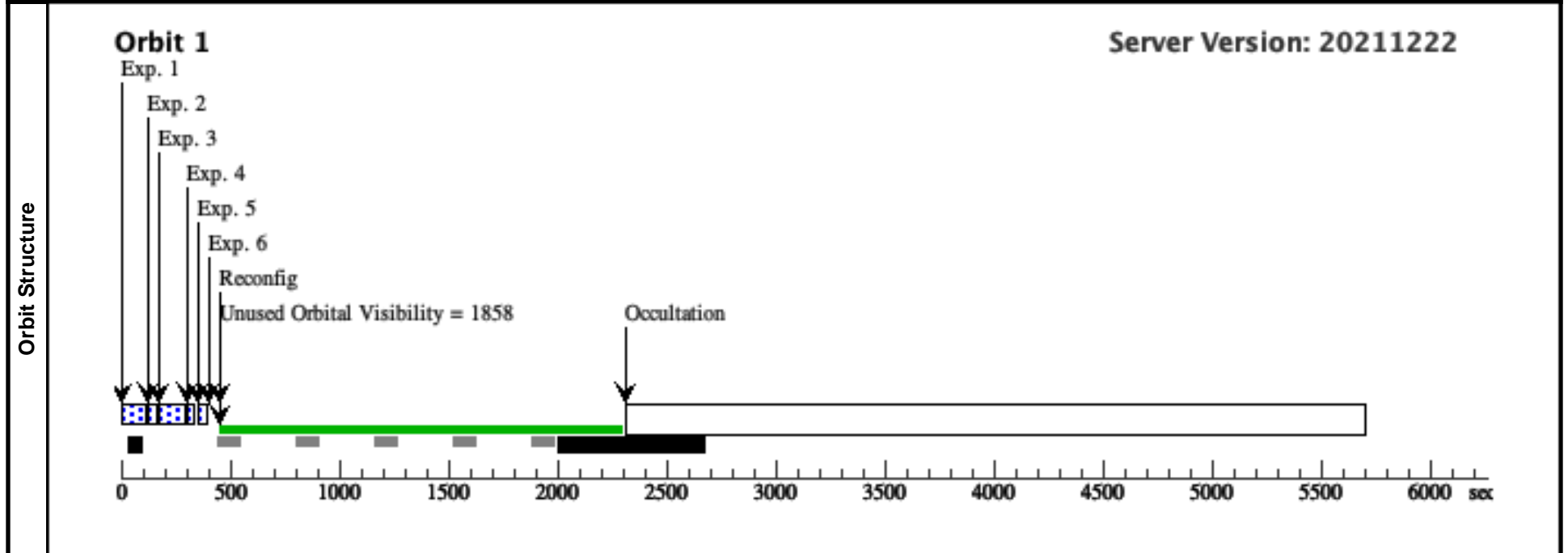


Proposal 16358 - Visit 52 (AV314 Parallel repeat) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 52, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

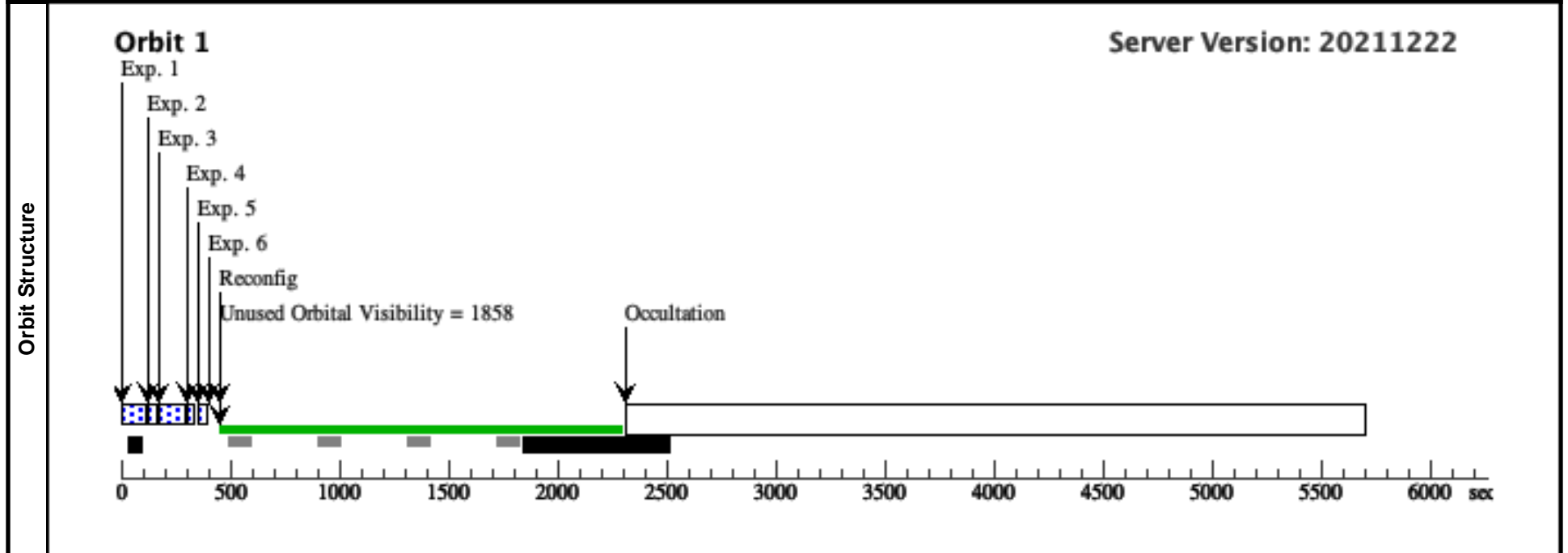


Proposal 16358 - Visit 49 (AV343 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 49, withdrawn</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

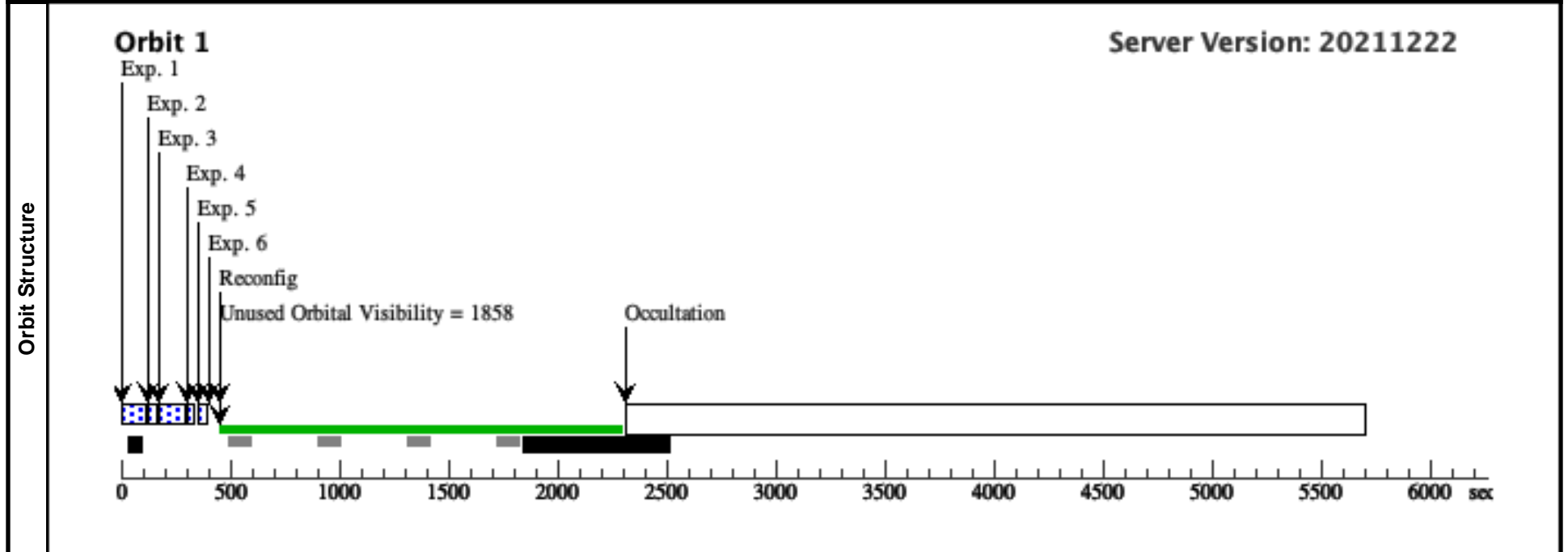


Proposal 16358 - Visit 53 (AV343 Parallel repeat) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

**Visit**  
**Proposal 16358, Visit 53, completed**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last.*

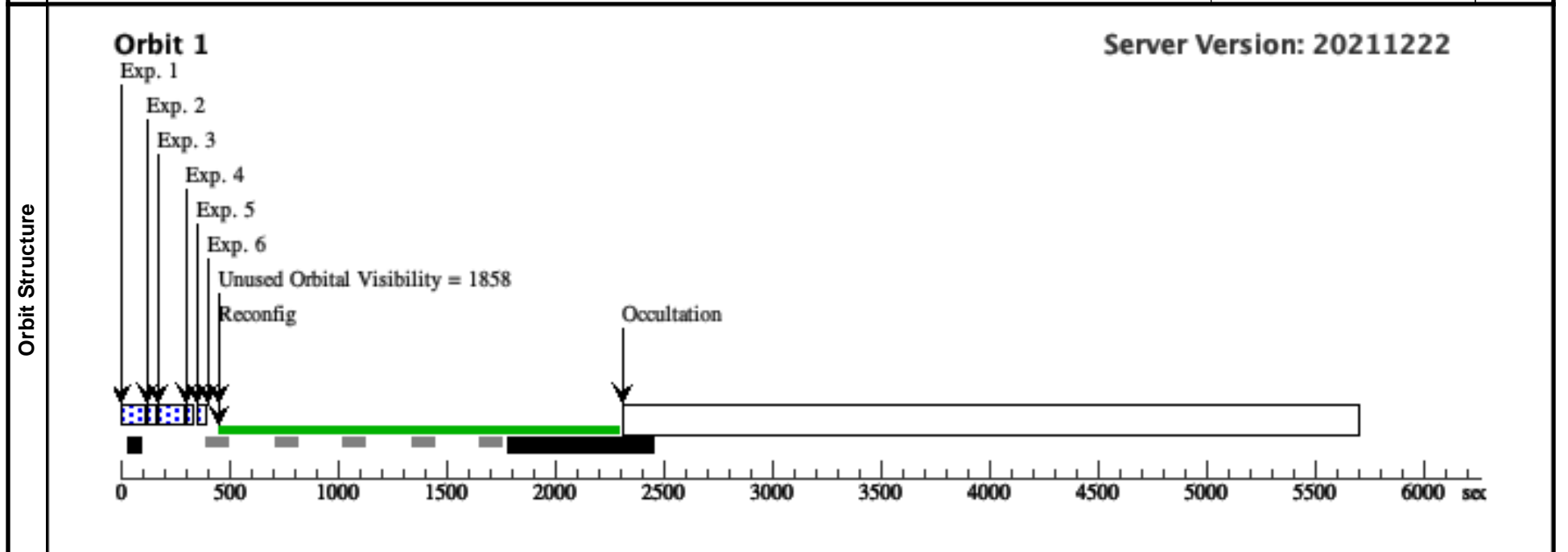
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 50 (AV445 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

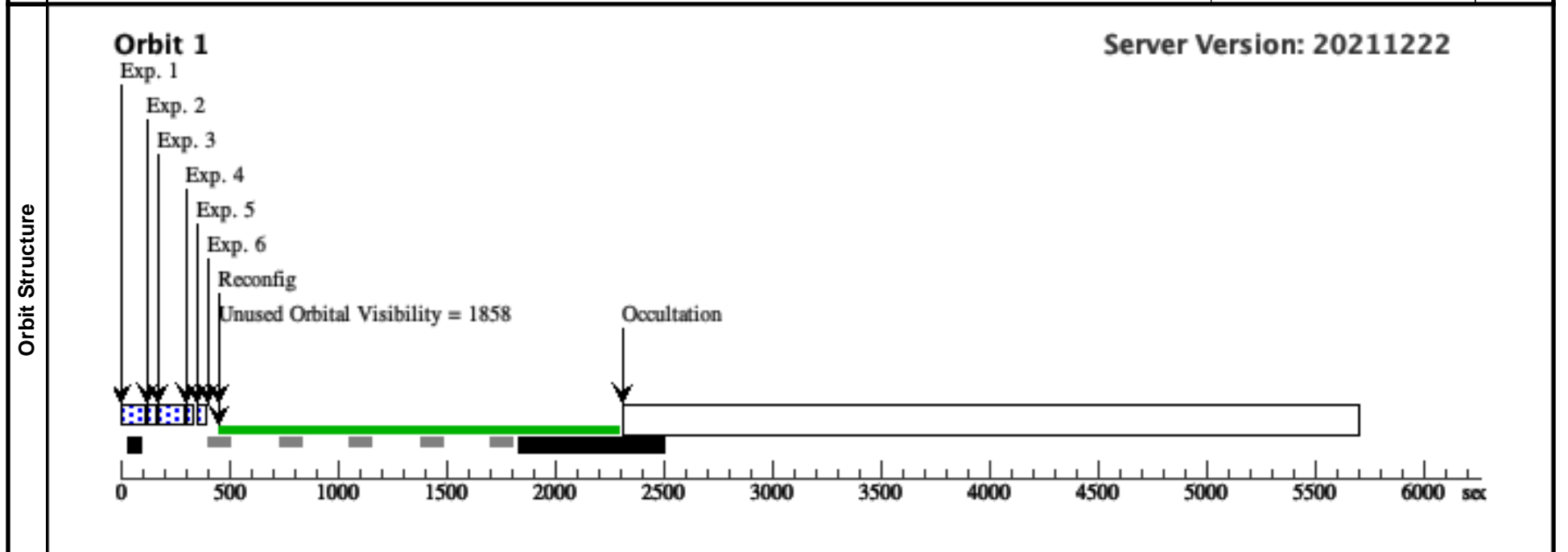
Visit	Proposal 16358, Visit 50, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
<i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		
								[==>]		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPI D			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		
								[==>]		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPI D			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs)		
								[==>]		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPI D			14.661455 Secs (14.661 Secs)		
								[==>]		[?]



Proposal 16358 - Visit 51 (AV200 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

Visit	Proposal 16358, Visit 51, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
<i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		
								[==>]		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		
								[==>]		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs)		
								[==>]		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		
								[==>]		[?]

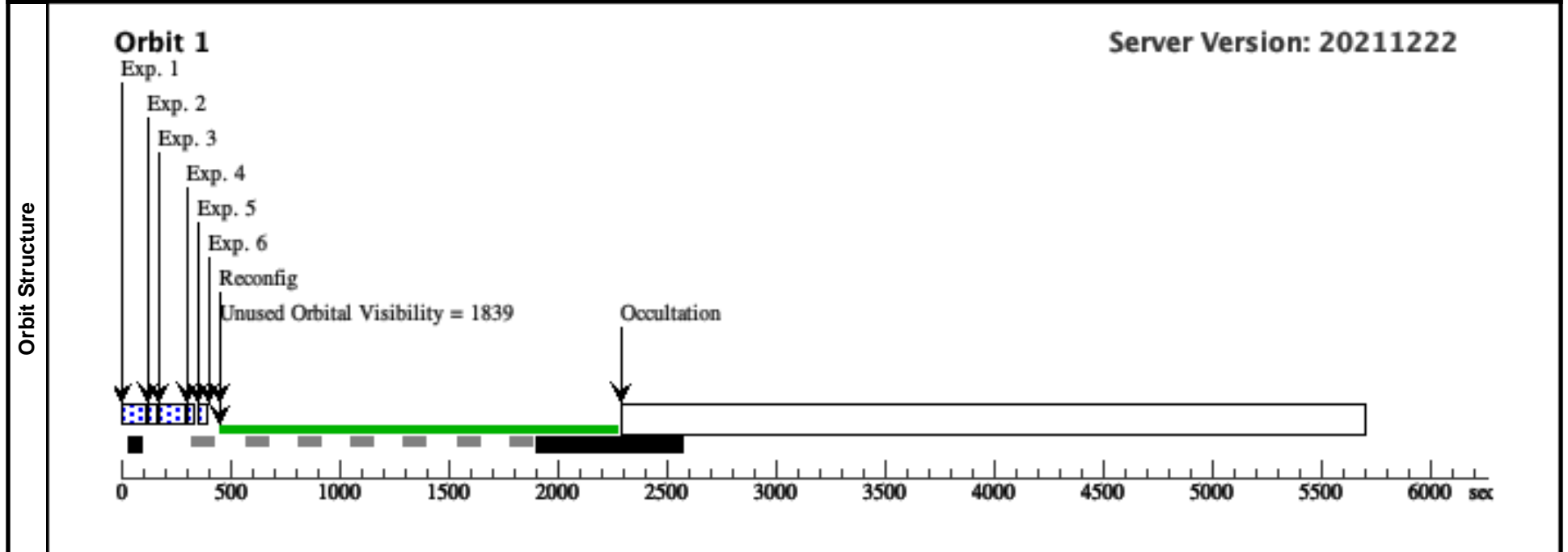


Proposal 16358 - Visit 37 (SK-69D43 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Visit 37, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

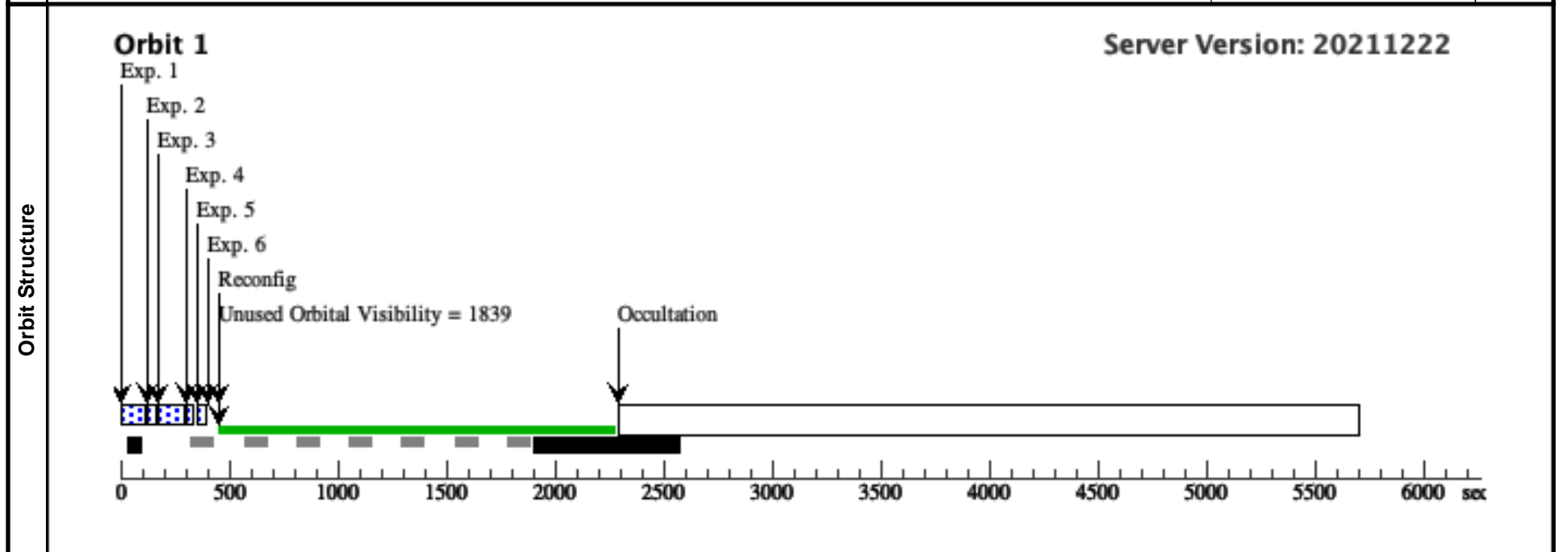
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Visit 45 (SK-69D43 Parallel redo) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:03 GMT 2022

Visit	Proposal 16358, Visit 45, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
<i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		
								[==>]		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		
								[==>]		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs)		
								[==>]		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		
								[==>]		[?]



Proposal 16358 - Visit 38 (SK-67D266 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

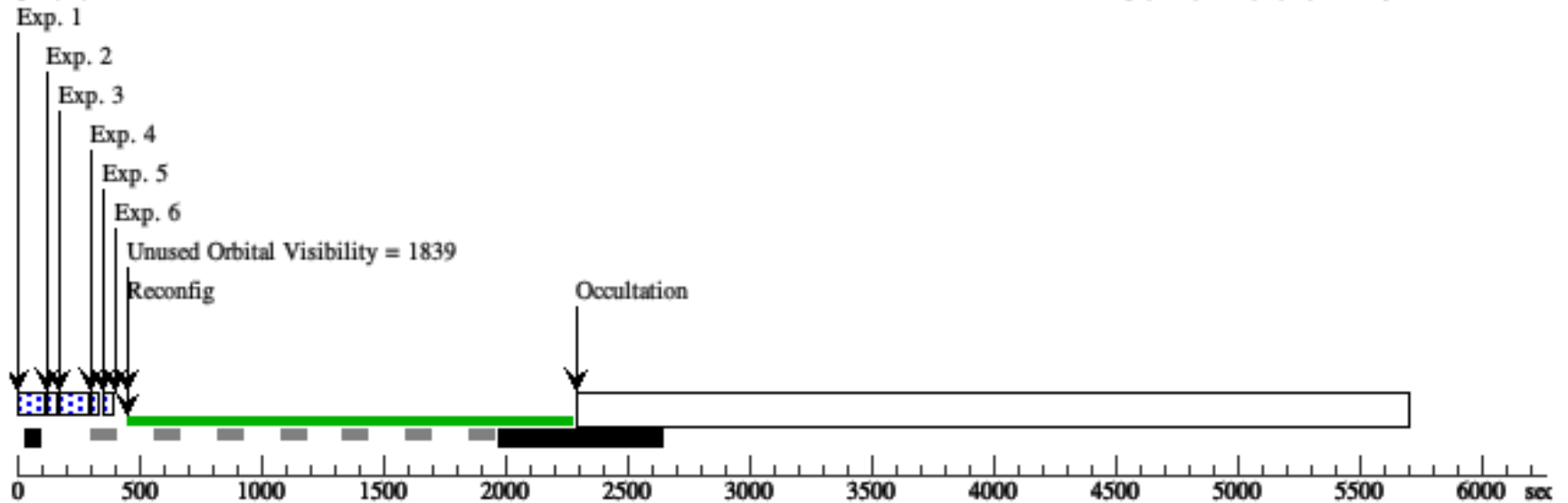
Wed Apr 13 13:01:04 GMT 2022

Visit	Proposal 16358, Visit 38, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.									
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

Orbit 1

Server Version: 20211222

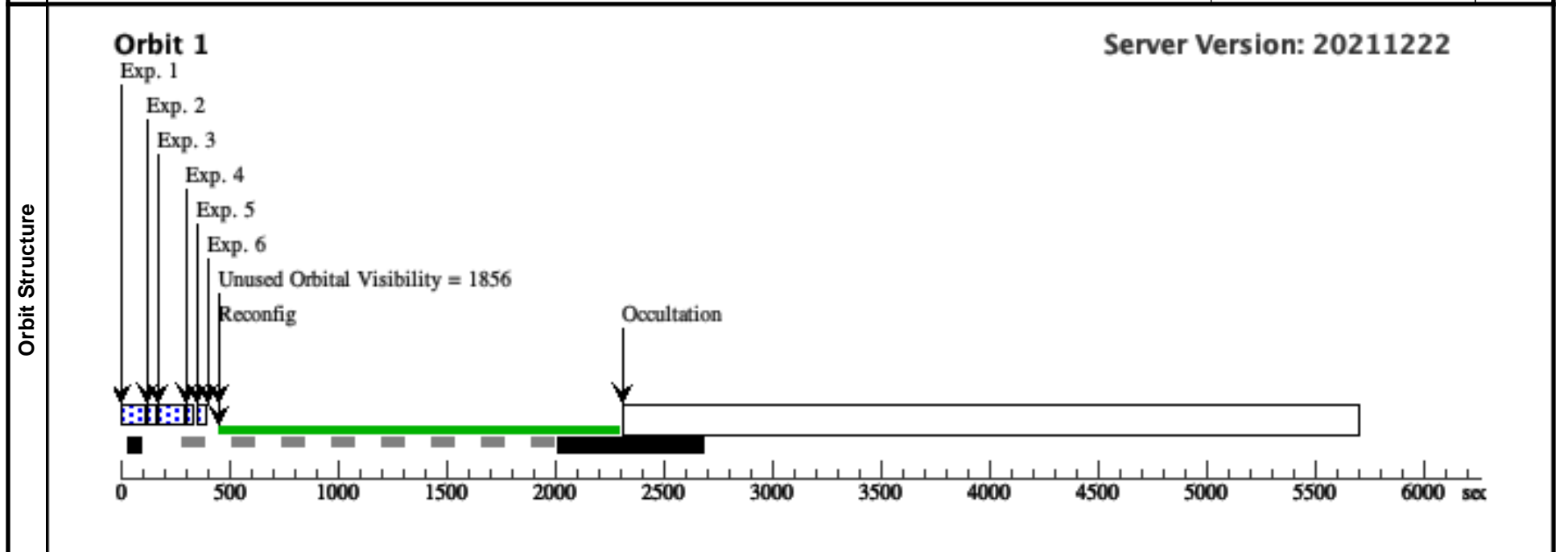
Orbit Structure



Proposal 16358 - Visit 39 (SK-67D266 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

Visit	Proposal 16358, Visit 39, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
<i>Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		
								[==>]		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		
								[==>]		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs)		
								[==>]		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs)		
								[==>]		[?]

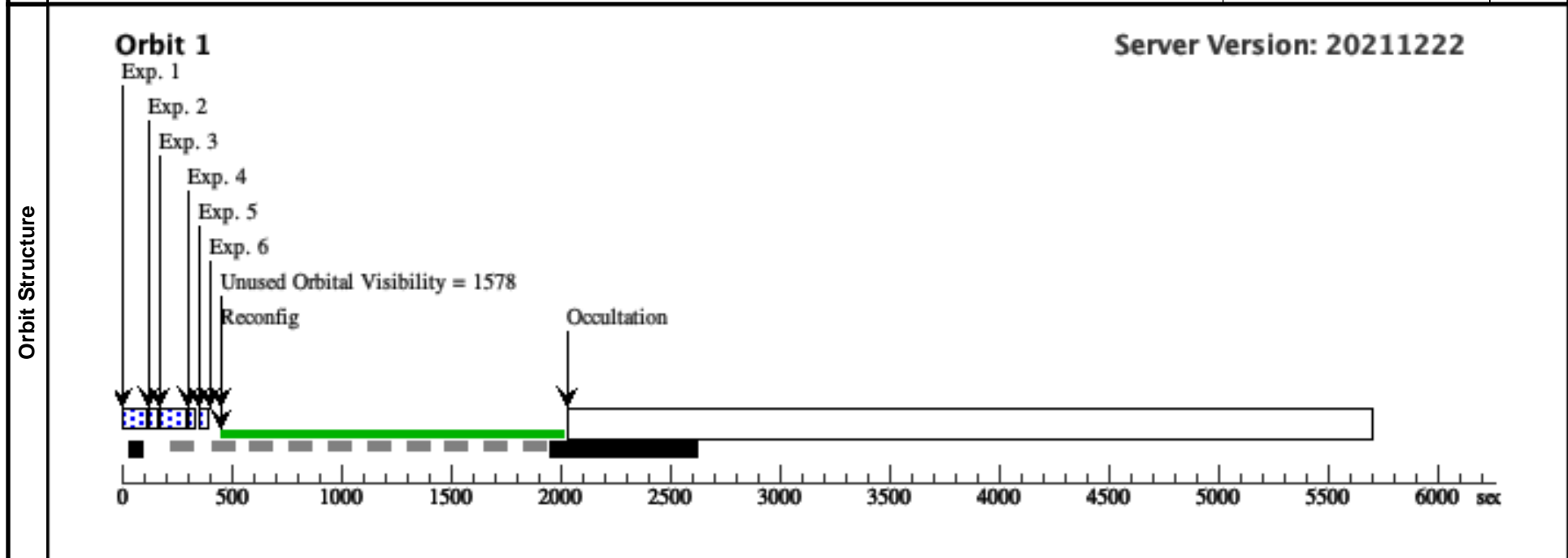


Proposal 16358 - Visit 32 (SK-67D167 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

**Visit**  
**Proposal 16358, Visit 32, completed**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last. F153M this time is SPARS5 with 3 reads, and F110W has been reduced to 4 reads.*

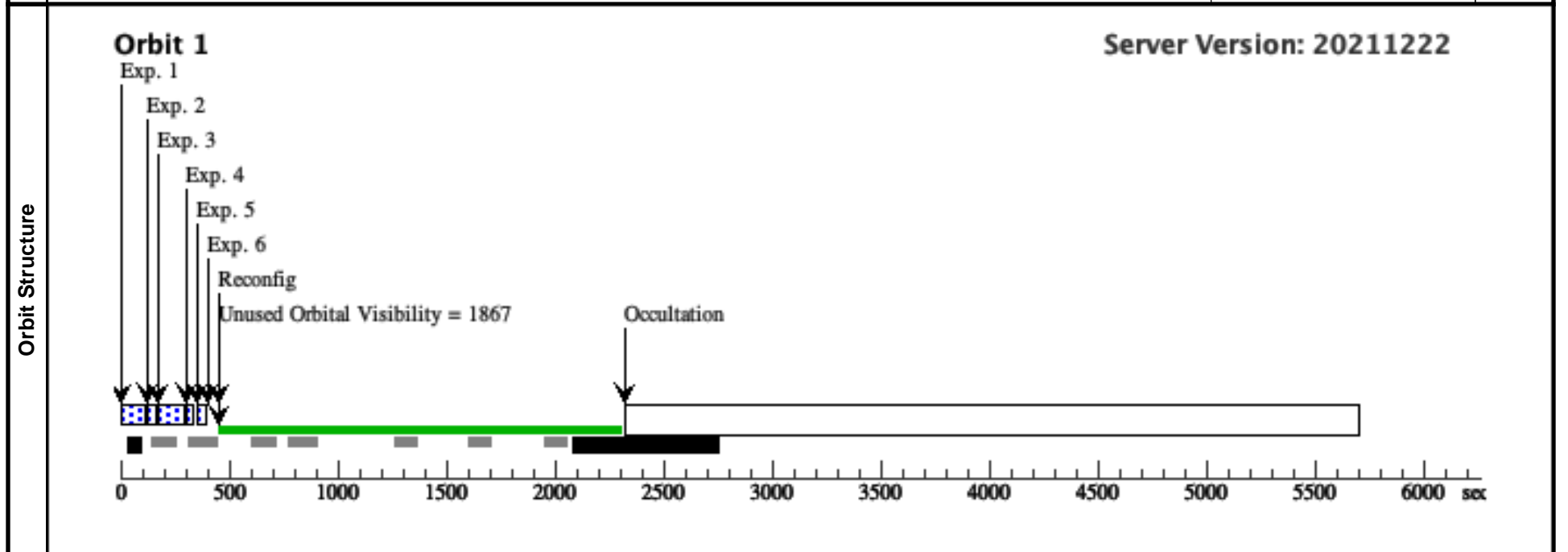
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]	[?]



Proposal 16358 - Visit 40 (AV472 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

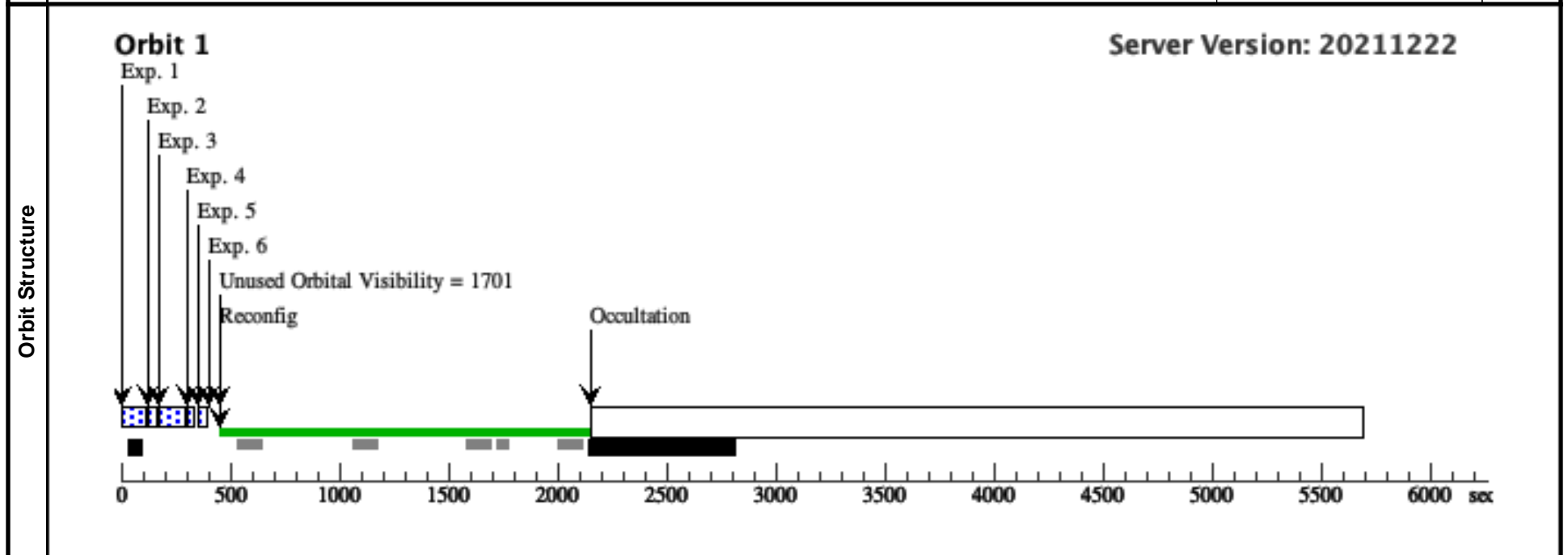
Visit	Proposal 16358, Visit 40, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last. F153M this time is SPARS5 with 3 reads, and F110W has been reduced to 4 reads.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=4; SAMP-SEQ=RAPID			11.729164 Secs (11.729 Secs) [==>]	[?]



Proposal 16358 - Orbit1 (34) (AV148 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

Visit	Proposal 16358, Orbit1 (34), completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR										
Special Requirements: (none)										
<i>Comments: This orbit is broken into 6 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>										
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs)		
								[==>]		[?]
2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPI D			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs)		
								[==>]		[?]
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPI D			20.526037 Secs (20.526 Secs)		
								[==>]		[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs)		
								[==>]		[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPI D			14.661455 Secs (14.661 Secs)		
								[==>]		[?]

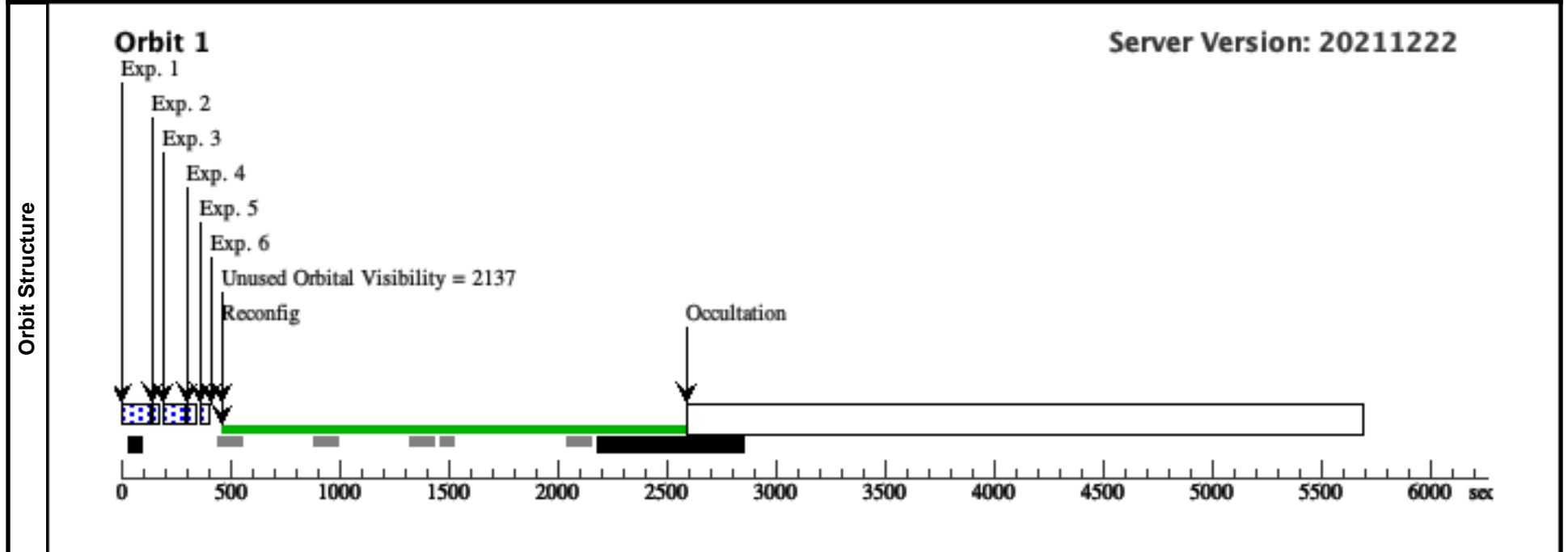


Proposal 16358 - Orbit2 (35) (AV148 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

**Visit**  
**Proposal 16358, Orbit2 (35), completed**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 6 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last. The timing of the H and J img+grism is flipped in the 2nd visit to test for sub-orbit systematics. Additionally, this orbit tests the F153M exposure configuration of 3 reads with SPARS5 instead of 2 with SPARS10, with the additional read taken from the F125W exposure.*

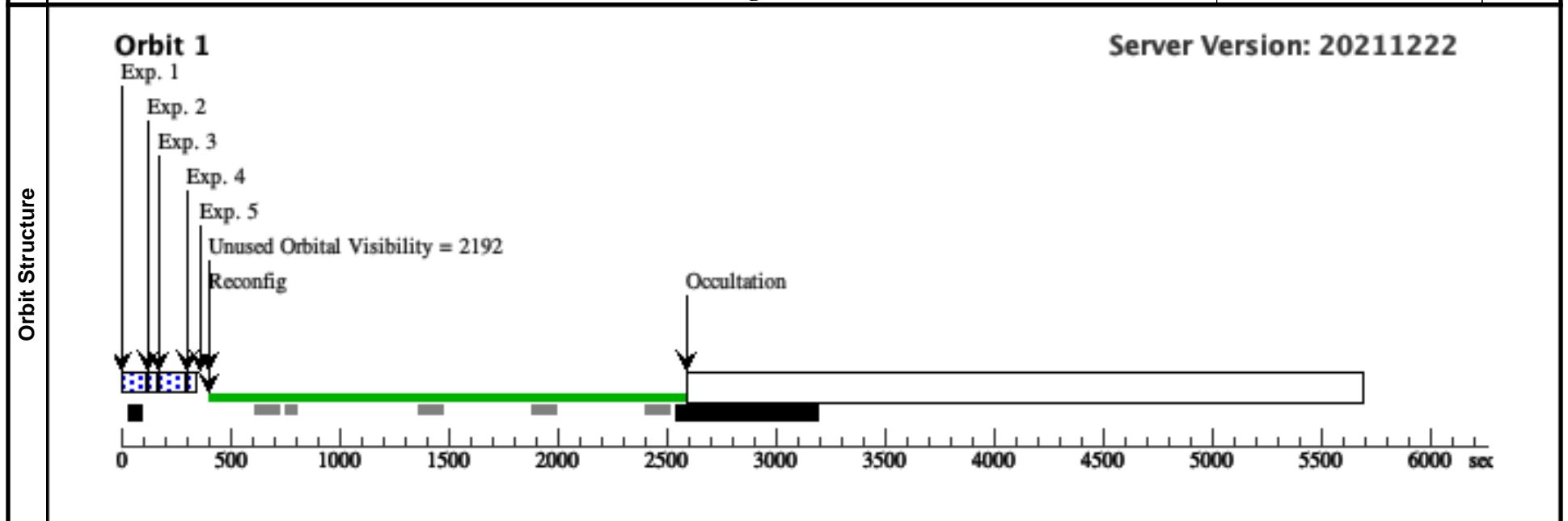
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=6; SAMP-SEQ=RAPID			17.593746 Secs (17.594 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Orbit3 (36) (AV148 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

Visit	Proposal 16358, Orbit 3 (36), completed											
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) Comments: This orbit is broken into 5 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last. This orbit does not include an F153M exposure; instead, the F125W and F160W exposures are each 8 reads instead of 7.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4;				77.933836 Secs (77.934 Secs)		
							SAMP-SEQ=SPAR S25			[==>]		[?]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=8;				23.458328 Secs (23.458 Secs)		
							SAMP-SEQ=RAPID			[==>]		[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5;				102.934351 Secs (102.934 Secs)		
						SAMP-SEQ=SPAR S25			[==>]		[?]	
4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=8;				23.458328 Secs (23.458 Secs)			
						SAMP-SEQ=RAPID			[==>]		[?]	
5	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5;				14.661455 Secs (14.661 Secs)			
						SAMP-SEQ=RAPID			[==>]		[?]	

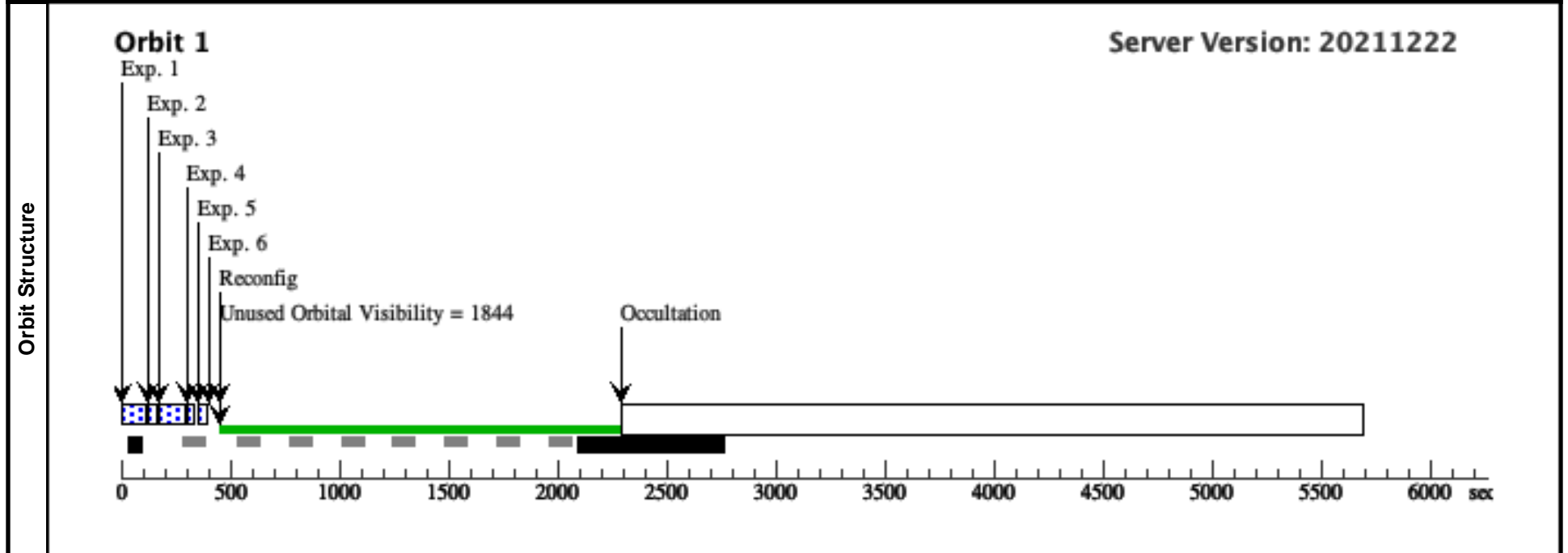


Proposal 16358 - Orbit1 (54) (SK-70D13 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

<b>Visit</b>	<b>Proposal 16358, Orbit1 (54)</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: This orbit is broken into 6 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ_img) is the most likely to be saturated and thus it comes last.</i>									

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]
	2	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
	3	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
	4	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=6; SAMP-SEQ=RAPID			17.593746 Secs (17.594 Secs) [==>]	[?]
	5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=3; SAMP-SEQ=SPAR S5			12.933833 Secs (12.934 Secs) [==>]	[?]
	6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]



Proposal 16358 - Orbit2 (55) (SK-70D13 Parallel) - Securing the Absolute Scale for the IR-TRGB Distance Ladder

Wed Apr 13 13:01:04 GMT 2022

**Visit**  
**Proposal 16358, Orbit2 (55)**  
**Diagnostic Status: No Diagnostics**  
 Scientific Instruments: WFC3/IR  
 Special Requirements: (none)  
*Comments: This orbit is broken into 6 exposures that sum up to 30 full frame reads. This means that the buffer can hold the data until the end and dump once the primary is complete. The F110W (wJ\_img) is the most likely to be saturated and thus it comes last. The timing of the H and J img+grism is flipped in the 2nd visit to test for sub-orbit systematics. Additionally, this orbit tests the F153M exposure configuration of 2 reads with SPARS10 instead of 3 with SPARS5, with the additional read returned to the F160W exposure.*

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	H_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=SPAR S25			102.934351 Secs (102.934 Secs) [==>]	[?]
2	H_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
3	J_spec	ANY	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=4; SAMP-SEQ=SPAR S25			77.933836 Secs (77.934 Secs) [==>]	[?]
4	J_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=7; SAMP-SEQ=RAPID			20.526037 Secs (20.526 Secs) [==>]	[?]
5	sH_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F153M	NSAMP=2; SAMP-SEQ=SPAR S10			12.933254 Secs (12.933 Secs) [==>]	[?]
6	wJ_img	ANY	WFC3/IR, MULTIACCUM, GRISM1024	F110W	NSAMP=5; SAMP-SEQ=RAPID			14.661455 Secs (14.661 Secs) [==>]	[?]

