



13691 - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

Cycle: 22, Proposal Category: GO

(Large Program)

(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>
01	(26) V-RR-LYR	WFC3/IR	1	23-Jul-2014 17:07:38.0	yes

Proposal 13691 (STScI Edit Number: 0, Created: Wednesday, July 23, 2014 7:09:10 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>
02	(15) SU-DRA	WFC3/IR	1	23-Jul-2014 17:07:53.0	yes
03	(16) XZ-CYG	WFC3/IR	1	23-Jul-2014 17:08:06.0	yes
04	(21) V-RZ-CEP	WFC3/IR	1	23-Jul-2014 17:08:18.0	yes
05	(17) UV-OCT	WFC3/IR	1	23-Jul-2014 16:58:59.0	yes
06	(17) UV-OCT	WFC3/IR	1	23-Jul-2014 16:59:10.0	yes
07	(1) IC-1613-FIELD1 (28) IC-1613-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:46:36.0	yes
08	(1) IC-1613-FIELD1 (28) IC-1613-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:16:23.0	yes
09	(3) MESSIER-031-FIELD1 (29) MESSIER-031-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:16:43.0	yes
10	(3) MESSIER-031-FIELD1 (29) MESSIER-031-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:17:02.0	yes
11	(20) MESSIER-032-FIELD1 (31) MESSIER-032-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:17:22.0	yes
12	(20) MESSIER-032-FIELD1 (31) MESSIER-032-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:17:40.0	yes
13	(2) M-33-FIELD1 (32) M-33-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:17:58.0	yes
14	(2) M-33-FIELD1 (32) M-33-FIELD2	ACS/WFC WFC3/IR	6	23-Jul-2014 16:18:18.0	yes
15	(19) FORNAX-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 16:57:32.0	yes
16	(19) FORNAX-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 16:57:33.0	yes
17	(33) FORNAX-FIELD2	ACS/WFC WFC3/IR	1	23-Jul-2014 16:57:36.0	yes

Proposal 13691 (STScI Edit Number: 0, Created: Wednesday, July 23, 2014 7:09:10 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>
18	(18) SCULPTOR-FIELD1 (35) SCULPTOR-FIELD2	ACS/WFC WFC3/IR	1	23-Jul-2014 16:57:39.0	yes
19	(36) SCULPTOR-FIELD3 (37) SCULPTOR-FIELD4	ACS/WFC WFC3/IR	1	23-Jul-2014 16:57:43.0	yes
20	(11) MESSIER-101	ACS/WFC WFC3/IR	3	23-Jul-2014 16:54:42.0	yes
21	(9) MESSIER-066	ACS/WFC WFC3/IR	3	23-Jul-2014 16:54:46.0	yes
22	(10) MESSIER-096	ACS/WFC WFC3/IR	4	23-Jul-2014 16:54:50.0	yes
23	(5) NGC-4536	ACS/WFC WFC3/IR	6	23-Jul-2014 16:54:57.0	yes
24	(6) NGC-4526	ACS/WFC WFC3/IR	6	23-Jul-2014 16:55:05.0	yes
25	(8) NGC-4424	ACS/WFC WFC3/IR	6	23-Jul-2014 16:55:13.0	yes
26	(7) NGC-1448	ACS/WFC WFC3/IR	6	23-Jul-2014 16:55:20.0	yes
27	(7) NGC-1448	ACS/WFC WFC3/IR	5	23-Jul-2014 16:55:26.0	yes
28	(12) NGC-1365	ACS/WFC WFC3/IR	6	23-Jul-2014 16:55:34.0	yes
29	(12) NGC-1365	ACS/WFC WFC3/IR	5	23-Jul-2014 16:55:40.0	yes
30	(12) NGC-1365	ACS/WFC WFC3/IR	5	23-Jul-2014 16:55:47.0	yes
37	(4) NGC-1316	ACS/WFC WFC3/IR	6	23-Jul-2014 16:55:53.0	yes

<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>
32	(4) NGC-1316	ACS/WFC WFC3/IR	5	23-Jul-2014 16:56:00.0	yes
36	(4) NGC-1316	ACS/WFC WFC3/IR	5	23-Jul-2014 16:56:06.0	yes
34	(14) OMEGA-CEN-FIELD1	WFC3/IR	1	23-Jul-2014 16:57:03.0	yes
35	(27) OMEGA-CEN-FIELD2	WFC3/IR	1	23-Jul-2014 16:57:08.0	yes

132 Total Orbits Used

ABSTRACT

There has been great progress in the measurement of cosmological parameters in recent years, but controversy has arisen over the Planck/WMAP versus the direct measurement of the Hubble constant. The goal of our Carnegie Hubble Program (CHP) is to obtain a direct measure of H_0 to 3%. In CHP I, we used Cepheid variables to calibrate the extragalactic distance scale. In the second phase, CHP II, we are establishing a completely independent route to H_0 using RR Lyrae variables, the tip of the red giant branch (TRGB) and Type Ia supernovae (SNe Ia). Not only is the RR Lyrae route independent of the Cepheids, but its PL relation has a scatter that is a factor of 2 smaller. Unlike the Cepheids, the RR Lyrae / TRGB distance scale can be applied to both elliptical and spiral galaxies. This is a great systematic advantage, given the small number of galaxies (9 in total) close enough to have measured Cepheid calibrators within the SNIa hosts. By providing a new calibration using a Pop II distance scale, we will immediately double the number of SN Ia distances based on geometry, linking to over 200 SNe in the pure Hubble flow out to $z = 0.7$. Four calibrators containing both Cepheids and TRGB stars provide an important cross-check on systematics. Initially, the accuracy of our value of H_0 will be set by four galactic RR Lyrae calibrators with HST/FGS parallaxes. With Gaia, both the RR Lyrae zero point and TRGB method will be independently calibrated with at least an order of magnitude more calibrators, each having precisions of 1% or better. This will allow the highest accuracy measurement of H_0 to date using the "Distance Ladder" method.

OBSERVING DESCRIPTION

CHP II

Proposal 13691 - RR Lyr (01) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

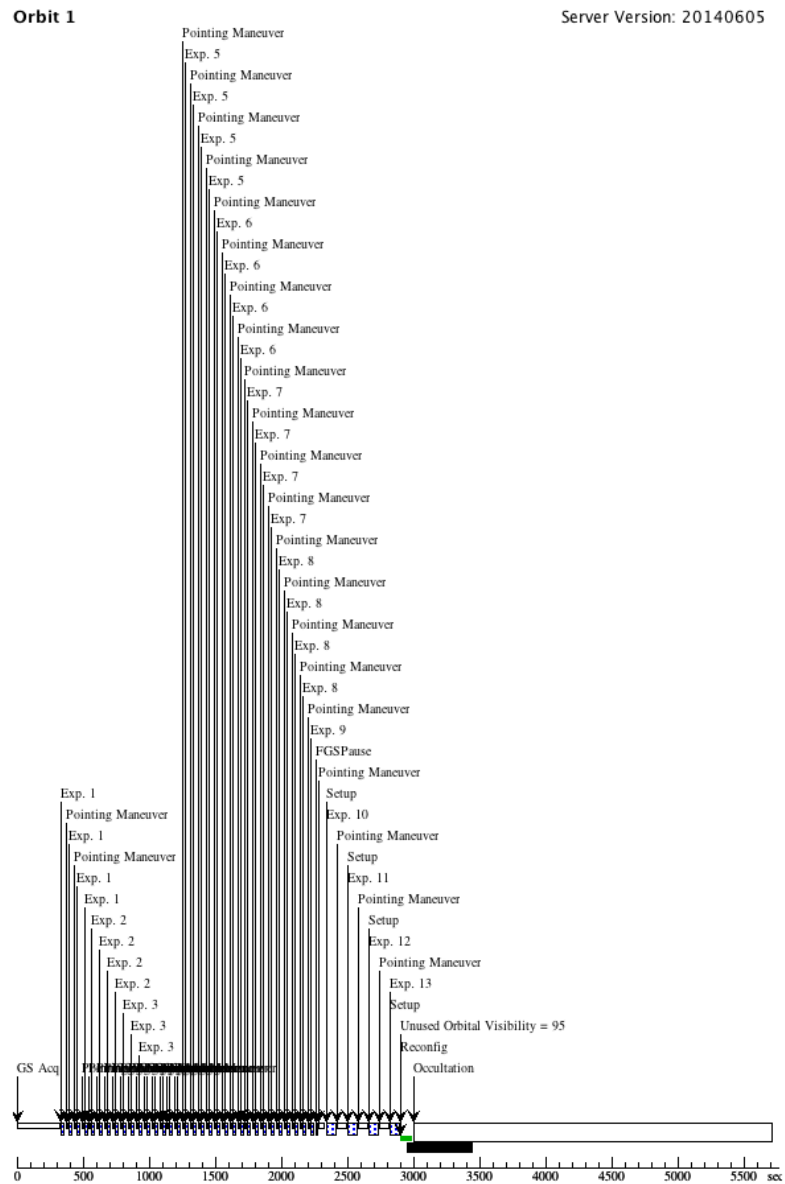
Visit	Proposal 13691, RR Lyr (01)				Thu Jul 24 00:09:10 GMT 2014	
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/IR					
	Special Requirements: DROP TO GYRO IF NECESSARY ; SCHED 100%; ORIENT 45D TO 45 D; Period 0.566805 D AND ZERO-PHASE HJD2456574.29999					
Comments: Need Drop to Gyro after Exposure 9 for drift scan obs.						
Diagnostics	(Exposure 10 (RR Lyr (01)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 11 (RR Lyr (01)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 12 (RR Lyr (01)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 13 (RR Lyr (01)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2), (3), (4), (5), (6), (7), (8)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(26)	V-RR-LYR	RA: 19 25 27.9128 (291.3663033d) Dec: +42 47 3.69 (42.78436d) Equinox: J2000		V=7.13	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

Proposal 13691 - RR Lyr (01) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1	PHASE 0.4 TO 0.6	Pattern 8, Exps 1-1 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 2-2 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 3-3 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 4-4 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	5		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 5-5 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	6		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 6-6 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 7-7 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 8-8 i n RR Lyr (01) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9		(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.277815 Secs (0.278 Secs) [==>]	[1]

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	10	(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	11	(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	12	(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	13	(26) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]



Proposal 13691 - SU Dra (02) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

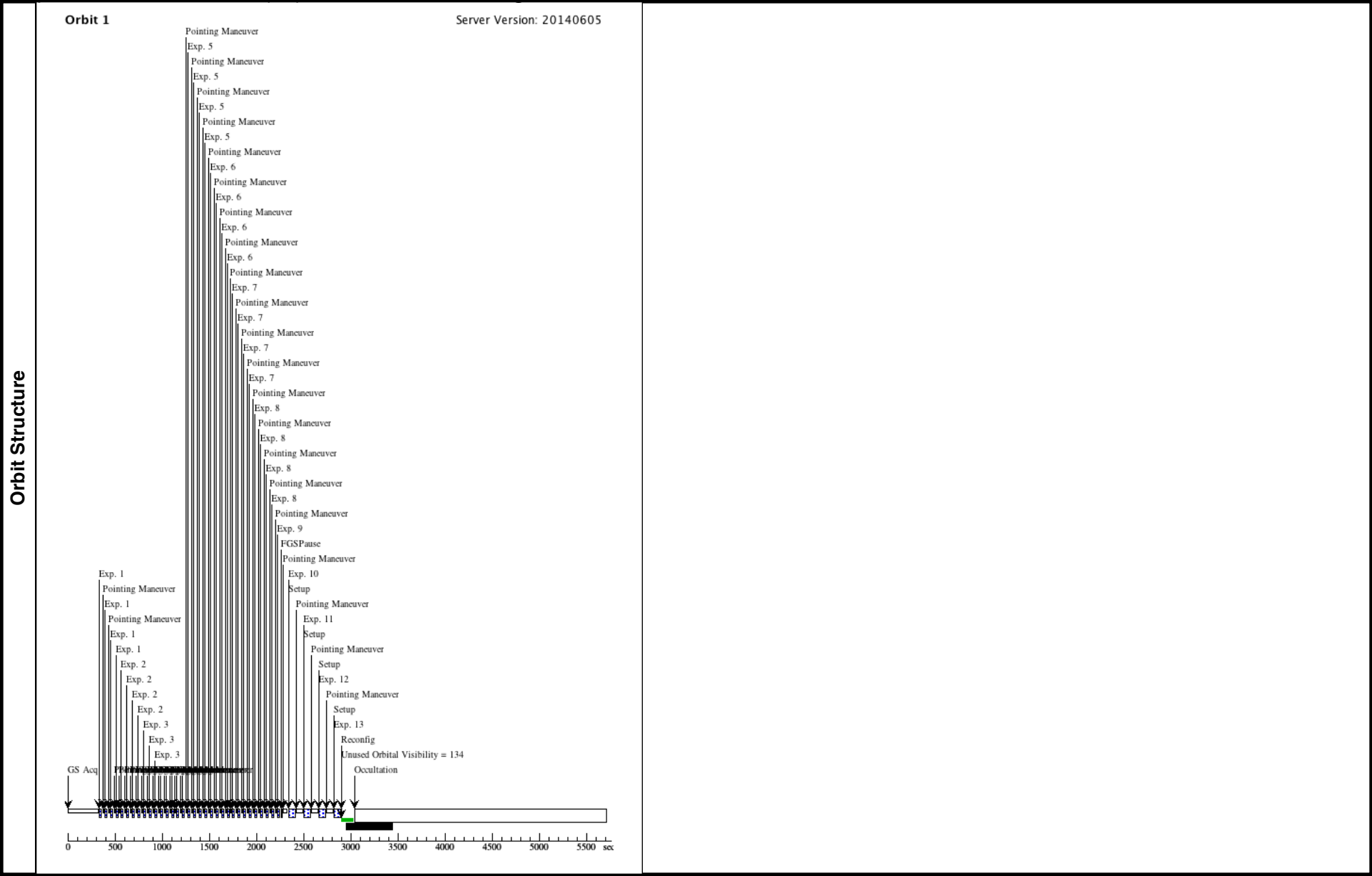
Visit	Proposal 13691, SU Dra (02) Thu Jul 24 00:09:10 GMT 2014				
	Diagnostic Status: Error Scientific Instruments: WFC3/IR Special Requirements: DROP TO GYRO IF NECESSARY ; SCHED 100%; ORIENT 45D TO 45 D; Period 0.660419 D AND ZERO-PHASE HJD2456844.8604 <i>Comments: Need Drop to Gyro after Exposure 9 for drift scan obs.</i>				
Diagnostics	(Exposure 10 (SU Dra (02)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 11 (SU Dra (02)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 12 (SU Dra (02)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 13 (SU Dra (02)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1), (2), (3), (4), (5), (6), (7), (8)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(15)	SU-DRA	RA: 11 37 56.6074 (174.4858642d) Dec: +67 19 47.06 (67.32974d) Equinox: J2000		V=9.27
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
	Reference Frame: SIMBAD				

Proposal 13691 - SU Dra (02) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;	PHASE 0.4 TO 0.6	Pattern 8, Exps 1-1 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;		Pattern 8, Exps 2-2 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;		Pattern 8, Exps 3-3 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;		Pattern 8, Exps 4-4 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	5		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;		Pattern 8, Exps 5-5 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	6		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;		Pattern 8, Exps 6-6 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;		Pattern 8, Exps 7-7 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ;		Pattern 8, Exps 8-8 i n SU Dra (02) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9		(15) SU-DRA	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ;			0.277815 Secs (0.278 Secs) [==>]	[1]

Proposal 13691 - SU Dra (02) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	10	(15) SU-DRA	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	11	(15) SU-DRA	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	12	(15) SU-DRA	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	13	(15) SU-DRA	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]



Proposal 13691 - XZ Cyg (03) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

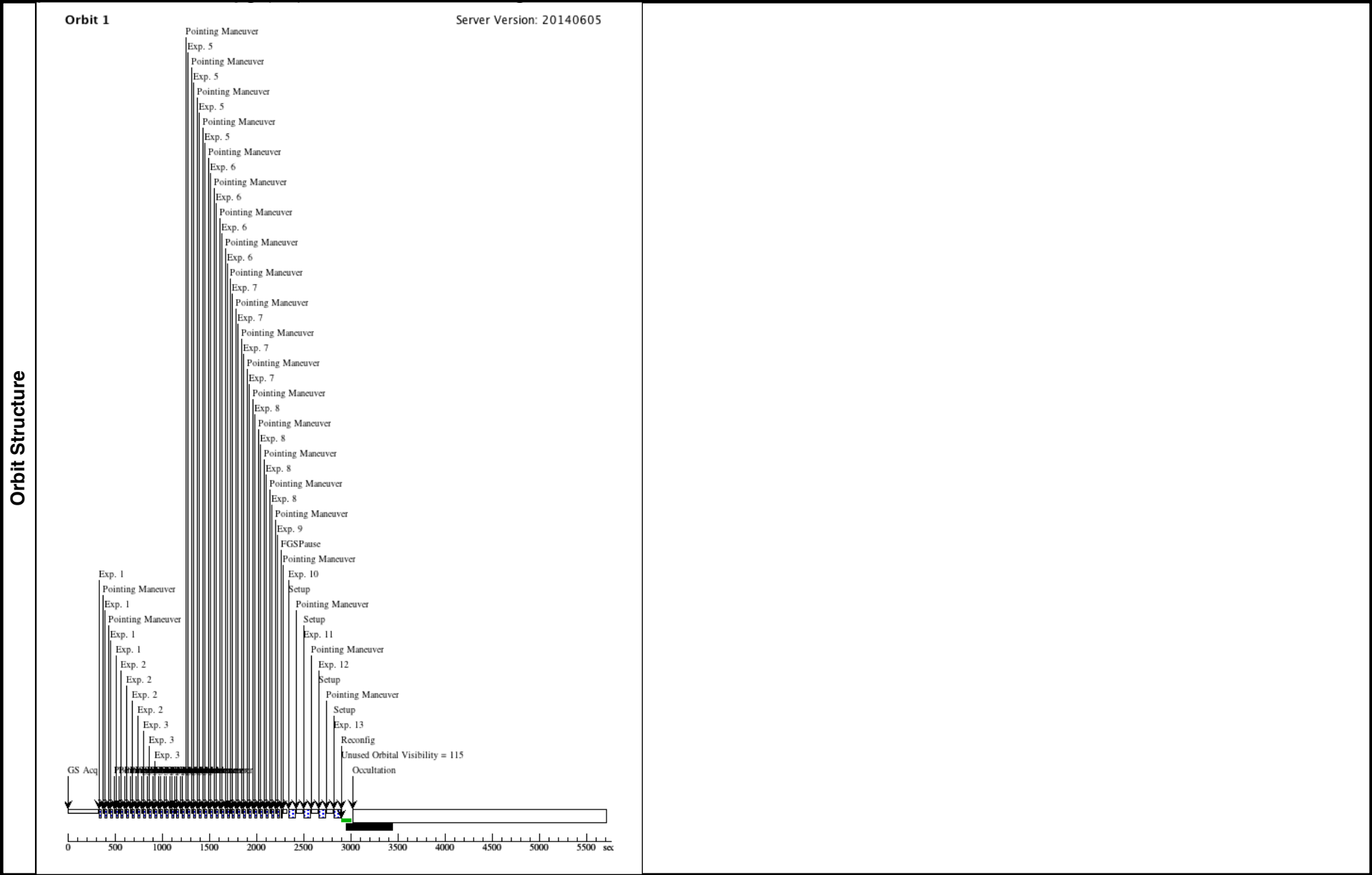
Visit	Proposal 13691, XZ Cyg (03) Thu Jul 24 00:09:10 GMT 2014				
	Diagnostic Status: Error Scientific Instruments: WFC3/IR Special Requirements: DROP TO GYRO IF NECESSARY ; SCHED 100%; ORIENT 45D TO 45 D; Period 0.466579 D AND ZERO-PHASE HJD2456657.65842 <i>Comments: Need Drop to Gyro after Exposure 9 for drift scan obs.</i>				
Diagnostics	(Exposure 10 (XZ Cyg (03)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 11 (XZ Cyg (03)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 12 (XZ Cyg (03)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 13 (XZ Cyg (03)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1), (2), (3), (4), (5), (6), (7), (8)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(16)	XZ-CYG	RA: 19 32 29.3049 (293.1221038d) Dec: +56 23 17.49 (56.38819d) Equinox: J2000		V=9.68
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
	Reference Frame: SIMBAD				

Proposal 13691 - XZ Cyg (03) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1	PHASE 0.4 TO 0.6	Pattern 8, Exps 1-1 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 2-2 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 3-3 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 4-4 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	5		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 5-5 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	6		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 6-6 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 7-7 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 8-8 i n XZ Cyg (03) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9		(16) XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.277815 Secs (0.278 Secs) [==>]	[1]

Proposal 13691 - XZ Cyg (03) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	10	(16) XZ-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	11	(16) XZ-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	12	(16) XZ-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	13	(16) XZ-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]



Proposal 13691 - RZ Cep (04) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

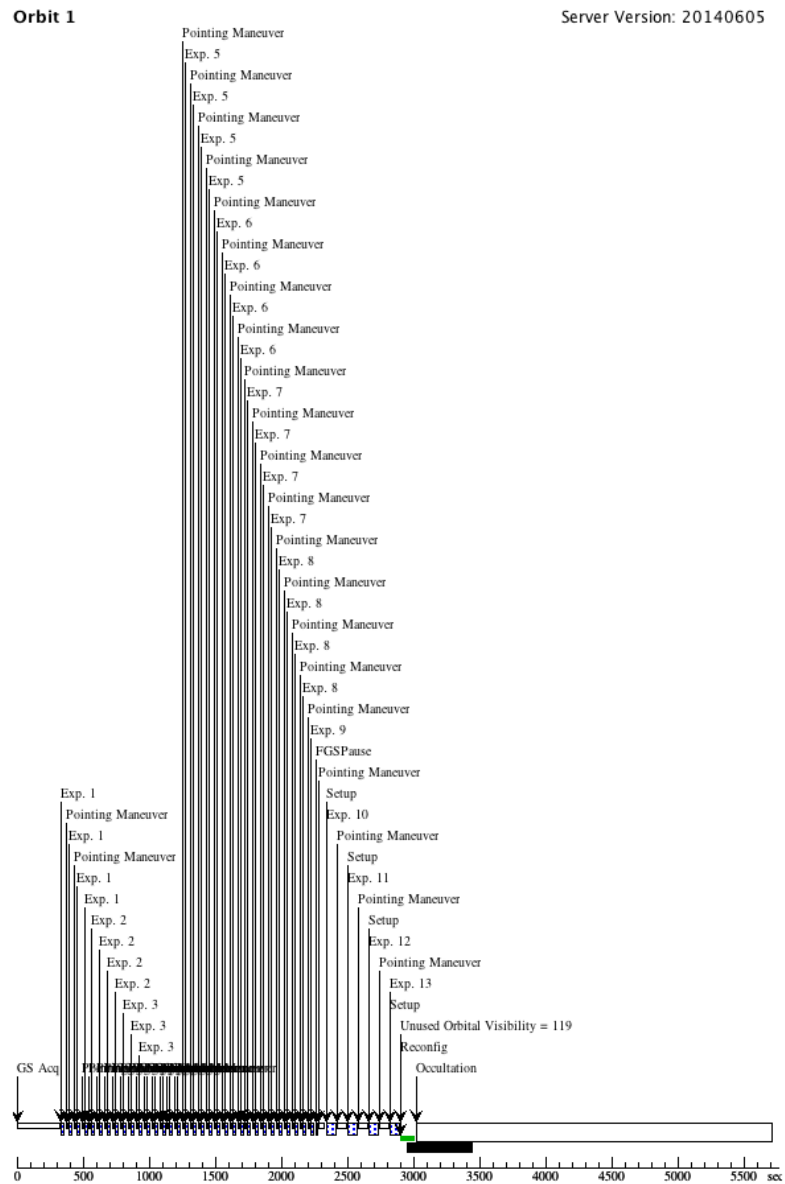
Visit	Proposal 13691, RZ Cep (04) Thu Jul 24 00:09:10 GMT 2014				
	Diagnostic Status: Error Scientific Instruments: WFC3/IR Special Requirements: DROP TO GYRO IF NECESSARY ; SCHED 100%; ORIENT 45D TO 45 D; Period 0.308645 D AND ZERO-PHASE HJD2456718.78193 <i>Comments: Need Drop to Gyro after Exposure 9 for drift scan obs.</i>				
Diagnostics	(Exposure 10 (RZ Cep (04)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 11 (RZ Cep (04)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 12 (RZ Cep (04)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control. (Exposure 13 (RZ Cep (04)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1), (2), (3), (4), (5), (6), (7), (8)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(21)	V-RZ-CEP	RA: 22 39 13.1777 (339.8049071d) Dec: +64 51 30.60 (64.85850d) Equinox: J2000		V=9.19
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
	Reference Frame: SIMBAD				

Proposal 13691 - RZ Cep (04) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1	PHASE 0.4 TO 0.6	Pattern 8, Exps 1-1 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 2-2 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 3-3 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 4-4 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	5		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 5-5 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	6		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 6-6 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 7-7 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 8-8 i n RZ Cep (04) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9		(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.277815 Secs (0.278 Secs) [==>]	[1]

Proposal 13691 - RZ Cep (04) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	10	(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	11	(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	12	(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	13	(21) V-RZ-CEP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]



Proposal 13691 - UV Oct-1 (05) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

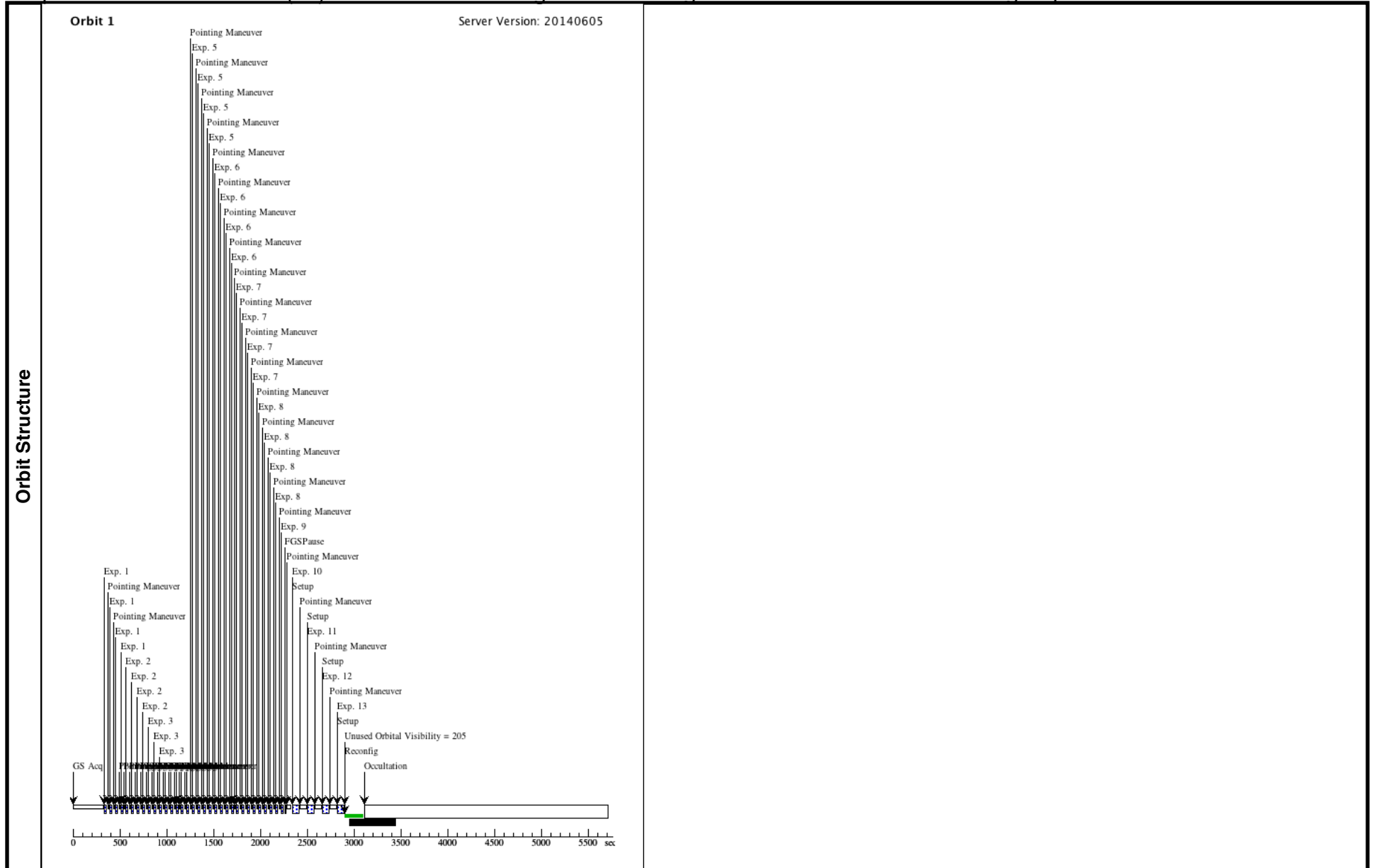
Visit	Proposal 13691, UV Oct-1 (05)				Thu Jul 24 00:09:10 GMT 2014	
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/IR					
	Special Requirements: DROP TO GYRO IF NECESSARY ; SCHED 100%; ORIENT 45D TO 45 D					
	Comments: Need Drop to Gyro after Exposure 9 for drift scan obs.					
Diagnostics	(Exposure 10 (UV Oct-1 (05)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 11 (UV Oct-1 (05)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 12 (UV Oct-1 (05)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 13 (UV Oct-1 (05)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2), (3), (4), (5), (6), (7), (8)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(17)	UV-OCT	RA: 16 32 25.5339 (248.1063913d) Dec: -83 54 10.52 (-83.90292d) Equinox: J2000		V=9.44	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

Proposal 13691 - UV Oct-1 (05) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 1-1 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 2-2 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 3-3 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 4-4 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	5		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 5-5 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	6		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 6-6 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 7-7 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 8-8 i n UV Oct-1 (05) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.277815 Secs (0.278 Secs) [==>]	[1]

Proposal 13691 - UV Oct-1 (05) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	10	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	11	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	12	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	13	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]



Proposal 13691 - UV Oct-2 (06) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

Visit	Proposal 13691, UV Oct-2 (06)				Thu Jul 24 00:09:10 GMT 2014	
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/IR					
	Special Requirements: DROP TO GYRO IF NECESSARY ; SCHED 100%; ORIENT 45D TO 45 D; AFTER 05 BY 1.5 D TO 1.7 D					
	Comments: Need Drop to Gyro after Exposure 9 for drift scan obs.					
Diagnostics	(Exposure 10 (UV Oct-2 (06)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 11 (UV Oct-2 (06)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 12 (UV Oct-2 (06)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
	(Exposure 13 (UV Oct-2 (06)) special requirements) Error (Form): Scan rate: 7.5 is too large. The legal range is >0.0 to 4.999999 under FGS control.					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2), (3), (4), (5), (6), (7), (8)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(17)	UV-OCT	RA: 16 32 25.5339 (248.1063913d) Dec: -83 54 10.52 (-83.90292d) Equinox: J2000		V=9.44	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

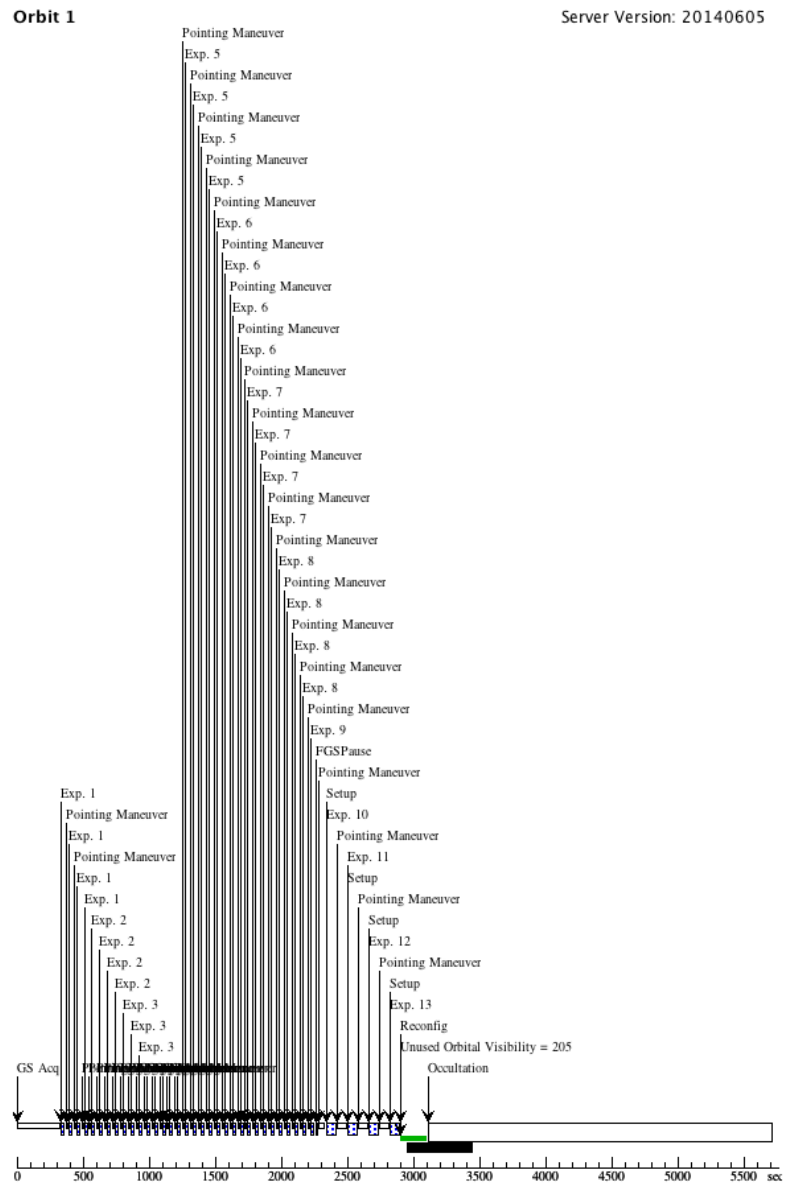
Proposal 13691 - UV Oct-2 (06) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 1-1 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 2-2 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 3-3 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 4-4 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	5		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 5-5 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	6		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 6-6 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 7-7 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64-FIX	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 8, Exps 8-8 i n UV Oct-2 (06) (8)	0.060774 Secs (0.243 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9		(17) UV-OCT	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.277815 Secs (0.278 Secs) [==>]	[1]

Proposal 13691 - UV Oct-2 (06) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	10	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	11	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	12	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-15; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]
	13	(17) UV-OCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 90,-30; SPATIAL SCAN 7.5 ,180.0 Degrees,Forward	14.661455 Secs (14.661 Secs) [==>]	[1]

Orbit Structure



Proposal 13691 - IC 1613-1 (07) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, IC 1613-1 (07) Thu Jul 24 00:09:10 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 83D TO 87 D				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	IC-1613-FIELD1	RA: 01 04 31.4000 (16.1308333d) Dec: +02 08 48.00 (2.14667d) Equinox: J2000		V=11.49
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
	(28)	IC-1613-FIELD2	RA: 01 04 27.5000 (16.1145833d) Dec: +02 10 7.00 (2.16861d) Equinox: J2000		V=11.49
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
	Reference Frame: SIMBAD				

Proposal 13691 - IC 1613-1 (07) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(28) IC-1613-FIELD 2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in IC 1613-1 (07) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(28) IC-1613-FIELD 2	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in IC 1613-1 (07) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-1 (07)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in IC 1613-1 (07) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in IC 1613-1 (07) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(28) IC-1613-FIELD 2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 5-8 Non-Int in IC 1613-1 (07) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

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6	(28) IC-1613-FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in IC 1613-1 (07) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]	
7	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 5-8 Non-Int in IC 1613-1 (07) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
8		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in IC 1613-1 (07) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
9	F160W	(28) IC-1613-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 9-12 Non-Int in IC 1613-1 (07) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
10		(28) IC-1613-FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in IC 1613-1 (07) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]

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11	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in IC 1613-1 (07) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in IC 1613-1 (07) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(28) IC-1613-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in IC 1613-1 (07) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(28) IC-1613-FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 13-16 Non-Int in IC 1613-1 (07) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in IC 1613-1 (07) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

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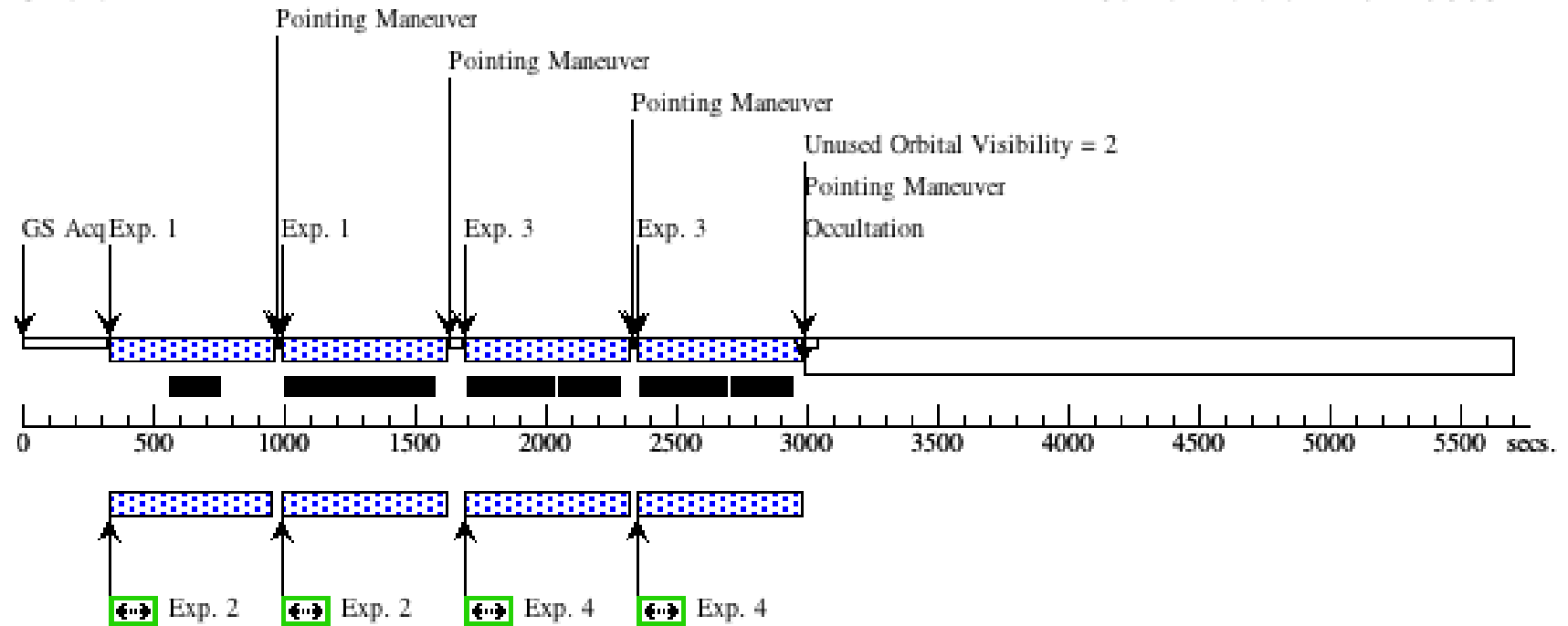
16	(1) IC-1613-FIELD1 ACS/WFC, ACCUM, WFC F606W	Sequence 13-16 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs)	
		Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in IC 1613-1 (07) (1)	[==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
17	F160W (28) IC-1613-FIELD2 WFC3/IR, MULTIACCUM, IR-FIX F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 17-20 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs)
		Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in IC 1613-1 (07) (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[5]
18	(28) IC-1613-FIELD2 ACS/WFC, ACCUM, WFC F606W	Sequence 17-20 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs)	
		Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in IC 1613-1 (07) (1)	[==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W (1) IC-1613-FIELD1 WFC3/IR, MULTIACCUM, IR-FIX F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 17-20 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs)
		Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in IC 1613-1 (07) (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[5]
20	(1) IC-1613-FIELD1 ACS/WFC, ACCUM, WFC F606W	Sequence 17-20 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs)	
		Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in IC 1613-1 (07) (1)	[==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

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21	F160W	(28) IC-1613-FIELD 2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in IC 1613-1 (07) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(28) IC-1613-FIELD 2	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in IC 1613-1 (07) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in IC 1613-1 (07) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-1 (07)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in IC 1613-1 (07) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-1 (07) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-1 (07)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

Orbit 1

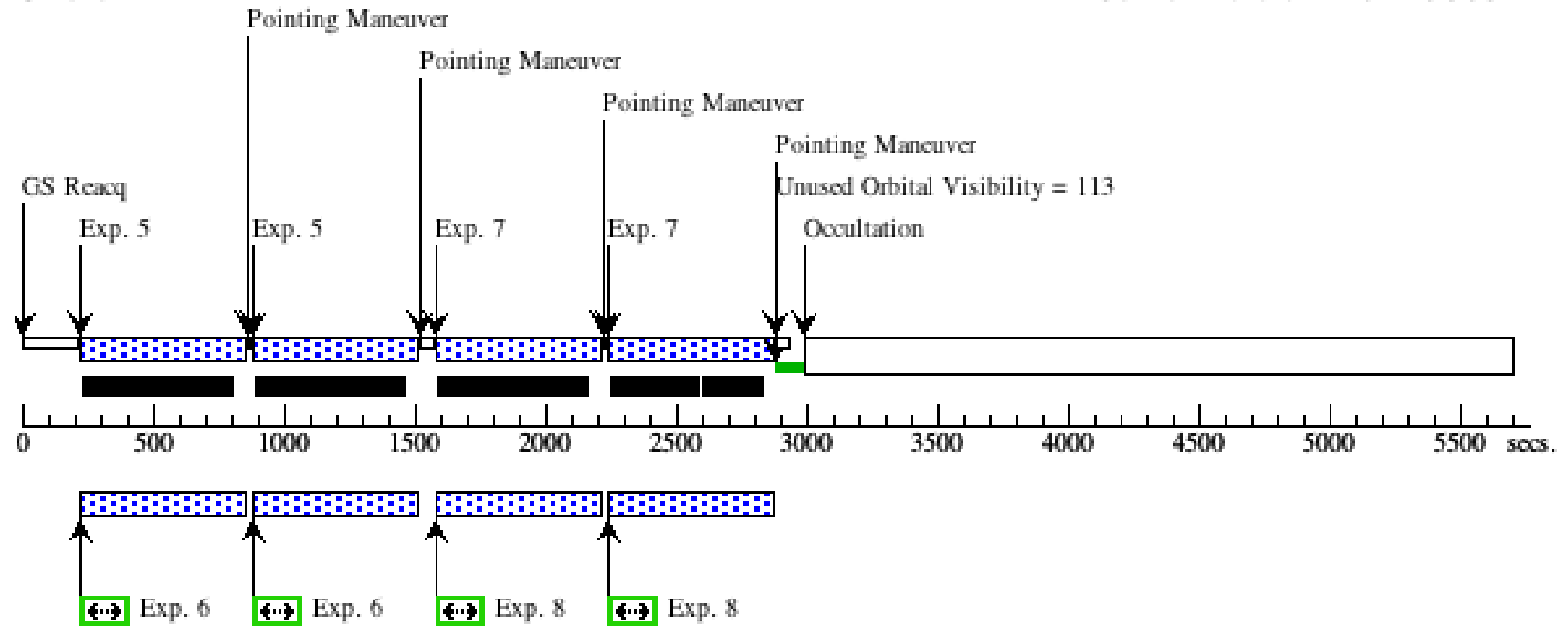
Server Version: 20140605



Orbit Structure

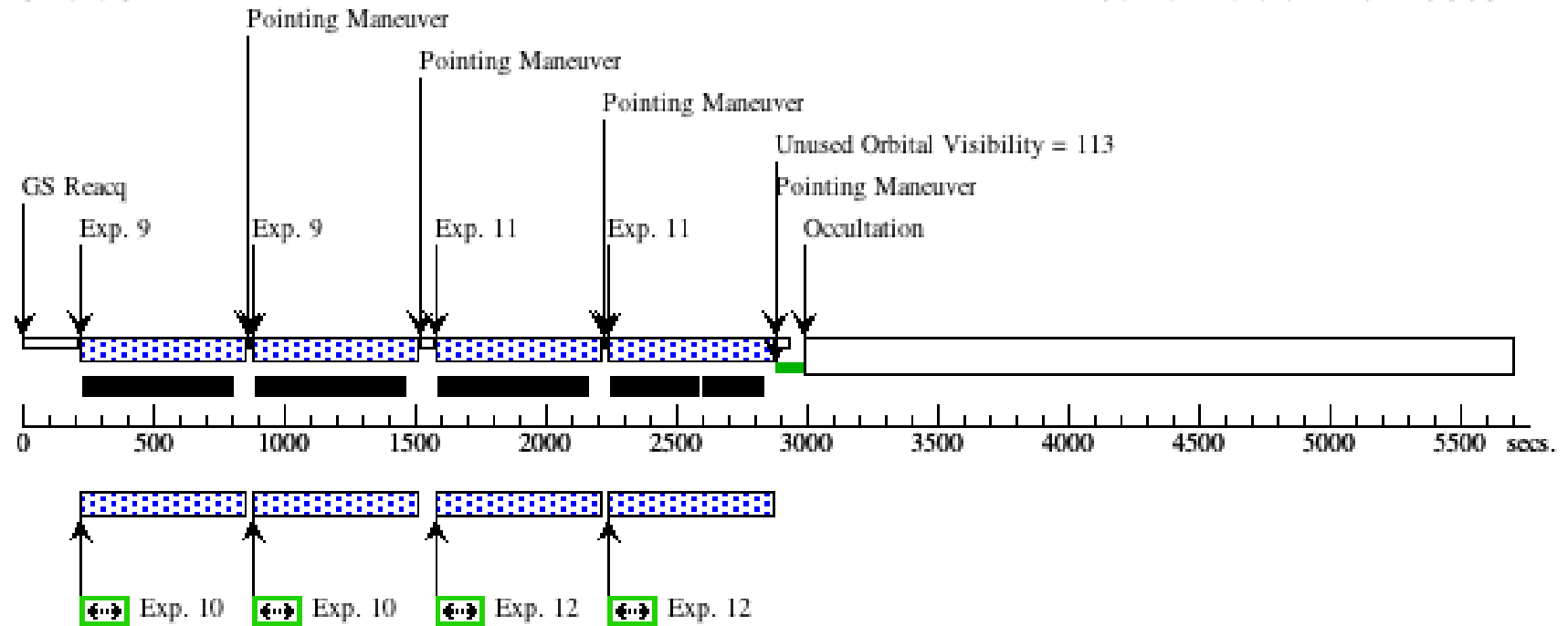
Orbit 2

Server Version: 20140605



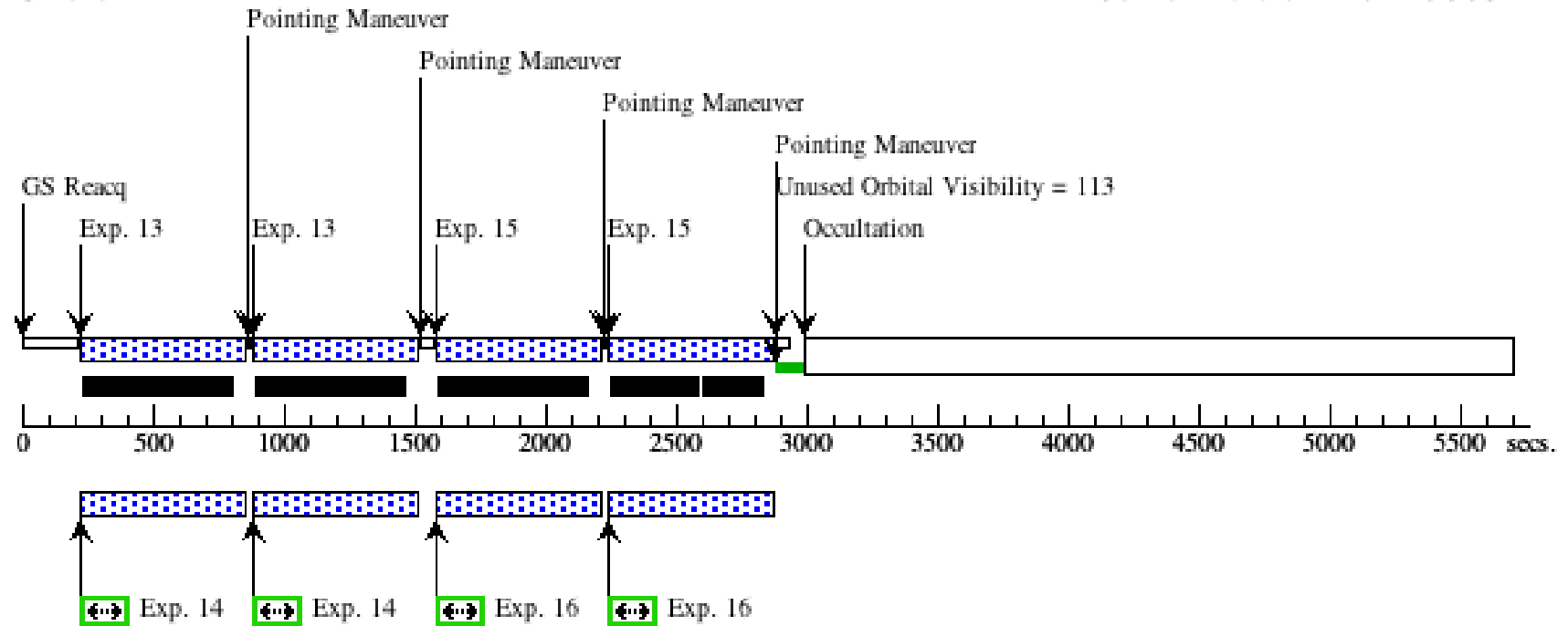
Orbit 3

Server Version: 20140605



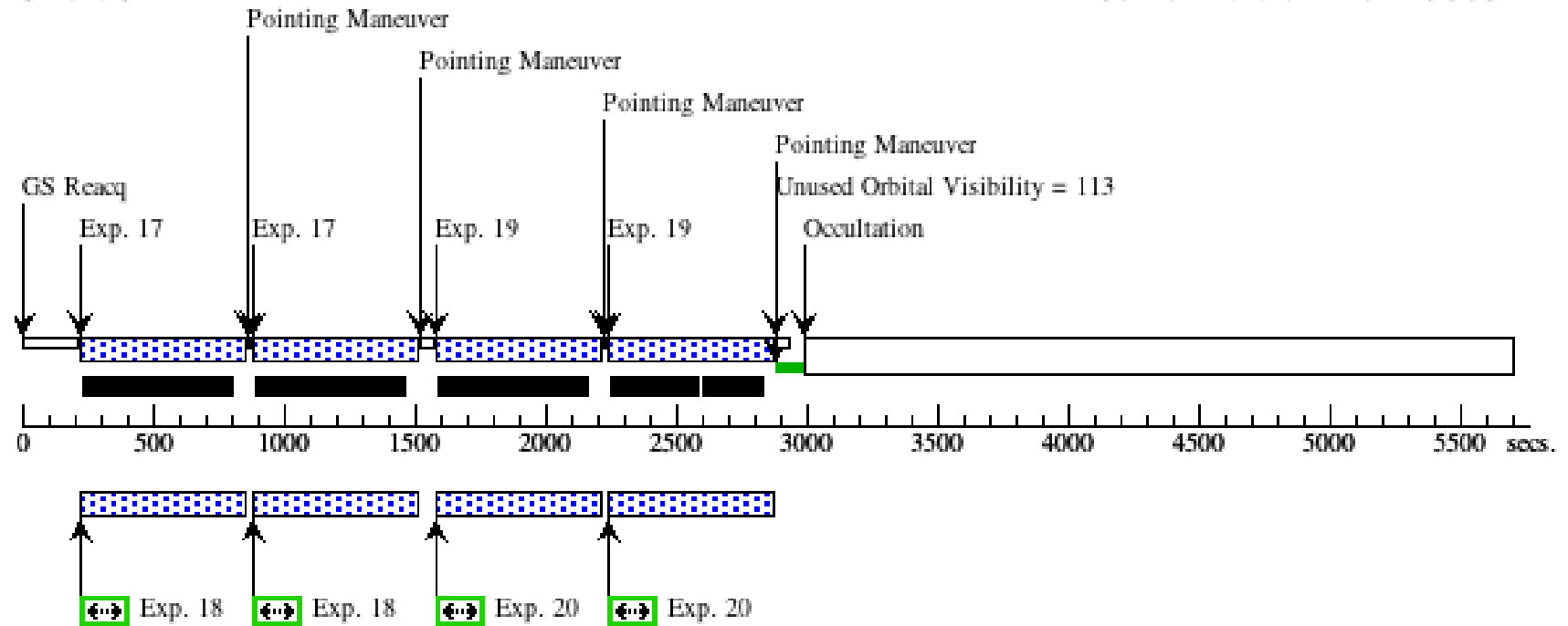
Orbit 4

Server Version: 20140605



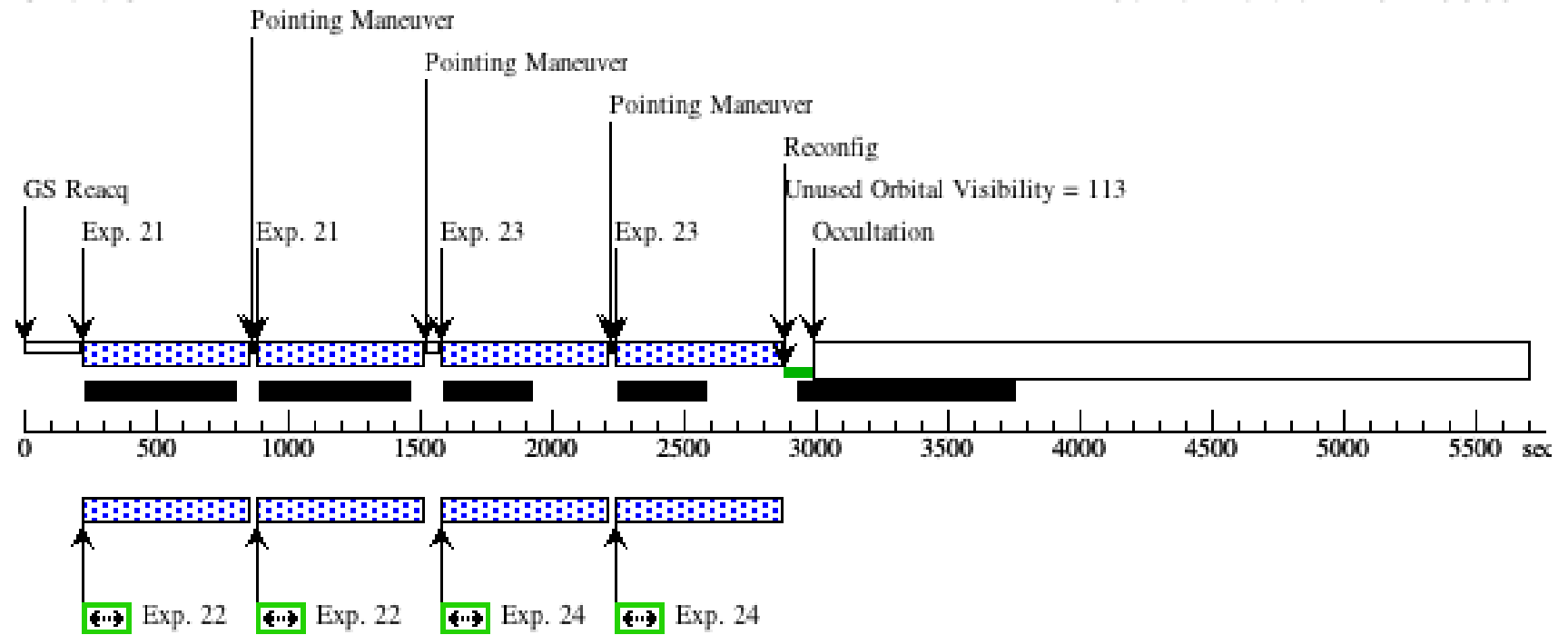
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - IC 1613-2 (08) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, IC 1613-2 (08)					Thu Jul 24 00:09:10 GMT 2014
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/IR, ACS/WFC					
	Special Requirements: SCHED 100%; ORIENT 83D TO 87 D; AFTER 07 BY 1.5 D TO 1.7 D					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	IC-1613-FIELD1	RA: 01 04 31.4000 (16.1308333d) Dec: +02 08 48.00 (2.14667d) Equinox: J2000		V=11.49	Reference Frame: SIMBAD
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
	(28)	IC-1613-FIELD2	RA: 01 04 27.5000 (16.1145833d) Dec: +02 10 7.00 (2.16861d) Equinox: J2000		V=11.49	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

Proposal 13691 - IC 1613-2 (08) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(28) IC-1613-FIELD 2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in IC 1613-2 (08) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(28) IC-1613-FIELD 2	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in IC 1613-2 (08) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in IC 1613-2 (08)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in IC 1613-2 (08) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in IC 1613-2 (08) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(28) IC-1613-FIELD 2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 5-8 Non-Int in IC 1613-2 (08) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 13691 - IC 1613-2 (08) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

6	(28) IC-1613-FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 5-8 Non-Int in IC 1613-2 (08) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]	
7	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 5-8 Non-Int in IC 1613-2 (08) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
8		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 5-8 Non-Int in IC 1613-2 (08) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
9	F160W	(28) IC-1613-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 9-12 Non-Int in IC 1613-2 (08) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
10		(28) IC-1613-FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 9-12 Non-Int in IC 1613-2 (08) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]

Proposal 13691 - IC 1613-2 (08) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

11	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in IC 1613-2 (08) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 9-12 Non-Int in IC 1613-2 (08) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(28) IC-1613-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in IC 1613-2 (08) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(28) IC-1613-FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in IC 1613-2 (08) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in IC 1613-2 (08) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - IC 1613-2 (08) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

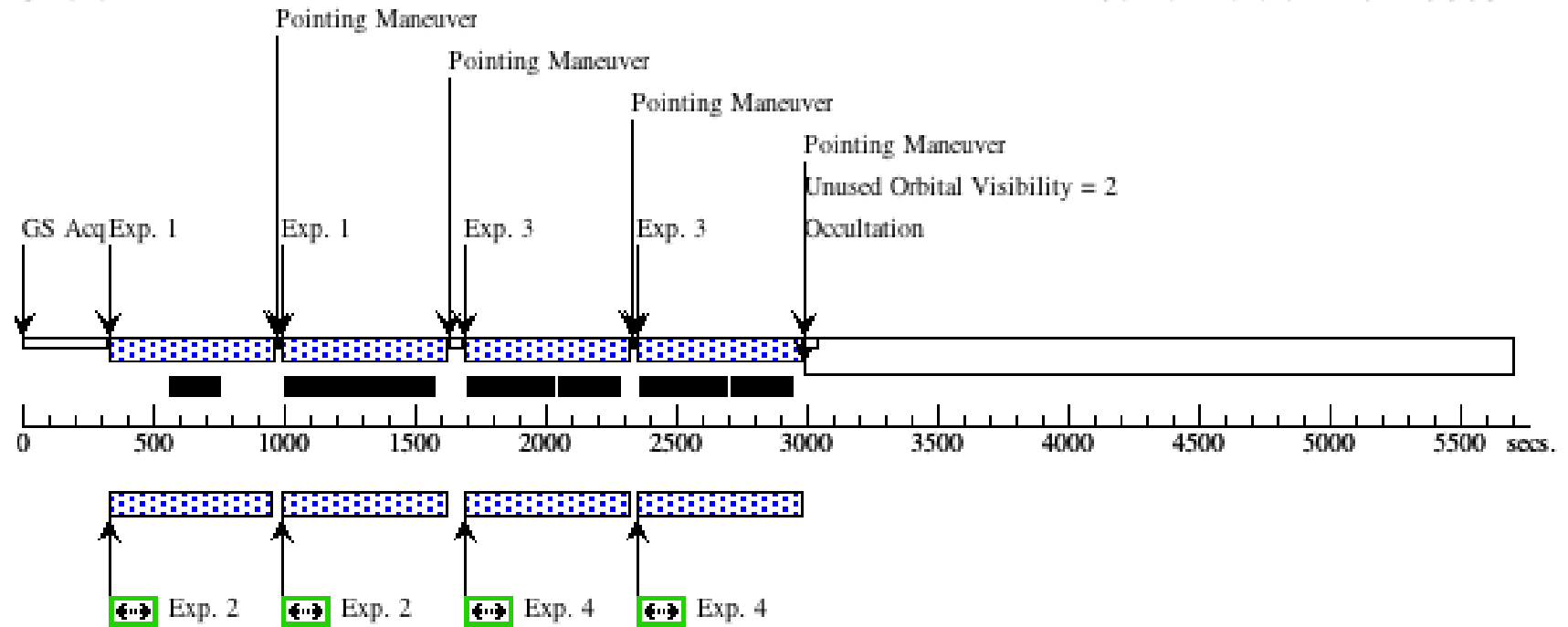
16	(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in IC 1613-2 (08) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]	
17	F160W	(28) IC-1613-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 17-20 Non-Int in IC 1613-2 (08) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
18		(28) IC-1613-FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 17-20 Non-Int in IC 1613-2 (08) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 17-20 Non-Int in IC 1613-2 (08) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
20		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 17-20 Non-Int in IC 1613-2 (08) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

Proposal 13691 - IC 1613-2 (08) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

21	F160W	(28) IC-1613-FIELD 2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in IC 1613-2 (08) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(28) IC-1613-FIELD 2	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in IC 1613-2 (08) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(1) IC-1613-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in IC 1613-2 (08) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-2 (08)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(1) IC-1613-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in IC 1613-2 (08) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-2 (08) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in IC 1613-2 (08)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

Orbit 1

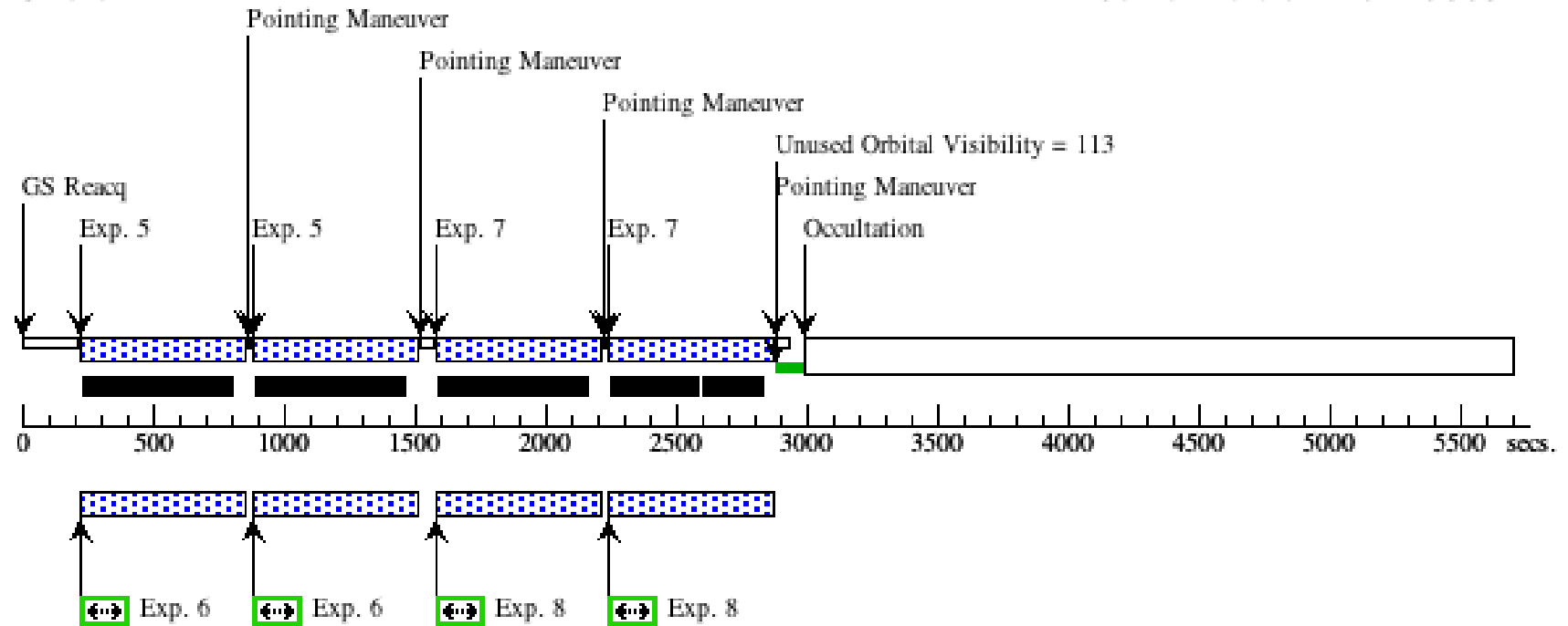
Server Version: 20140605



Orbit Structure

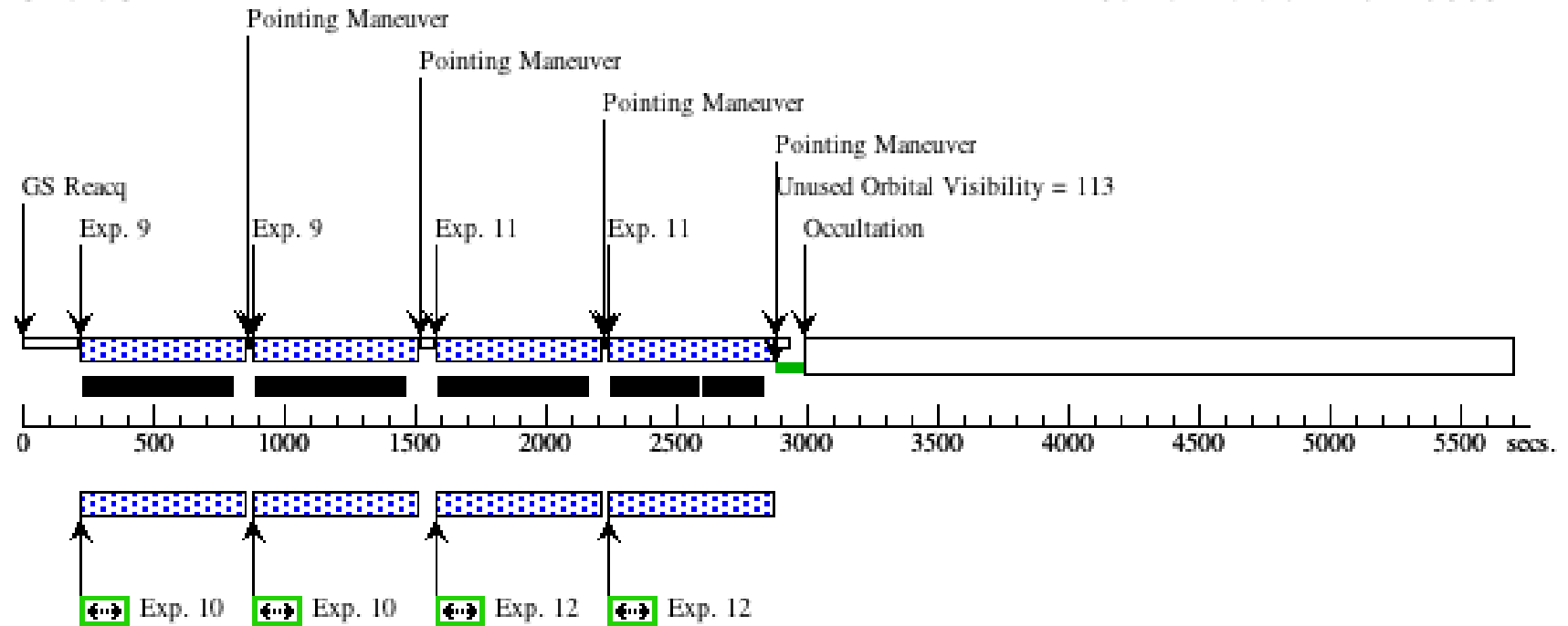
Orbit 2

Server Version: 20140605



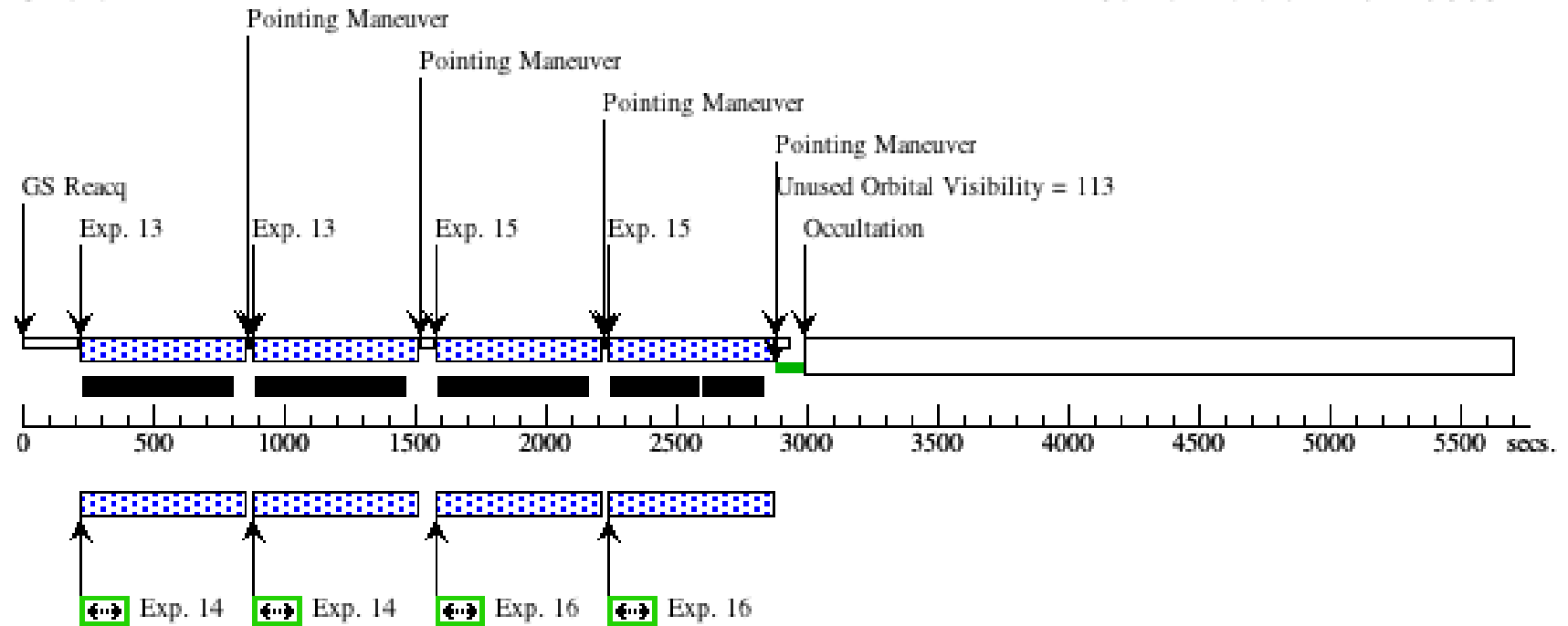
Orbit 3

Server Version: 20140605



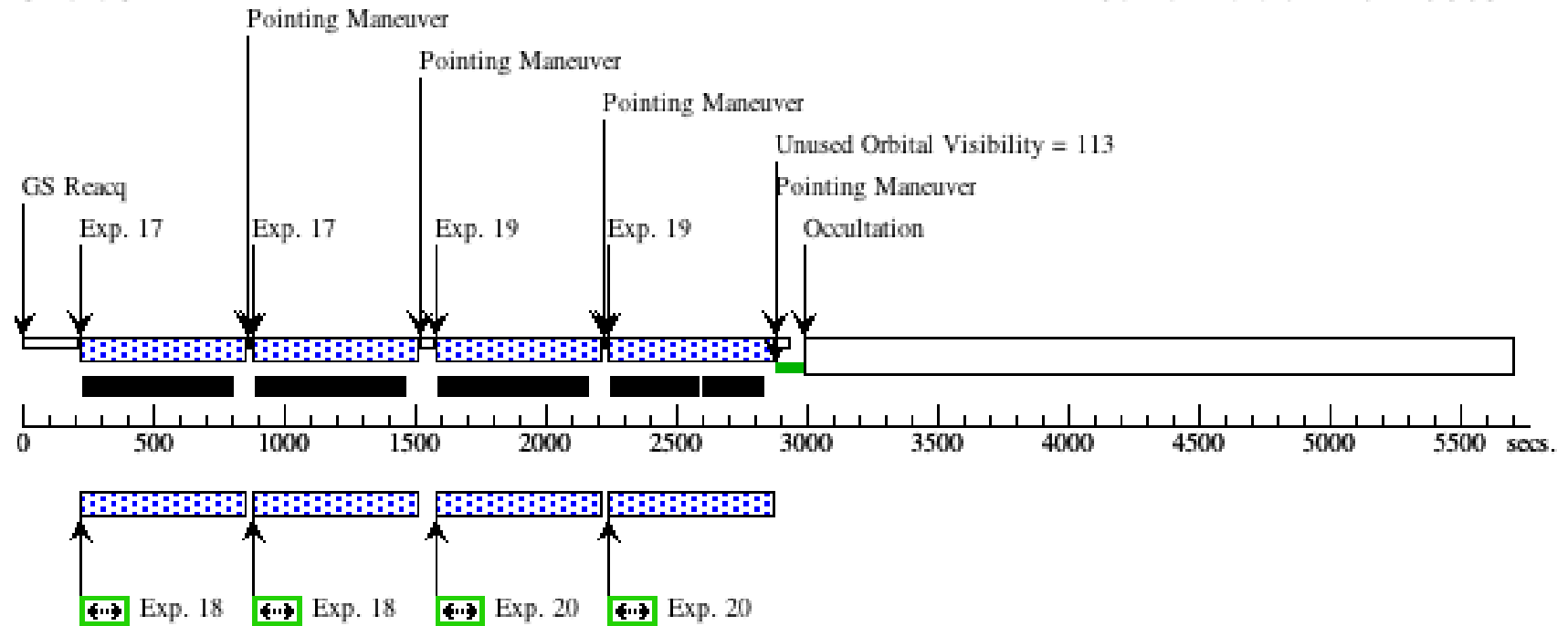
Orbit 4

Server Version: 20140605



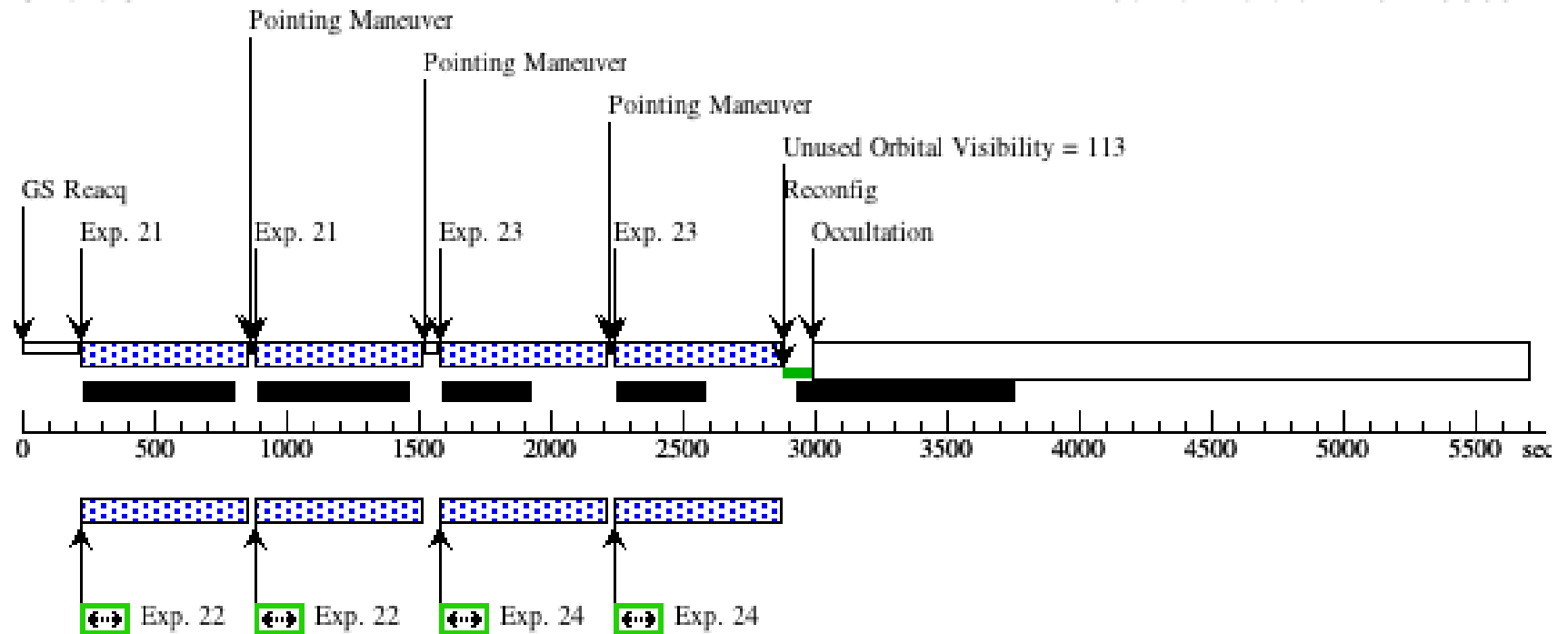
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - M31-1 (09) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, M31-1 (09) Thu Jul 24 00:09:11 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 188D TO 192 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(3)	MESSIER-031-FIELD1	RA: 00 43 25.0000 (10.8541667d) Dec: +40 57 16.00 (40.95444d) Equinox: J2000		V=7.96
Fixed Targets	Comments: This object was generated by the targetselector and retrieved from the NED database.				
	(29)	MESSIER-031-FIELD2	RA: 00 43 15.3000 (10.8137500d) Dec: +40 57 15.00 (40.95417d) Equinox: J2000		V=7.96
Fixed Targets	Comments: This object was generated by the targetselector and retrieved from the NED database.				
	Reference Frame: NED				

Proposal 13691 - M31-1 (09) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(29) MESSIER-031-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M31-1 (09) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-1 (09) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(29) MESSIER-031-FIELD2	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in M31-1 (09) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-1 (09) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-1 (09)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(3) MESSIER-031-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M31-1 (09) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-1 (09) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(3) MESSIER-031-FIELD1	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in M31-1 (09) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-1 (09) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(29) MESSIER-031-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 5-8 Non-Int in M31-1 (09) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-1 (09) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 13691 - M31-1 (09) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

6	(29) MESSIER-031- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 5-8 Non-Int in M31-1 (09) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-1 (09) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
7	F160W (3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 5-8 Non-Int in M31-1 (09) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-1 (09) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
8	(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 5-8 Non-Int in M31-1 (09) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-1 (09) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
9	F160W (29) MESSIER-031- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M31-1 (09) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-1 (09) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
10	(29) MESSIER-031- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 9-12 Non-Int in M31-1 (09) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-1 (09) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]

Proposal 13691 - M31-1 (09) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

11	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M31-1 (09) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-1 (09) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 9-12 Non-Int in M31-1 (09) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-1 (09) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(29) MESSIER-031-F FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M31-1 (09) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-1 (09) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(29) MESSIER-031-F FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in M31-1 (09) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-1 (09) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M31-1 (09) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-1 (09) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - M31-1 (09) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

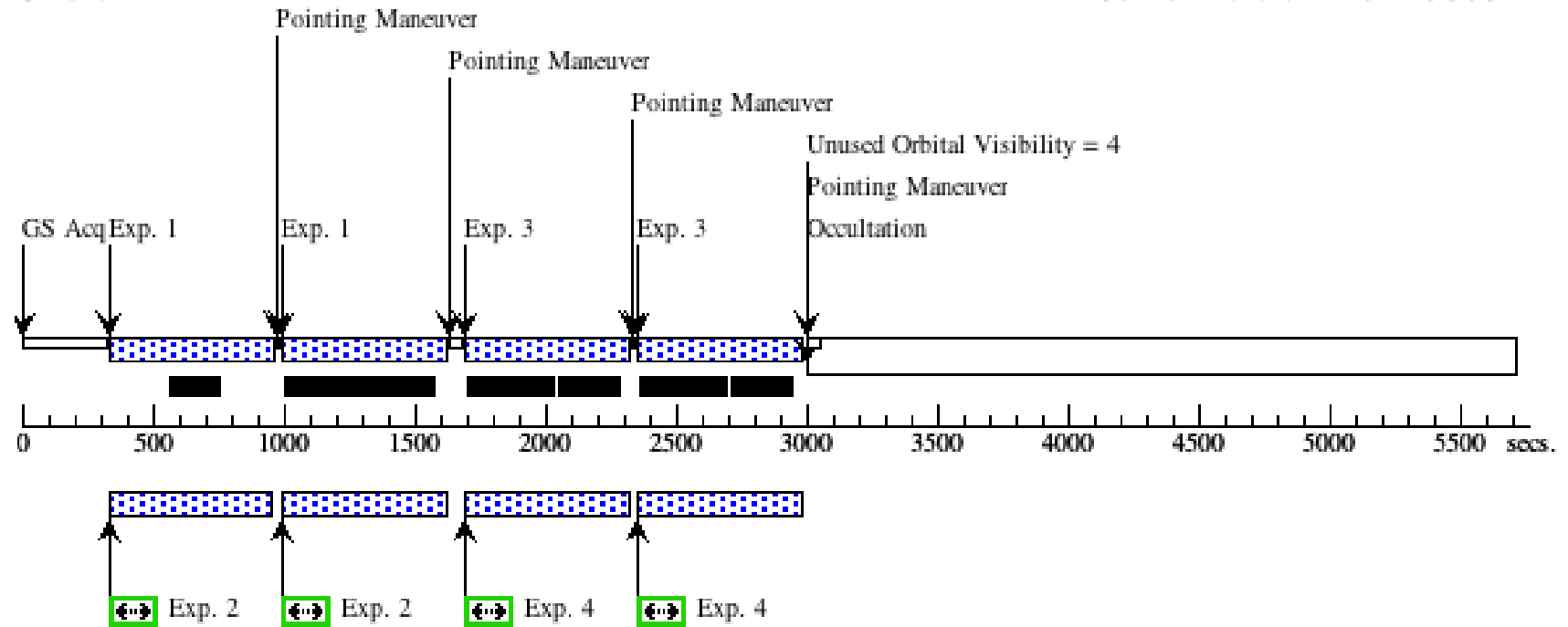
16	(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in M31-1 (09) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-1 (09) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]	
17	F160W	(29) MESSIER-031-F FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 17-20 Non-Int in M31-1 (09) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-1 (09) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
18		(29) MESSIER-031-F FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 17-20 Non-Int in M31-1 (09) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-1 (09) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 17-20 Non-Int in M31-1 (09) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-1 (09) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
20		(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 17-20 Non-Int in M31-1 (09) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-1 (09) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

Proposal 13691 - M31-1 (09) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

21	F160W	(29) MESSIER-031- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M31-1 (09) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-1 (09) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(29) MESSIER-031- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in M31-1 (09) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-1 (09) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M31-1 (09) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-1 (09) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-1 (09)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in M31-1 (09) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-1 (09) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-1 (09)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

Orbit 1

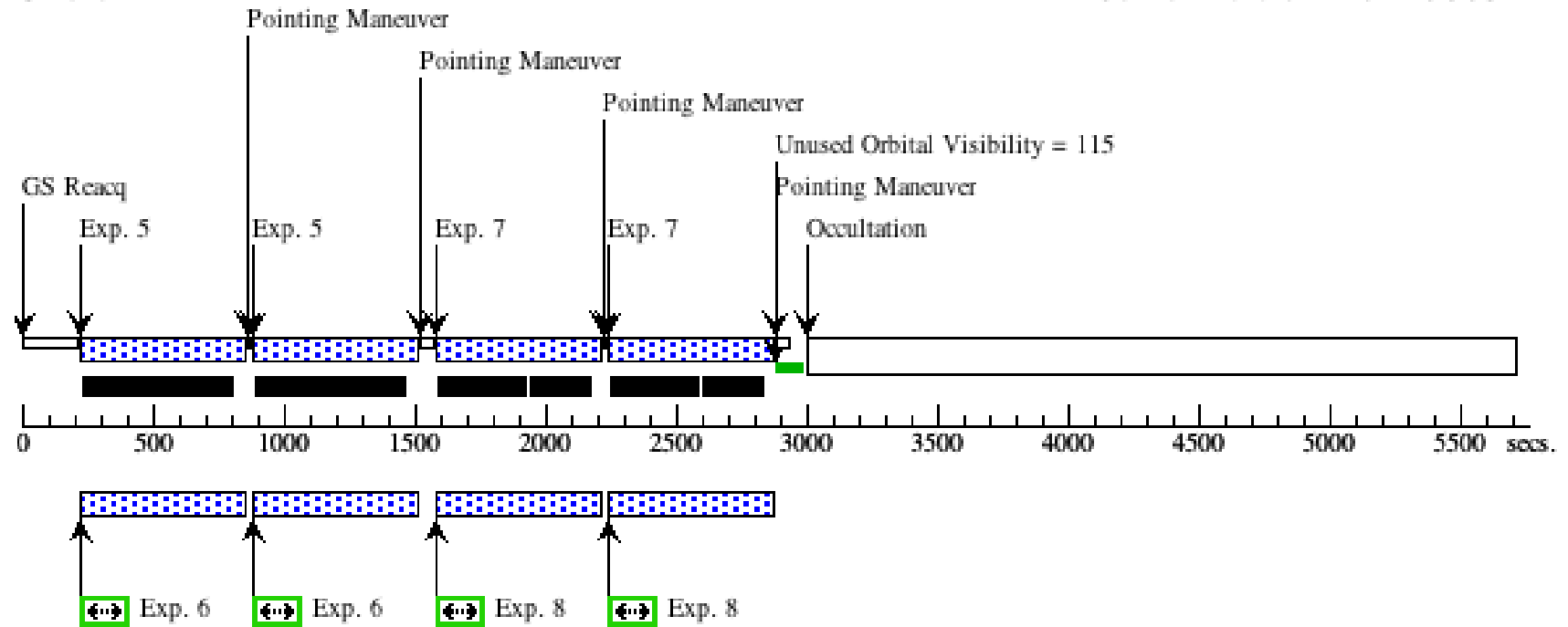
Server Version: 20140605



Orbit Structure

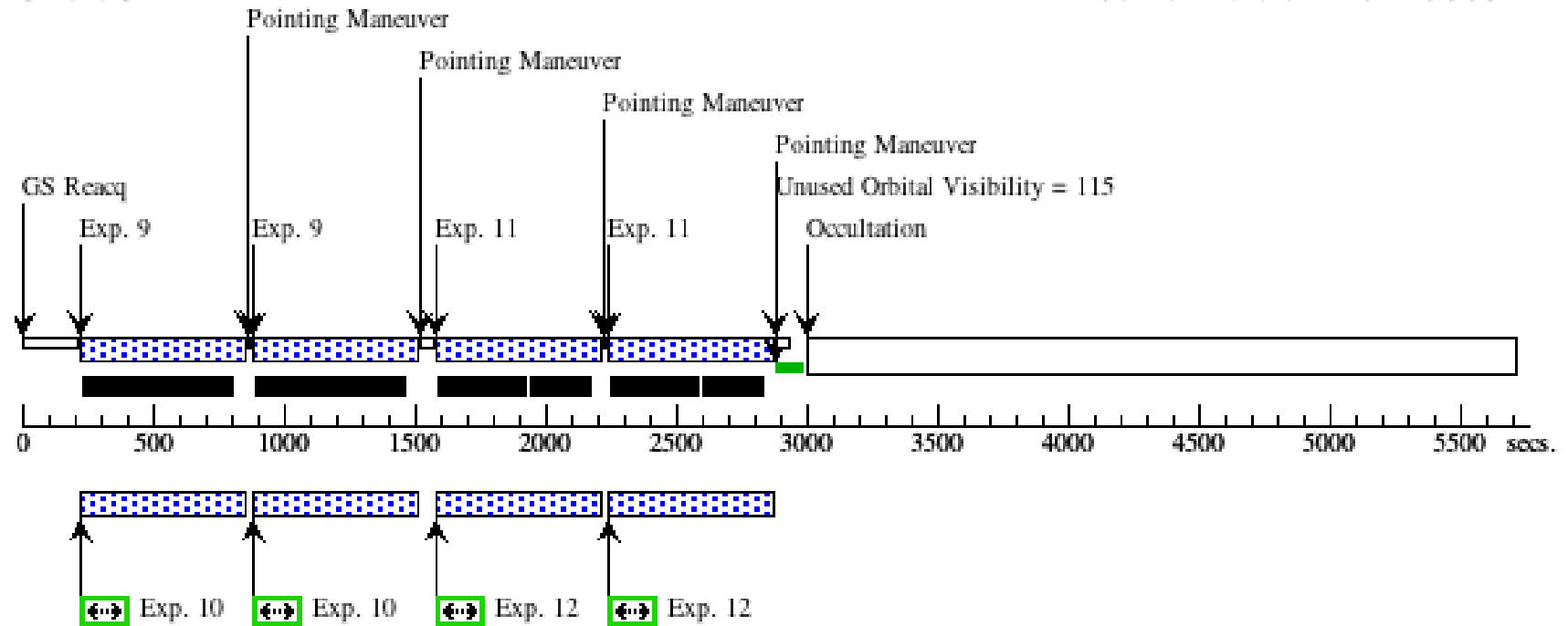
Orbit 2

Server Version: 20140605



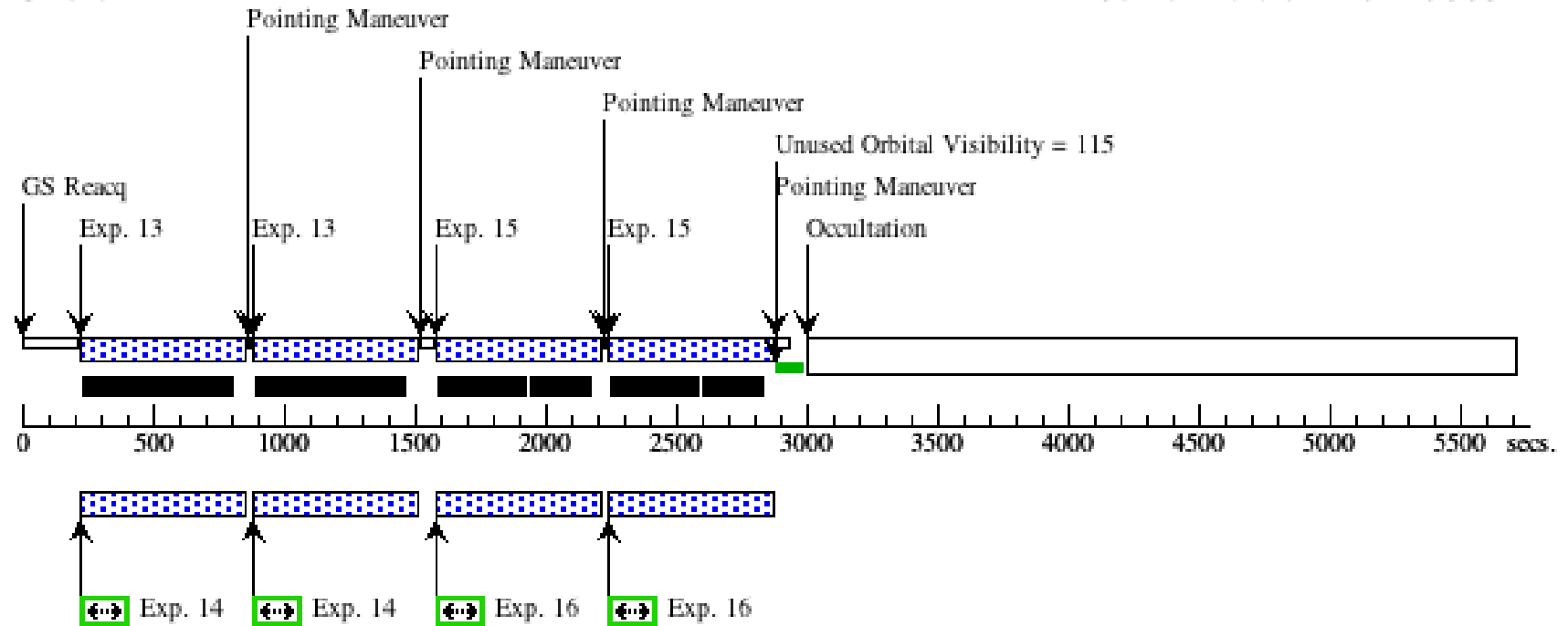
Orbit 3

Server Version: 20140605



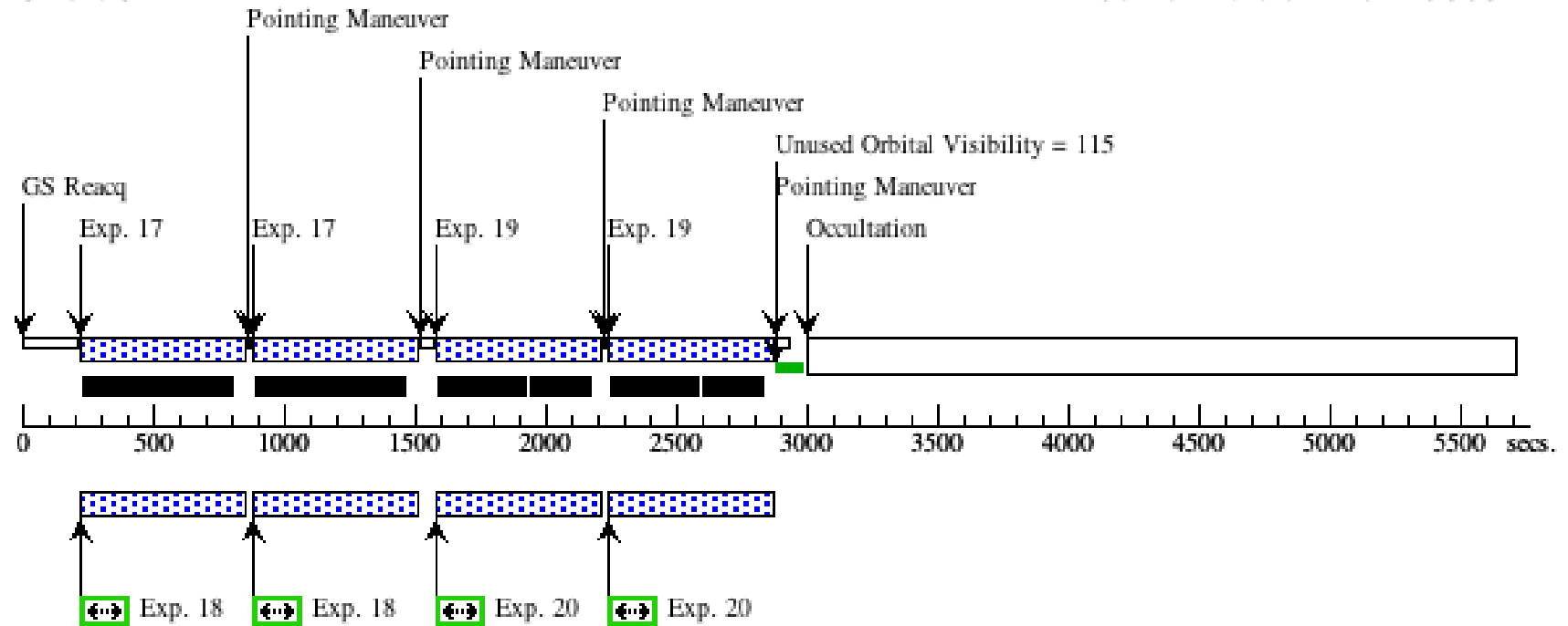
Orbit 4

Server Version: 20140605



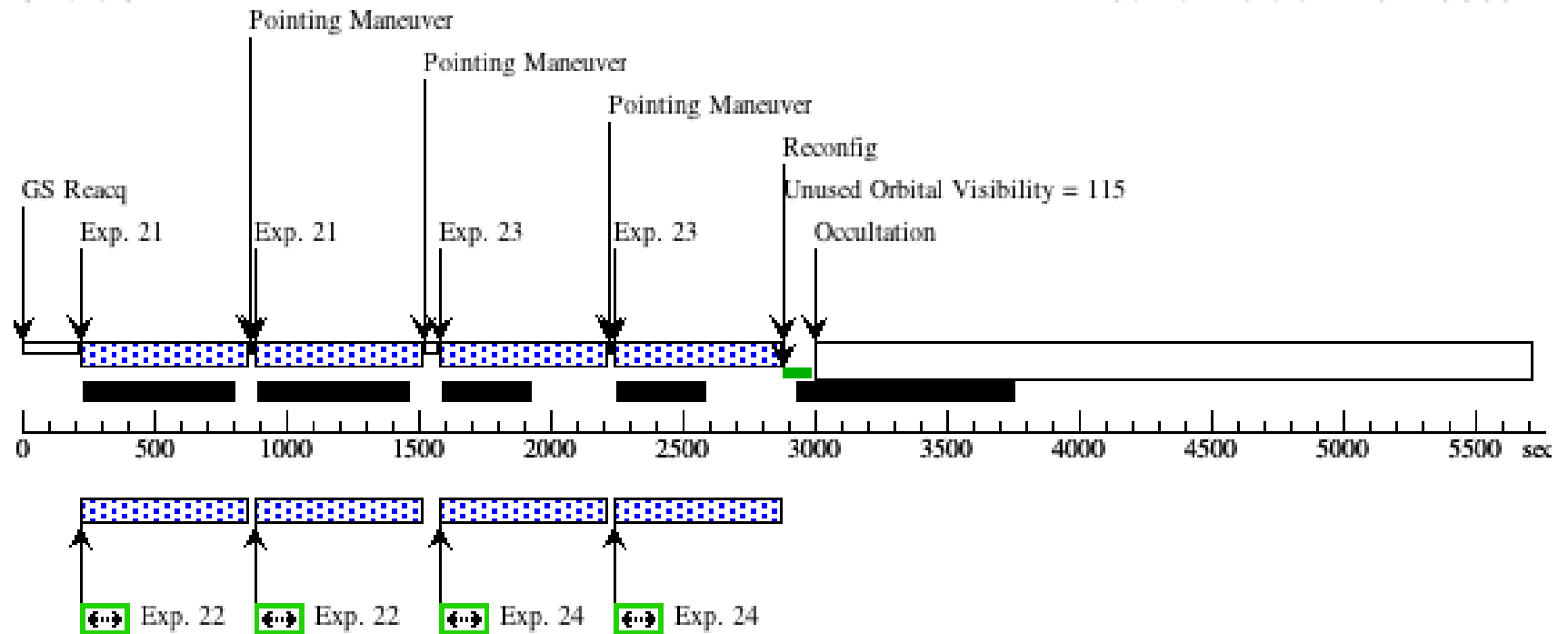
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - M31-2 (10) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, M31-2 (10) Thu Jul 24 00:09:11 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 188D TO 192 D; AFTER 09 BY 1.5 D TO 1.7 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(3)	MESSIER-031-FIELD1	RA: 00 43 25.0000 (10.8541667d) Dec: +40 57 16.00 (40.95444d) Equinox: J2000		V=7.96
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>				
	(29)	MESSIER-031-FIELD2	RA: 00 43 15.3000 (10.8137500d) Dec: +40 57 15.00 (40.95417d) Equinox: J2000		V=7.96
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>				
	Reference Frame: NED				

Proposal 13691 - M31-2 (10) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(29) MESSIER-031-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Sequence 1-4 Non-Int in M31-2 (10) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-2 (10) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(29) MESSIER-031-FIELD2	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in M31-2 (10) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-2 (10) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M31-2 (10)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(3) MESSIER-031-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Sequence 1-4 Non-Int in M31-2 (10) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-2 (10) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(3) MESSIER-031-FIELD1	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in M31-2 (10) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-2 (10) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(29) MESSIER-031-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Sequence 5-8 Non-Int in M31-2 (10) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-2 (10) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 13691 - M31-2 (10) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

6	(29) MESSIER-031- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in M31-2 (10) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-2 (10) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
7	F160W (3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 5-8 Non-Int in M31-2 (10) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-2 (10) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
8	(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in M31-2 (10) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-2 (10) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
9	F160W (29) MESSIER-031- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M31-2 (10) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-2 (10) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
10	(29) MESSIER-031- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in M31-2 (10) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-2 (10) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]

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11	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M31-2 (10) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-2 (10) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in M31-2 (10) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-2 (10) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(29) MESSIER-031-F FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M31-2 (10) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-2 (10) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(29) MESSIER-031-F FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 13-16 Non-Int in M31-2 (10) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-2 (10) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M31-2 (10) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-2 (10) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

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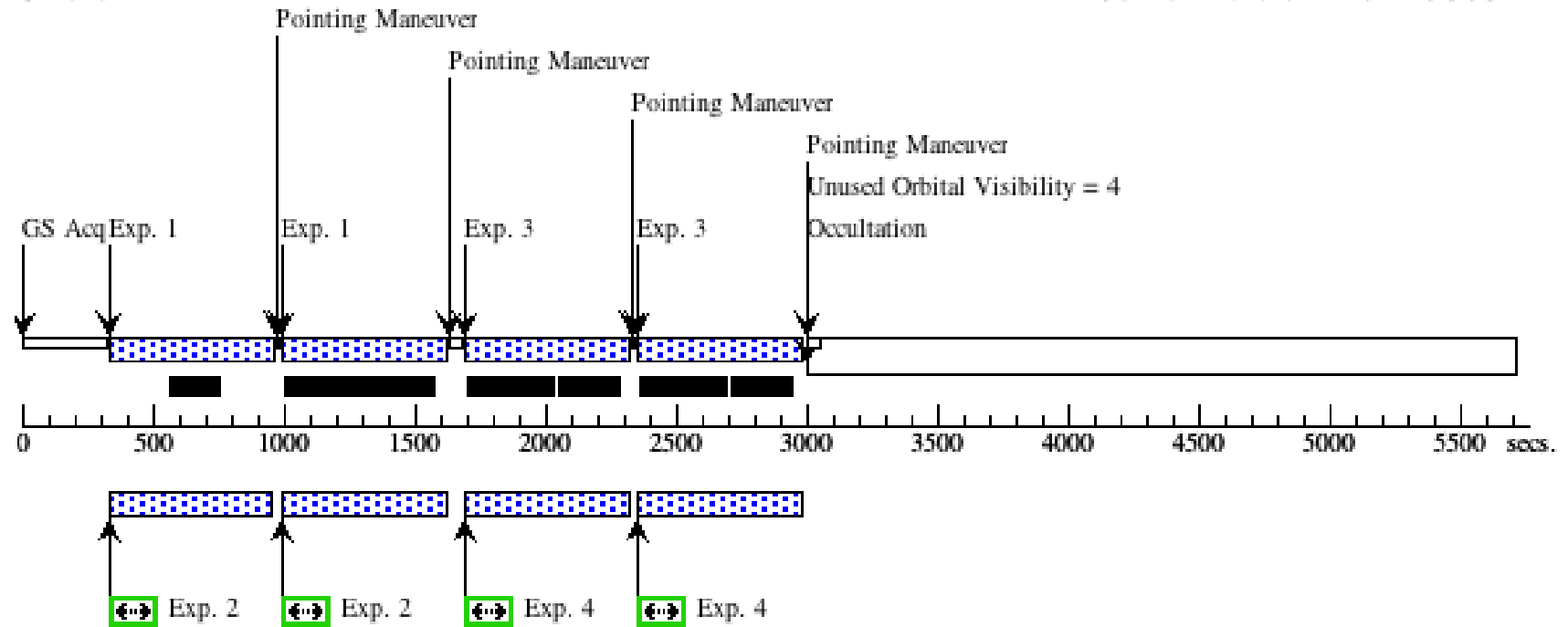
16	(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 13-16 Non-Int in M31-2 (10) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-2 (10) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
17	F160W	(29) MESSIER-031-F FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00 Sequence 17-20 Non-Int in M31-2 (10) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-2 (10) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
18		(29) MESSIER-031-F FIELD2	ACS/WFC, ACCUM, WFC	F606W	Sequence 17-20 Non-Int in M31-2 (10) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-2 (10) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00 Sequence 17-20 Non-Int in M31-2 (10) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-2 (10) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
20		(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F606W	Sequence 17-20 Non-Int in M31-2 (10) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-2 (10) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

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21	F160W	(29) MESSIER-031- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M31-2 (10) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-2 (10) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(29) MESSIER-031- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in M31-2 (10) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-2 (10) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(3) MESSIER-031-F IELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M31-2 (10) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-2 (10) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-2 (10)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(3) MESSIER-031-F IELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in M31-2 (10) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-2 (10) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M31-2 (10)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

Orbit 1

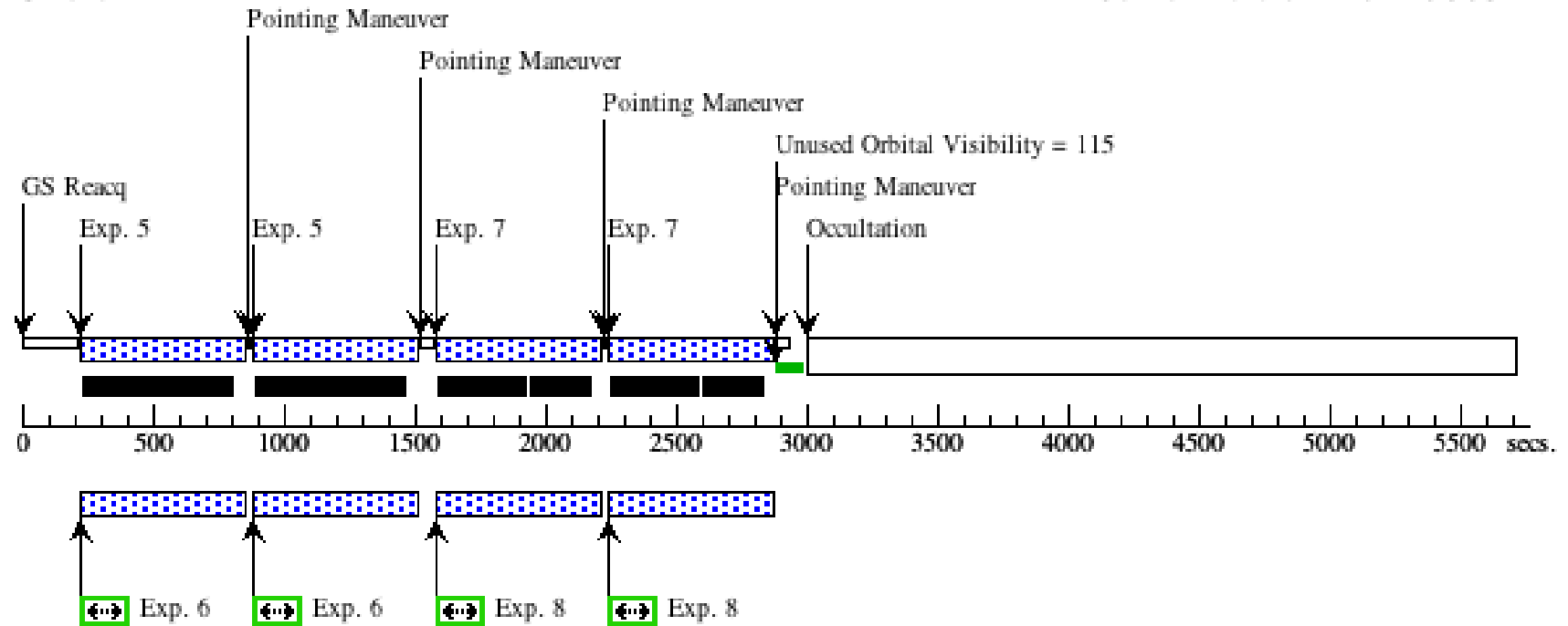
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Orbit Structure

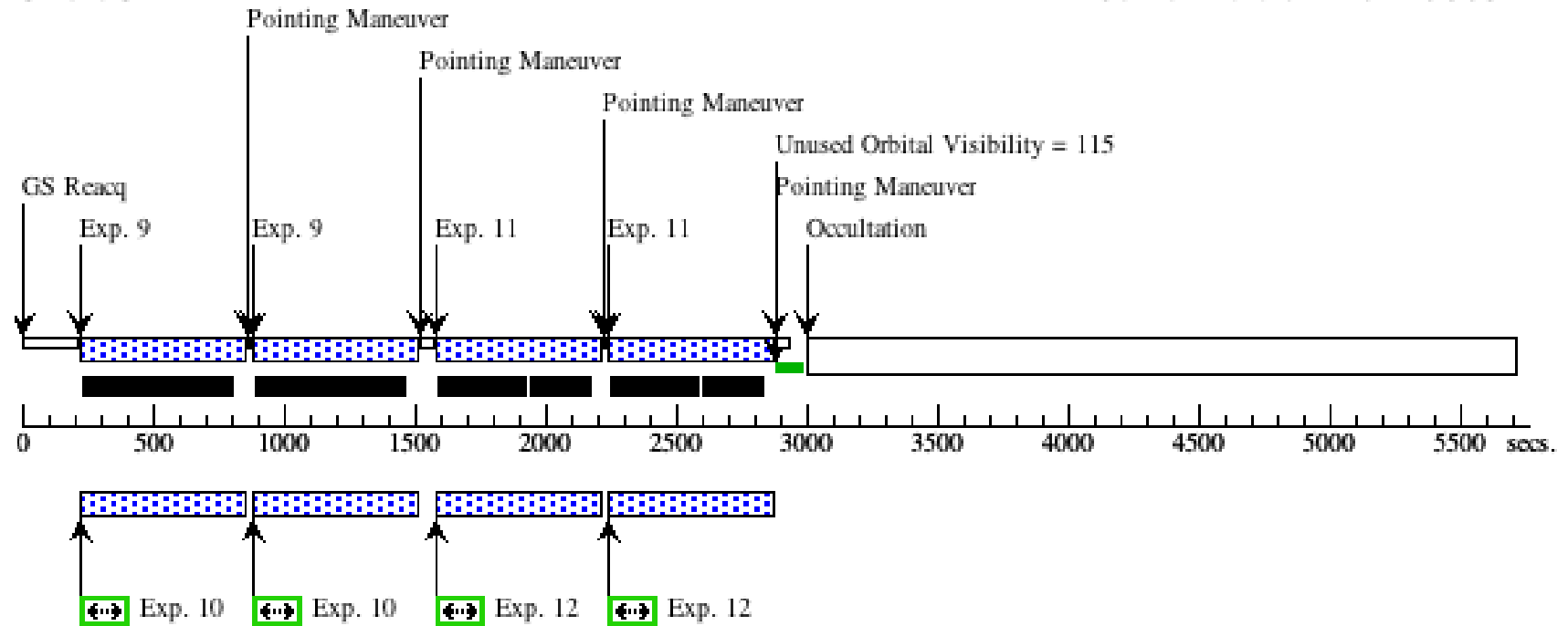
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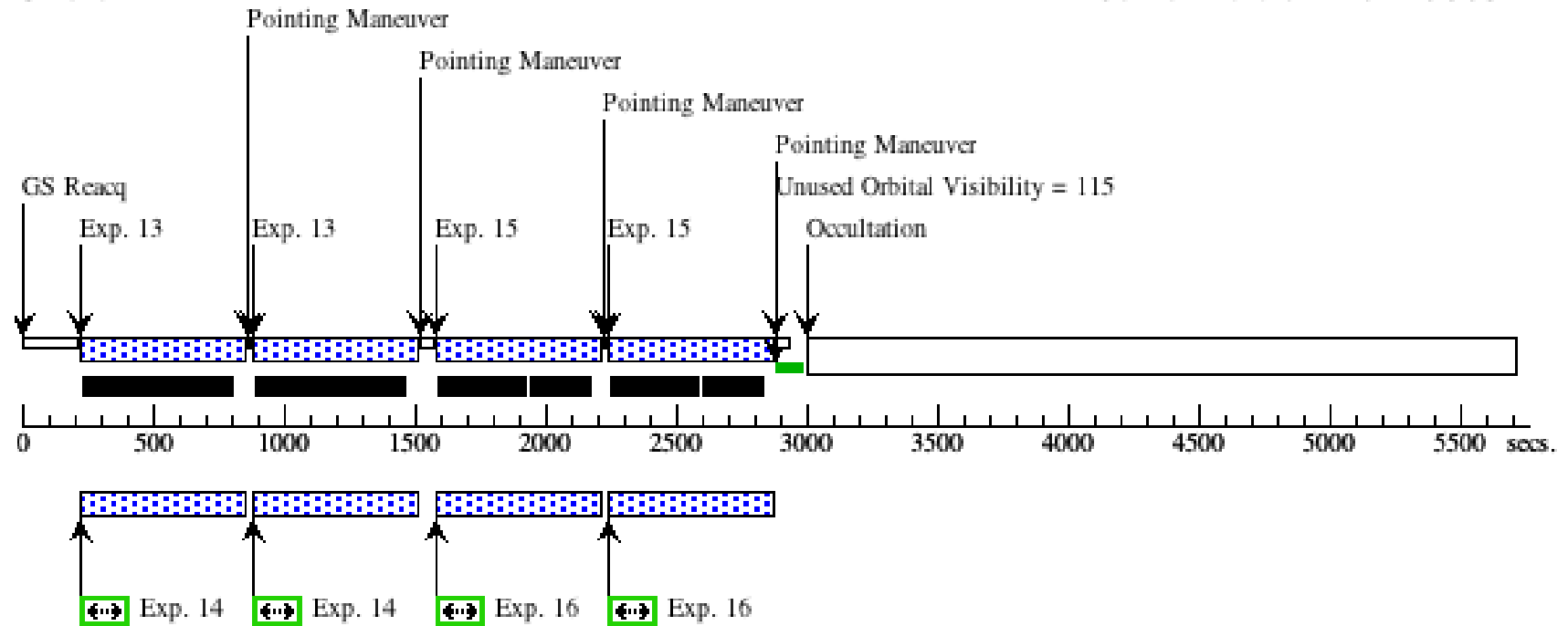
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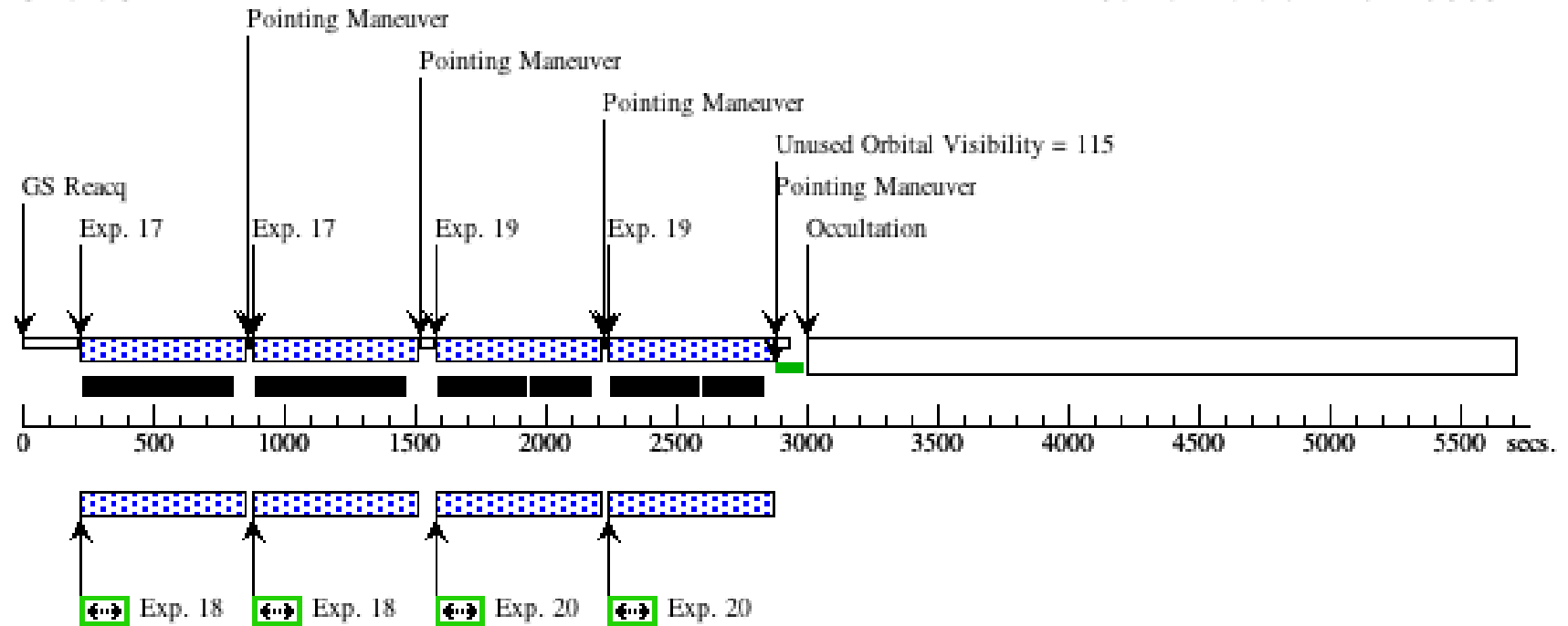
Orbit 4

Server Version: 20140605



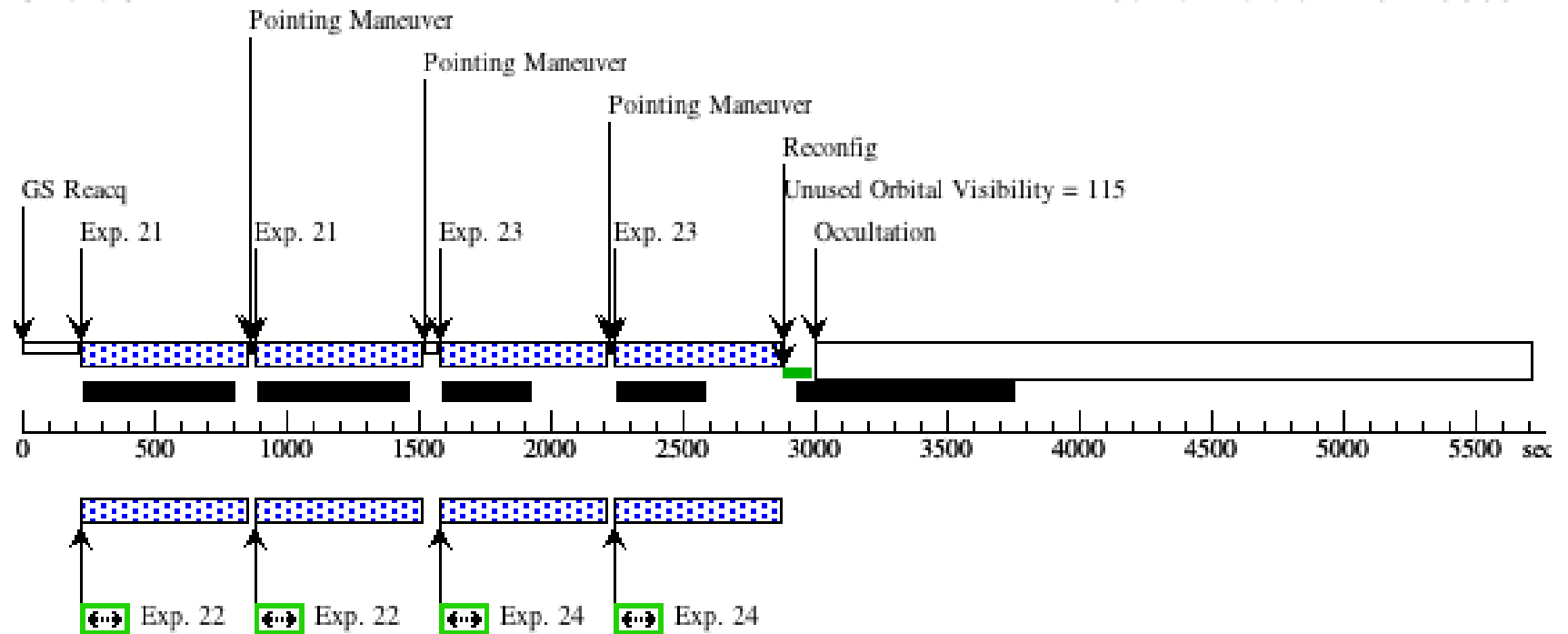
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - M32-1 (11) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, M32-1 (11) Thu Jul 24 00:09:11 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 43D TO 47 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(20)	MESSIER-032-FIELD1	RA: 00 42 58.1000 (10.7420833d) Dec: +40 51 30.00 (40.85833d) Equinox: J2000		V=9.72
	Comments: This object was generated by the targetselector and retrieved from the NED database.				
Fixed Targets	(31)	MESSIER-032-FIELD2	RA: 00 42 50.7000 (10.7112500d) Dec: +40 50 10.00 (40.83611d) Equinox: J2000		V=9.72
	Comments: This object was generated by the targetselector and retrieved from the NED database.				

Proposal 13691 - M32-1 (11) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(20) MESSIER-032-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M32-1 (11) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-1 (11) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(20) MESSIER-032-FIELD1	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in M32-1 (11) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-1 (11) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-1 (11)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(31) MESSIER-032-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M32-1 (11) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-1 (11) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(31) MESSIER-032-FIELD2	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in M32-1 (11) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-1 (11) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(20) MESSIER-032-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 5-8 Non-Int in M32-1 (11) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-1 (11) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 13691 - M32-1 (11) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

6	(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 5-8 Non-Int in M32-1 (11) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-1 (11) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
7	F160W (31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 5-8 Non-Int in M32-1 (11) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-1 (11) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
8	(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 5-8 Non-Int in M32-1 (11) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-1 (11) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
9	F160W (20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M32-1 (11) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-1 (11) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
10	(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 9-12 Non-Int in M32-1 (11) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-1 (11) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]

Proposal 13691 - M32-1 (11) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

11	F160W	(31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M32-1 (11) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-1 (11) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 9-12 Non-Int in M32-1 (11) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-1 (11) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M32-1 (11) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-1 (11) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in M32-1 (11) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-1 (11) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M32-1 (11) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-1 (11) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - M32-1 (11) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

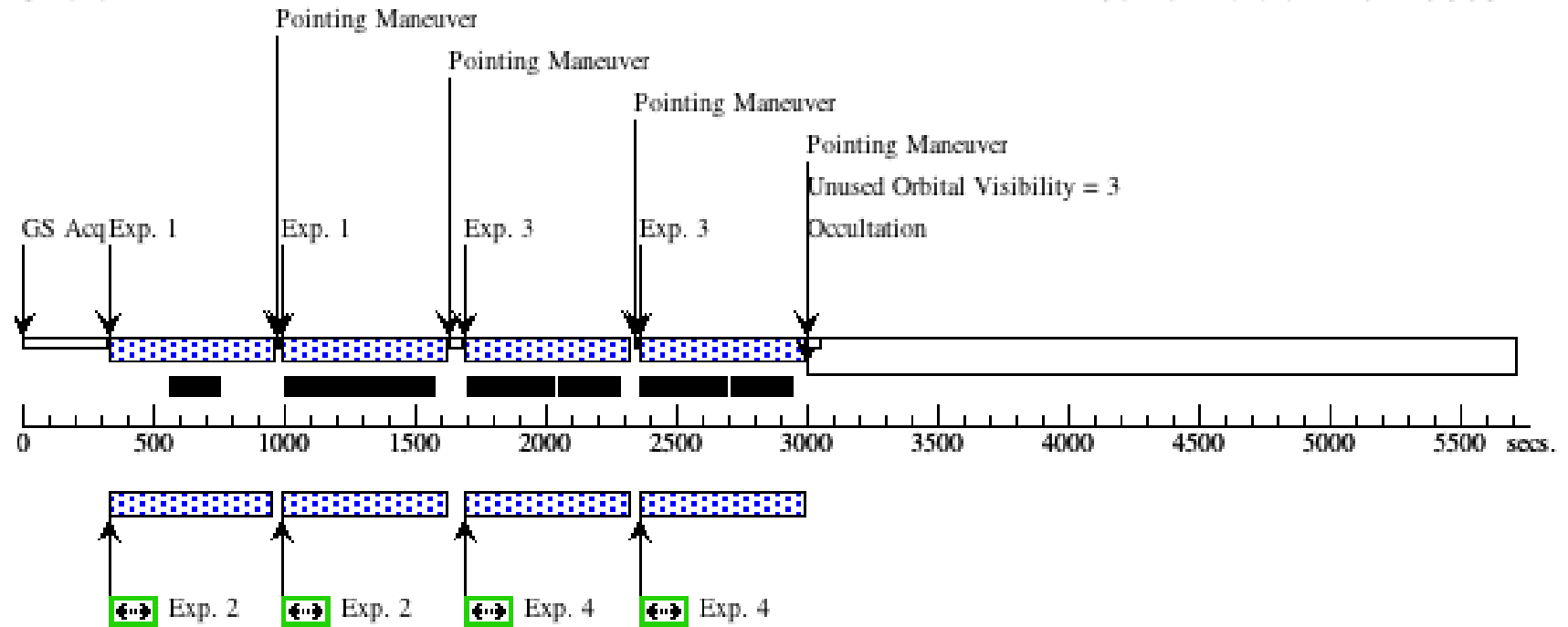
16	(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in M32-1 (11) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-1 (1) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
17	F160W (20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 17-20 Non-Int in M32-1 (11) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-1 (1) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
18	(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 17-20 Non-Int in M32-1 (11) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-1 (1) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W (31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 17-20 Non-Int in M32-1 (11) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-1 (1) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
20	(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 17-20 Non-Int in M32-1 (11) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-1 (1) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

Proposal 13691 - M32-1 (11) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

21	F160W	(20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M32-1 (11) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-1 (1) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in M32-1 (11) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-1 (1) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M32-1 (11) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-1 (1) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-1 (11)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in M32-1 (11) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-1 (1) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-1 (11)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

Orbit 1

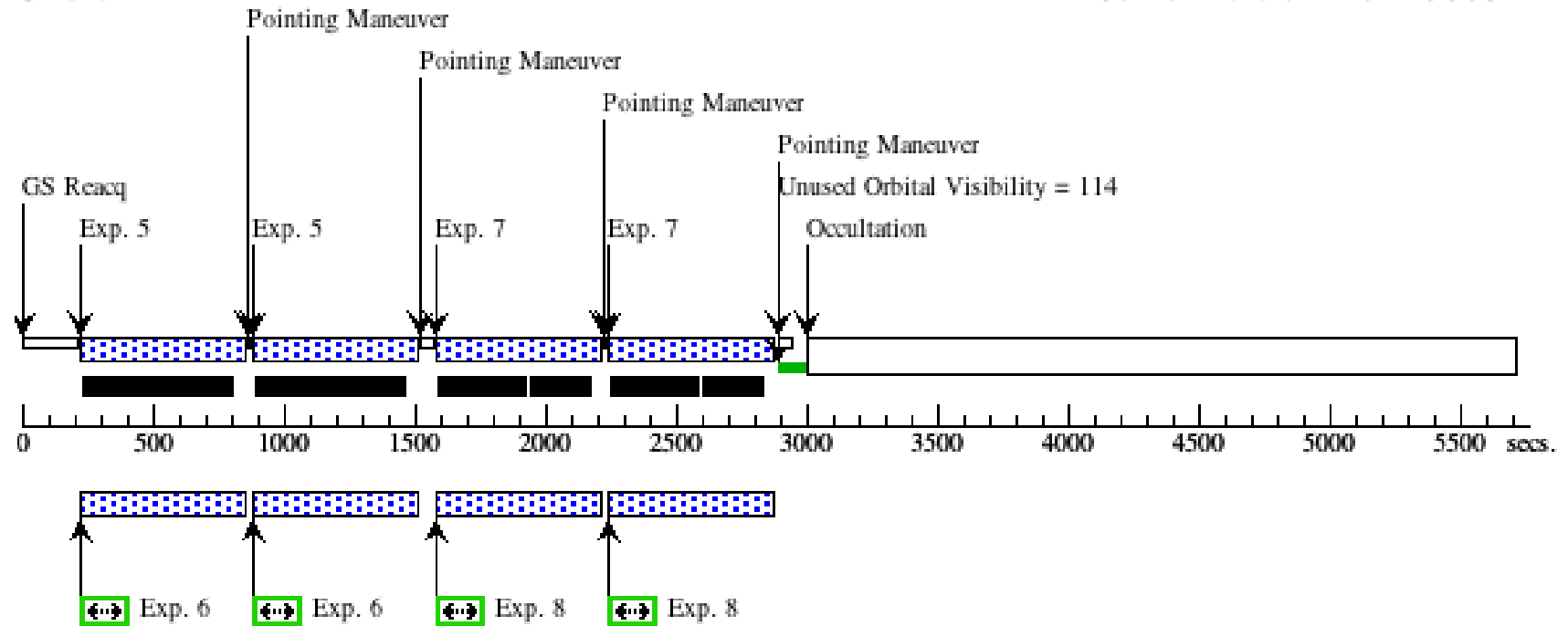
Server Version: 20140605



Orbit Structure

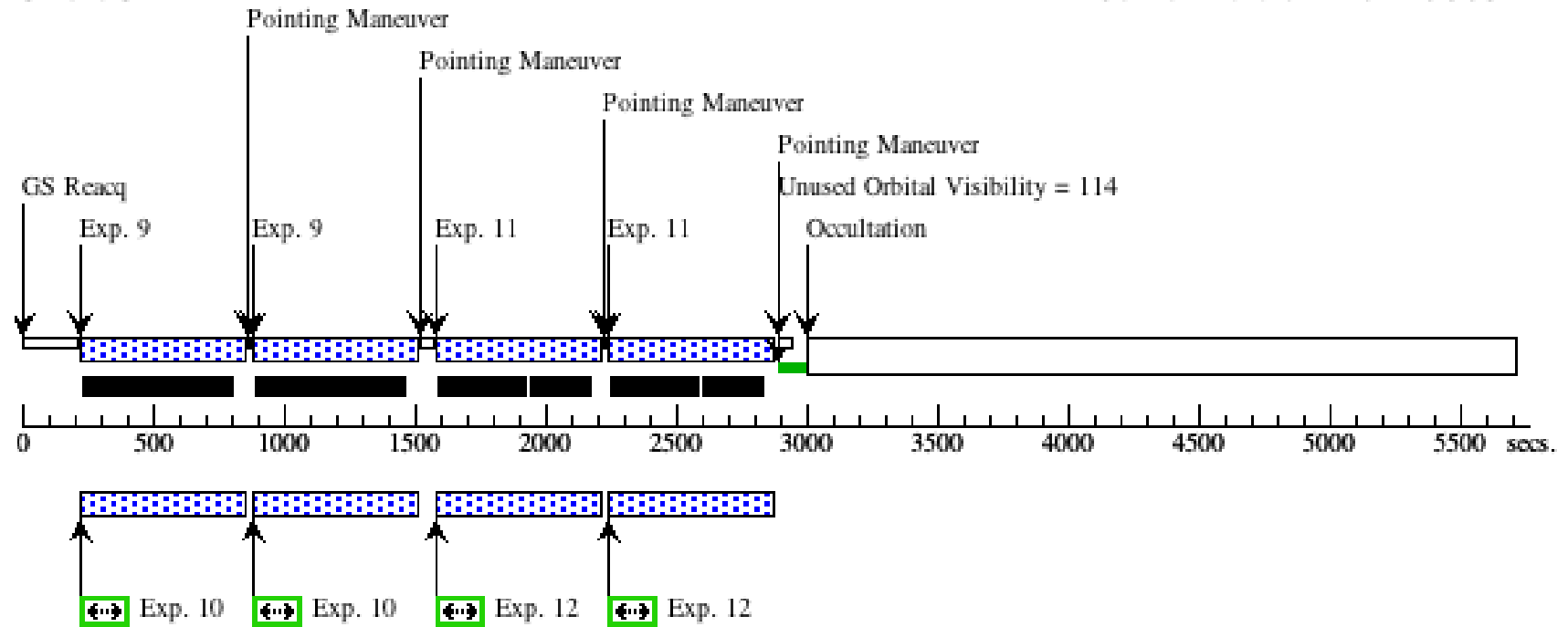
Orbit 2

Server Version: 20140605



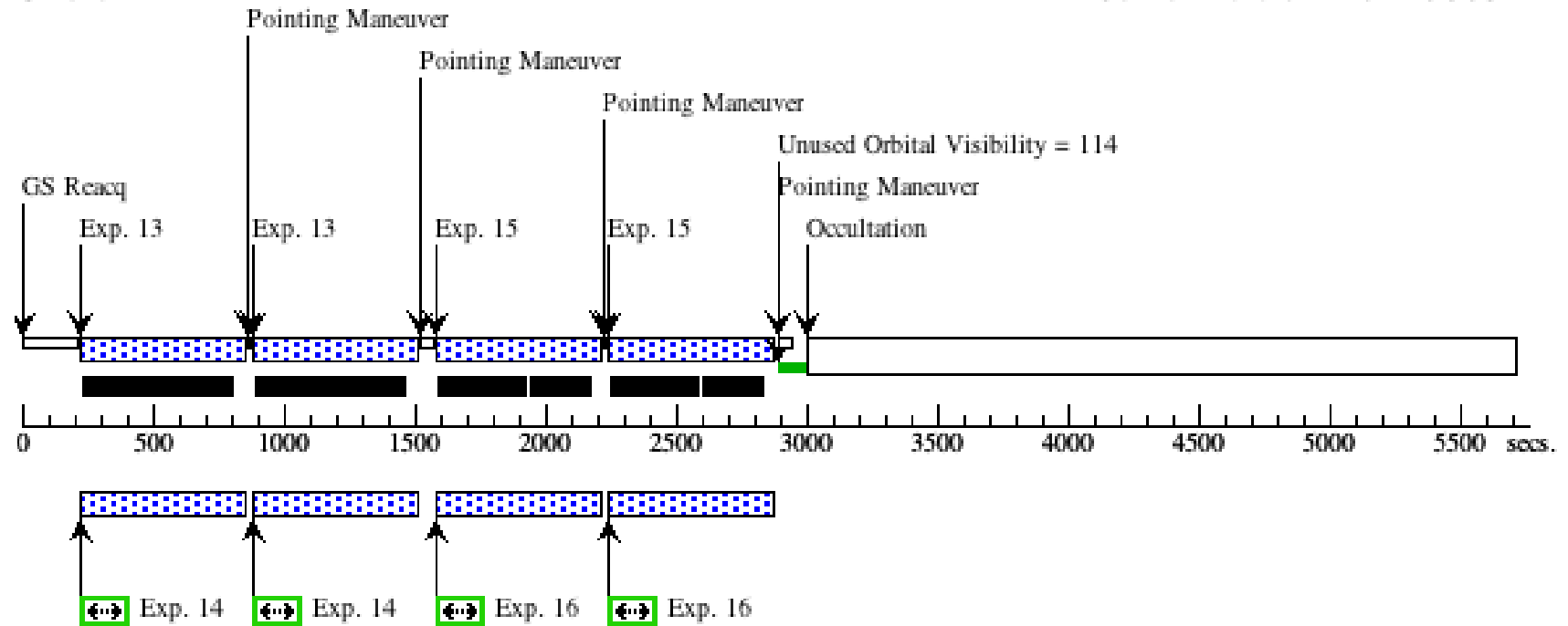
Orbit 3

Server Version: 20140605



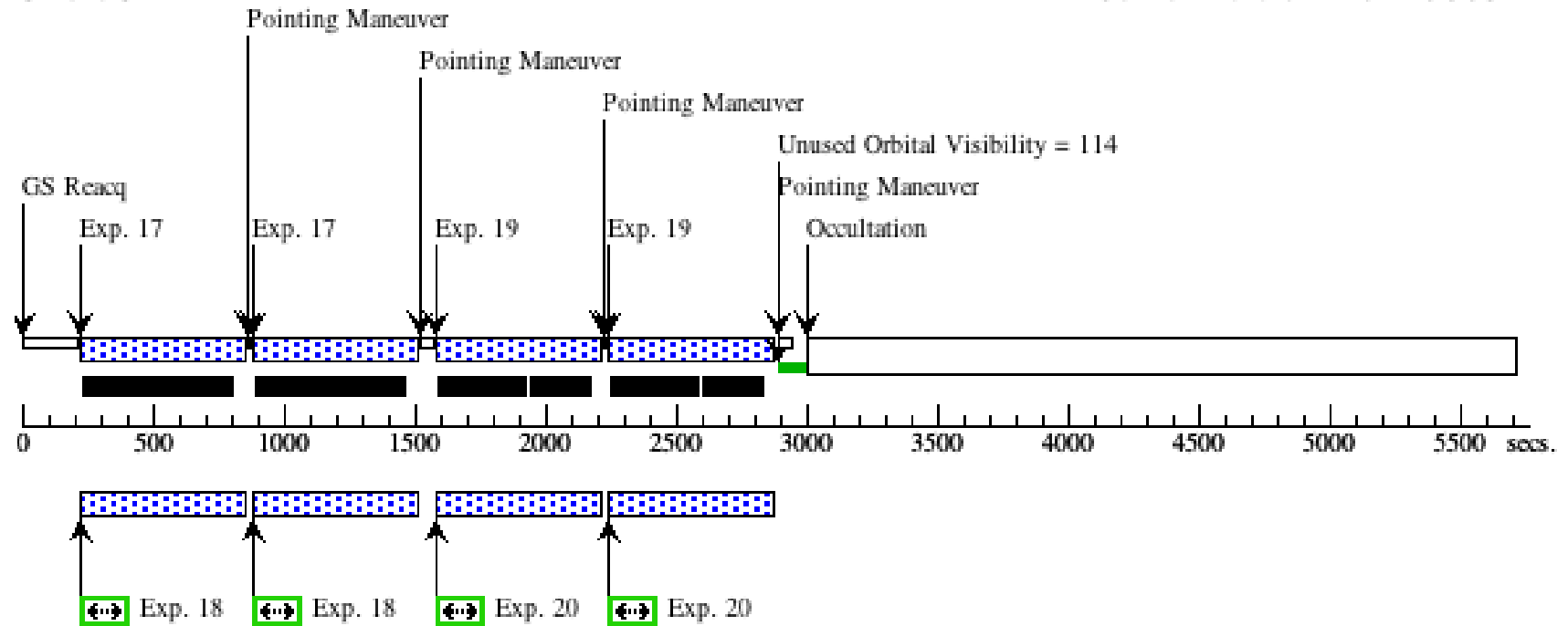
Orbit 4

Server Version: 20140605



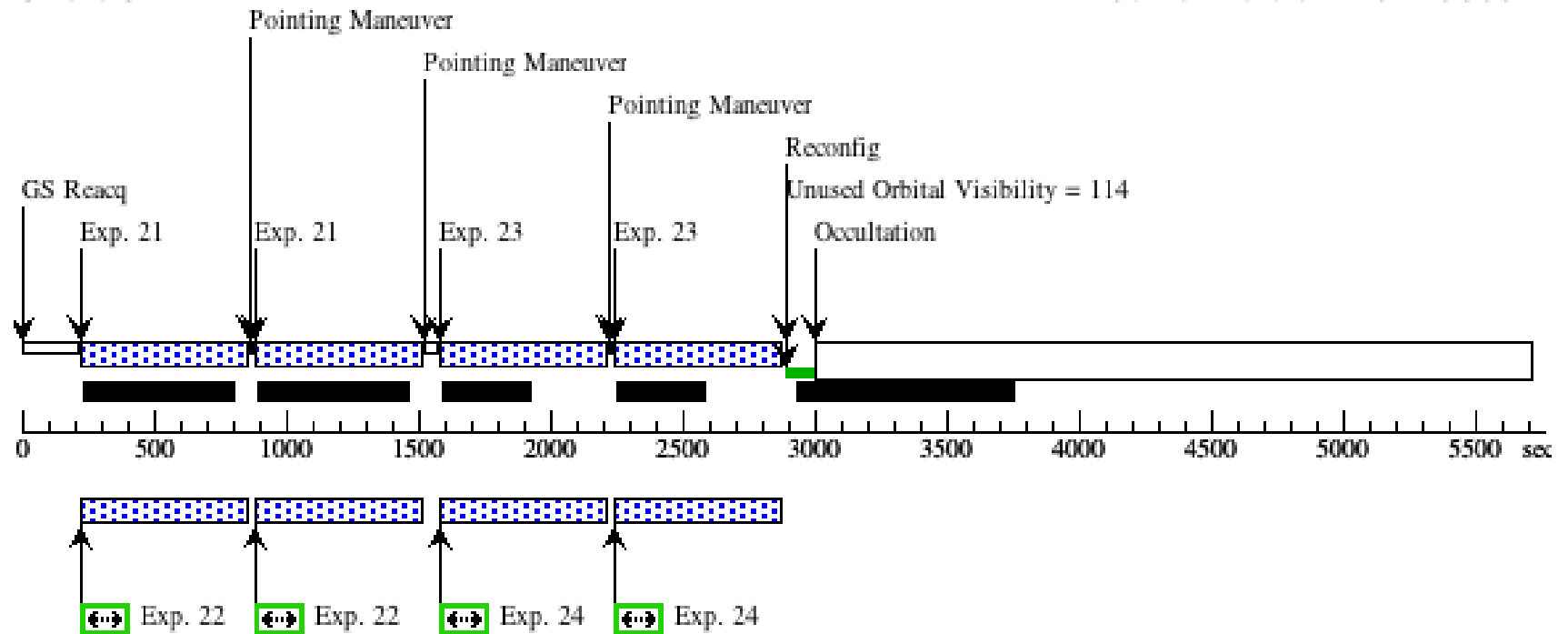
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - M32-2 (12) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, M32-2 (12)					Thu Jul 24 00:09:11 GMT 2014
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/IR, ACS/WFC					
	Special Requirements: SCHED 100%; ORIENT 43D TO 47 D; AFTER 11 BY 1.5 D TO 1.7 D					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(20)	MESSIER-032-FIELD1	RA: 00 42 58.1000 (10.7420833d) Dec: +40 51 30.00 (40.85833d) Equinox: J2000		V=9.72	Reference Frame: NED
	Comments: This object was generated by the targetselector and retrieved from the NED database.					
	(31)	MESSIER-032-FIELD2	RA: 00 42 50.7000 (10.7112500d) Dec: +40 50 10.00 (40.83611d) Equinox: J2000		V=9.72	Reference Frame: NED
Comments: This object was generated by the targetselector and retrieved from the NED database.						

Proposal 13691 - M32-2 (12) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(20) MESSIER-032-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M32-2 (12) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-2 (12) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(20) MESSIER-032-FIELD1	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in M32-2 (12) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-2 (12) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M32-2 (12)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(31) MESSIER-032-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M32-2 (12) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-2 (12) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(31) MESSIER-032-FIELD2	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in M32-2 (12) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-2 (12) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(20) MESSIER-032-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 5-8 Non-Int in M32-2 (12) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-2 (12) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 13691 - M32-2 (12) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

6	(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in M32-2 (12) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-2 (12) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M32-2 (12)	419 Secs (1006 Secs)	[2]
						[==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	
7	F160W (31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 5-8 Non-Int in M32-2 (12) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-2 (12) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs)	[2]
						[==>(Pattern 1)] [==>(Pattern 2)]	
8	(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in M32-2 (12) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-2 (12) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M32-2 (12)	419 Secs (1006 Secs)	[2]
						[==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	
9	F160W (20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M32-2 (12) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-2 (12) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs)	[3]
						[==>(Pattern 1)] [==>(Pattern 2)]	
10	(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in M32-2 (12) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-2 (12) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M32-2 (12)	419 Secs (1006 Secs)	[3]
						[==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	

Proposal 13691 - M32-2 (12) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

11	F160W	(31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M32-2 (12) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-2 (12) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in M32-2 (12) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-2 (12) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M32-2 (12) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-2 (12) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 13-16 Non-Int in M32-2 (12) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-2 (12) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M32-2 (12) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-2 (12) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - M32-2 (12) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

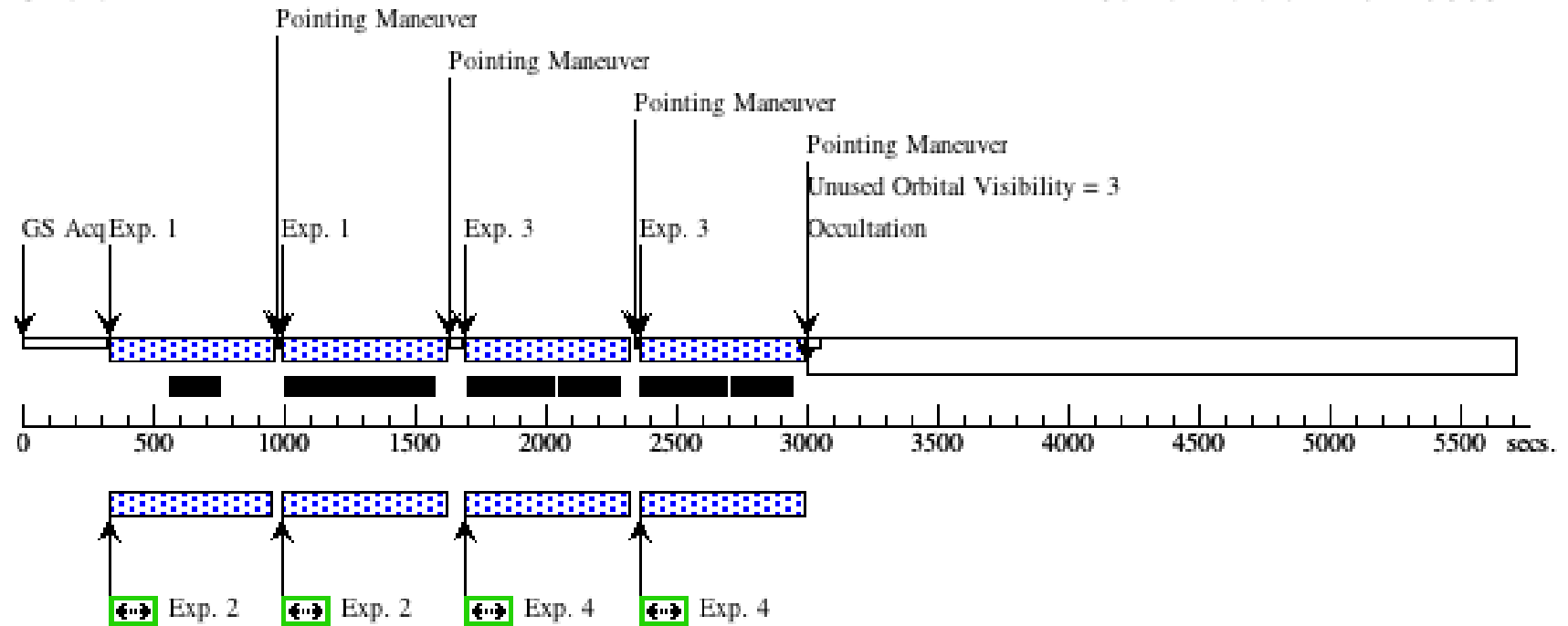
16	(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 13-16 Non-Int in M32-2 (12) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-2 (12) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
17	F160W (20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 17-20 Non-Int in M32-2 (12) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-2 (12) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
18	(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 17-20 Non-Int in M32-2 (12) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-2 (12) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W (31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 17-20 Non-Int in M32-2 (12) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-2 (12) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
20	(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 17-20 Non-Int in M32-2 (12) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-2 (12) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

Proposal 13691 - M32-2 (12) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

21	F160W	(20) MESSIER-032- FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M32-2 (12) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-2 (12) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(20) MESSIER-032- FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in M32-2 (12) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-2 (12) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(31) MESSIER-032- FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M32-2 (12) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-2 (12) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-2 (12)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(31) MESSIER-032- FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in M32-2 (12) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-2 (12) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M32-2 (12)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

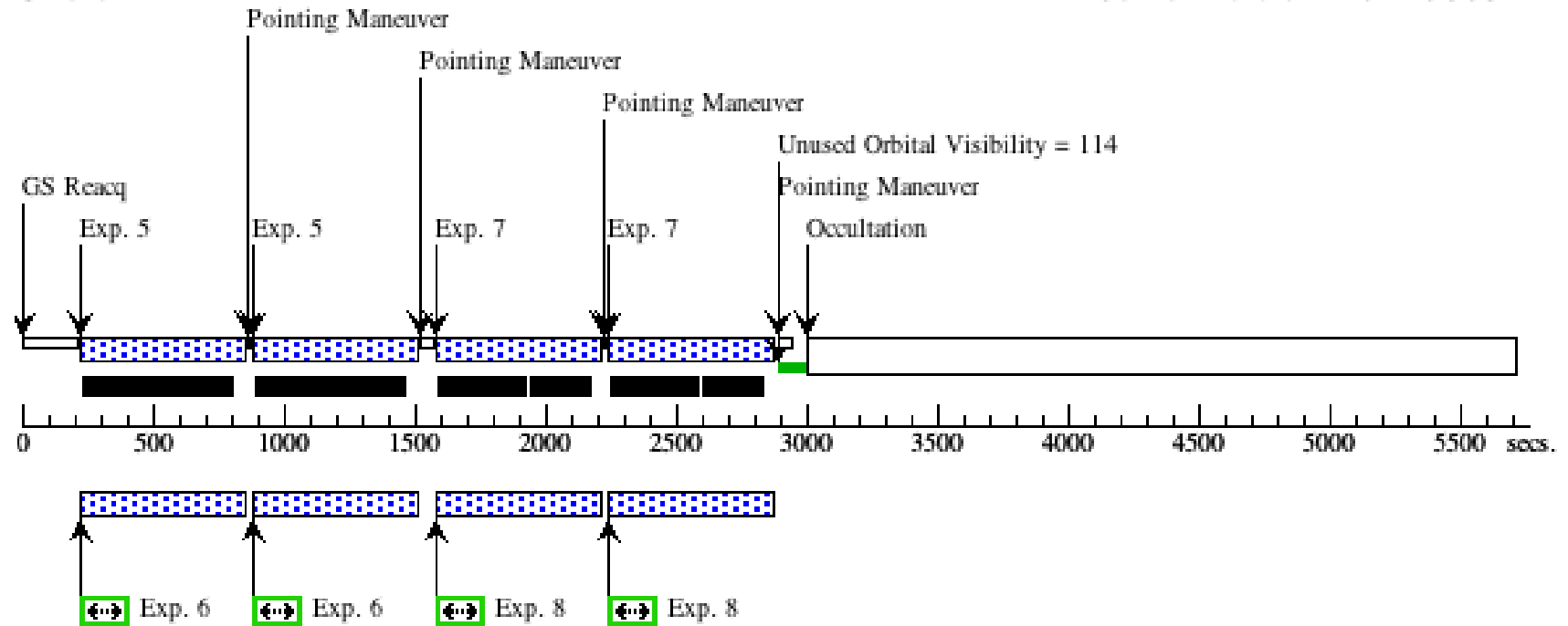
Orbit 1

Server Version: 20140605



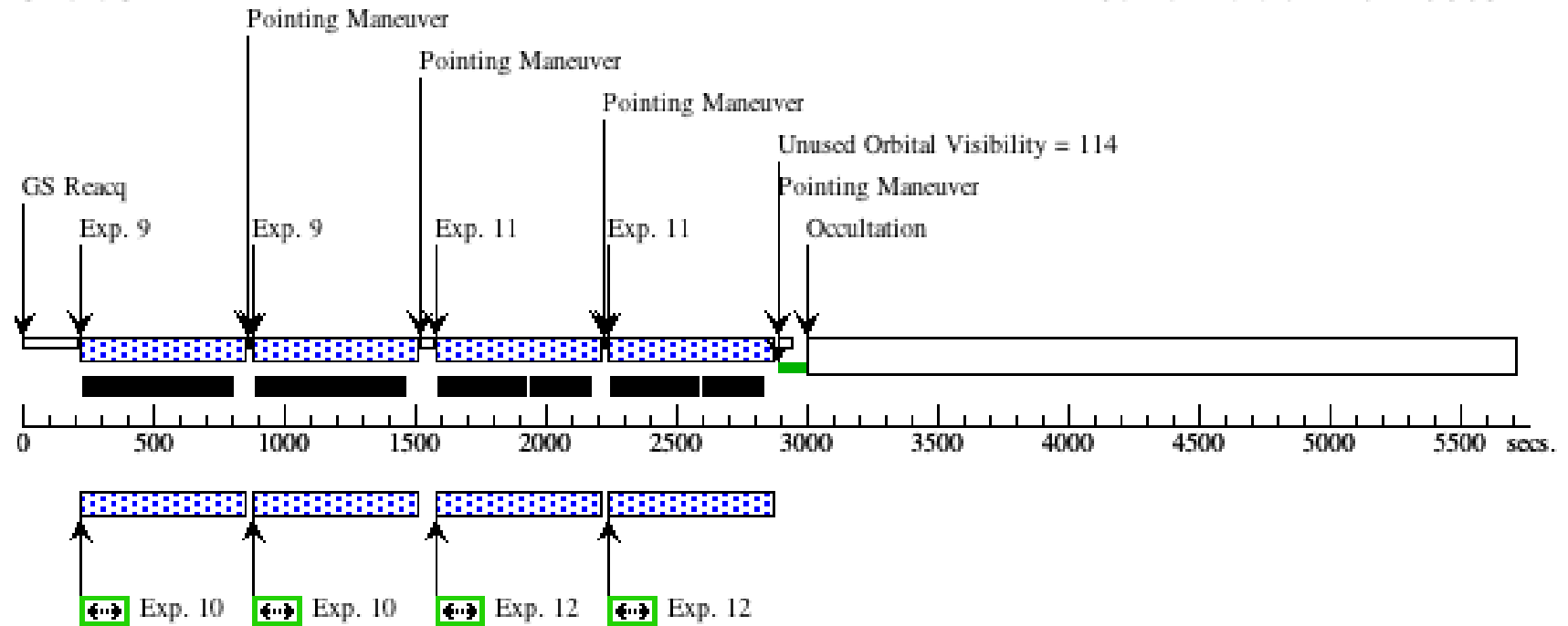
Orbit 2

Server Version: 20140605



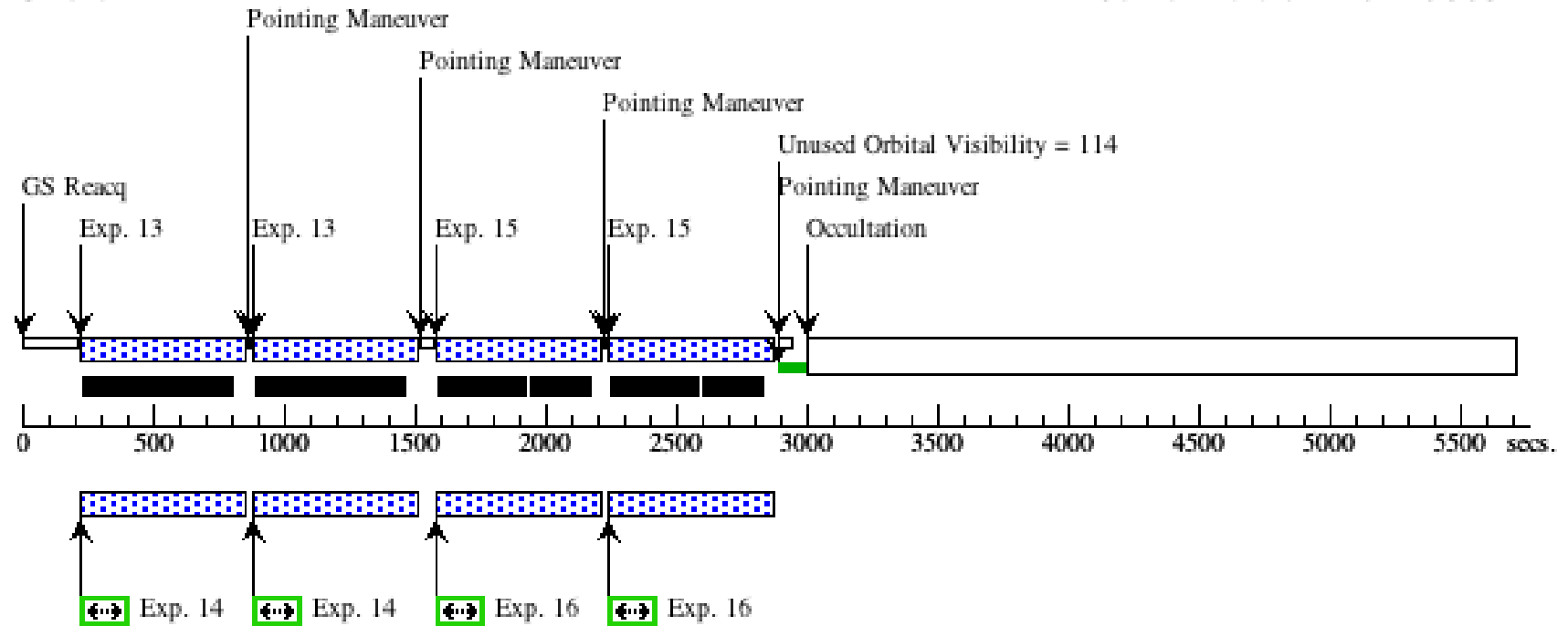
Orbit 3

Server Version: 20140605



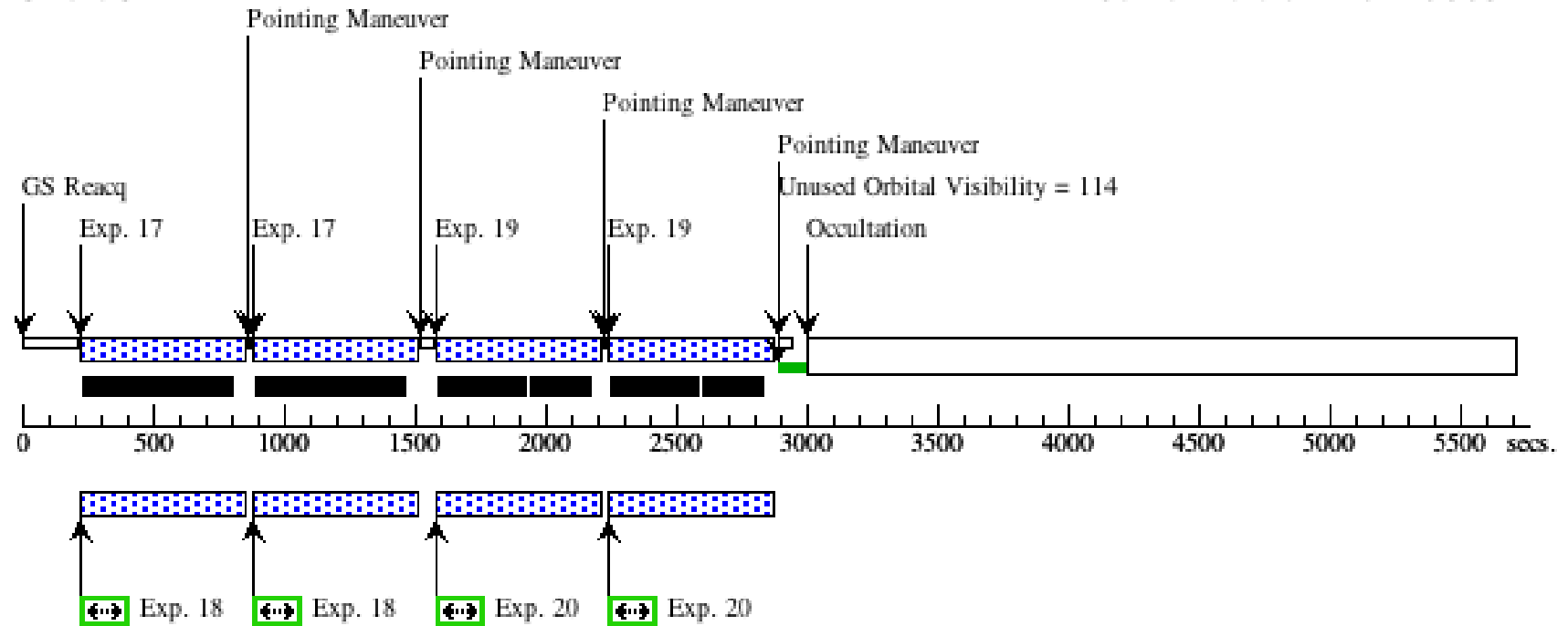
Orbit 4

Server Version: 20140605



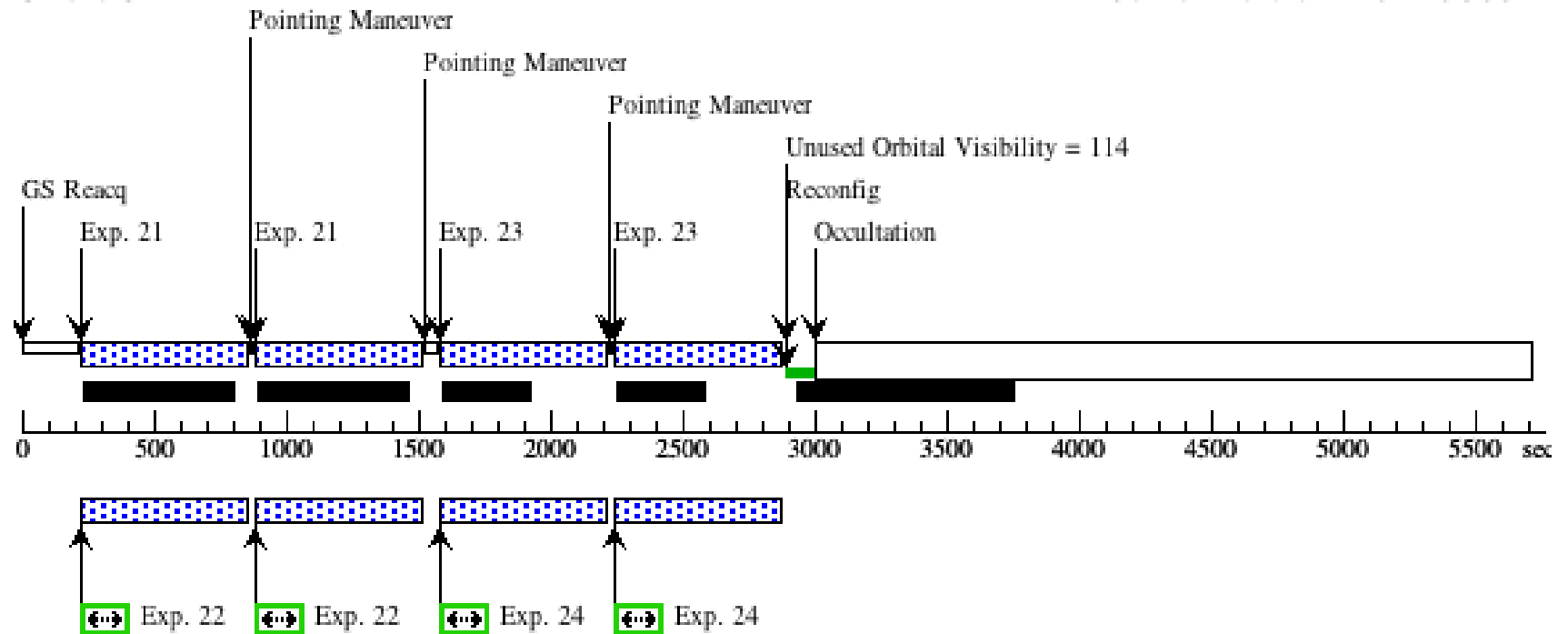
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - M33-1 (13) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, M33-1 (13)					Thu Jul 24 00:09:12 GMT 2014
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/IR, ACS/WFC					
	Special Requirements: SCHED 100%; ORIENT 265D TO 275 D					
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	M-33-FIELD1	RA: 01 33 39.8000 (23.4158333d) Dec: +30 27 47.00 (30.46306d) Equinox: J2000		V=6.27	Reference Frame: SIMBAD
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
	(32)	M-33-FIELD2	RA: 01 33 35.3000 (23.3970833d) Dec: +30 29 7.00 (30.48528d) Equinox: J2000		V=6.27	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

Proposal 13691 - M33-1 (13) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M33-1 (13) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-1 (13) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in M33-1 (13) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-1 (13) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-1 (13)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M33-1 (13) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-1 (13) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F814W			Sequence 1-4 Non-Int in M33-1 (13) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-1 (13) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 5-8 Non-Int in M33-1 (13) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-1 (13) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 13691 - M33-1 (13) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

6	(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 5-8 Non-Int in M33-1 (13) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-1 (13) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
7	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200 Sequence 5-8 Non-Int in M33-1 (13) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-1 (13) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
8		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F814W	Sequence 5-8 Non-Int in M33-1 (13) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-1 (13) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
9	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200 Sequence 9-12 Non-Int in M33-1 (13) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-1 (13) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
10		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F814W	Sequence 9-12 Non-Int in M33-1 (13) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-1 (13) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]

Proposal 13691 - M33-1 (13) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

11	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M33-1 (13) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-1 (13) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 9-12 Non-Int in M33-1 (13) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-1 (13) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M33-1 (13) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-1 (13) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in M33-1 (13) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-1 (13) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M33-1 (13) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-1 (13) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - M33-1 (13) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

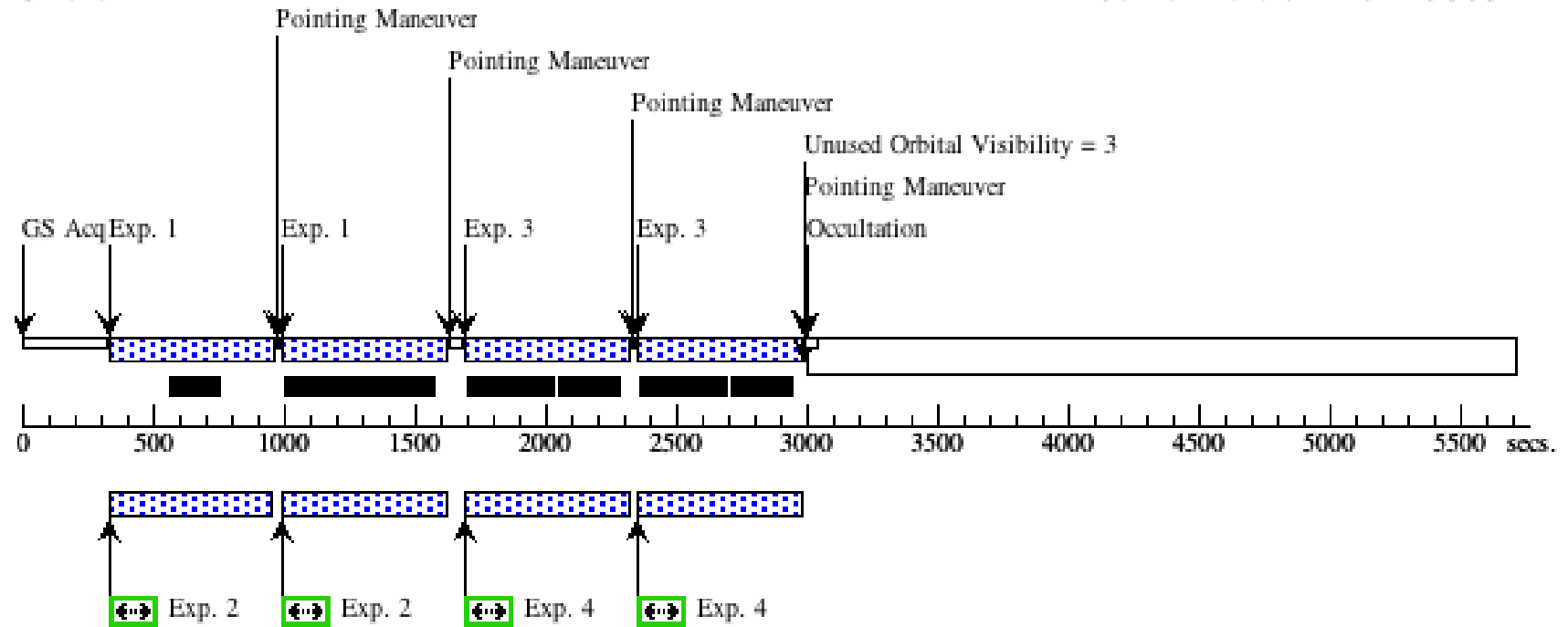
16	(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 13-16 Non-Int in M33-1 (13) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-1 (13) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
17	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200 Sequence 17-20 Non-Int in M33-1 (13) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-1 (13) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
18		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F814W	Sequence 17-20 Non-Int in M33-1 (13) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-1 (13) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200 Sequence 17-20 Non-Int in M33-1 (13) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-1 (13) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
20		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F814W	Sequence 17-20 Non-Int in M33-1 (13) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-1 (13) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

Proposal 13691 - M33-1 (13) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

21	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M33-1 (13) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-1 (13) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in M33-1 (13) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-1 (13) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M33-1 (13) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-1 (13) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-1 (13)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F814W		Sequence 21-24 Non-Int in M33-1 (13) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-1 (13) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-1 (13)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

Orbit 1

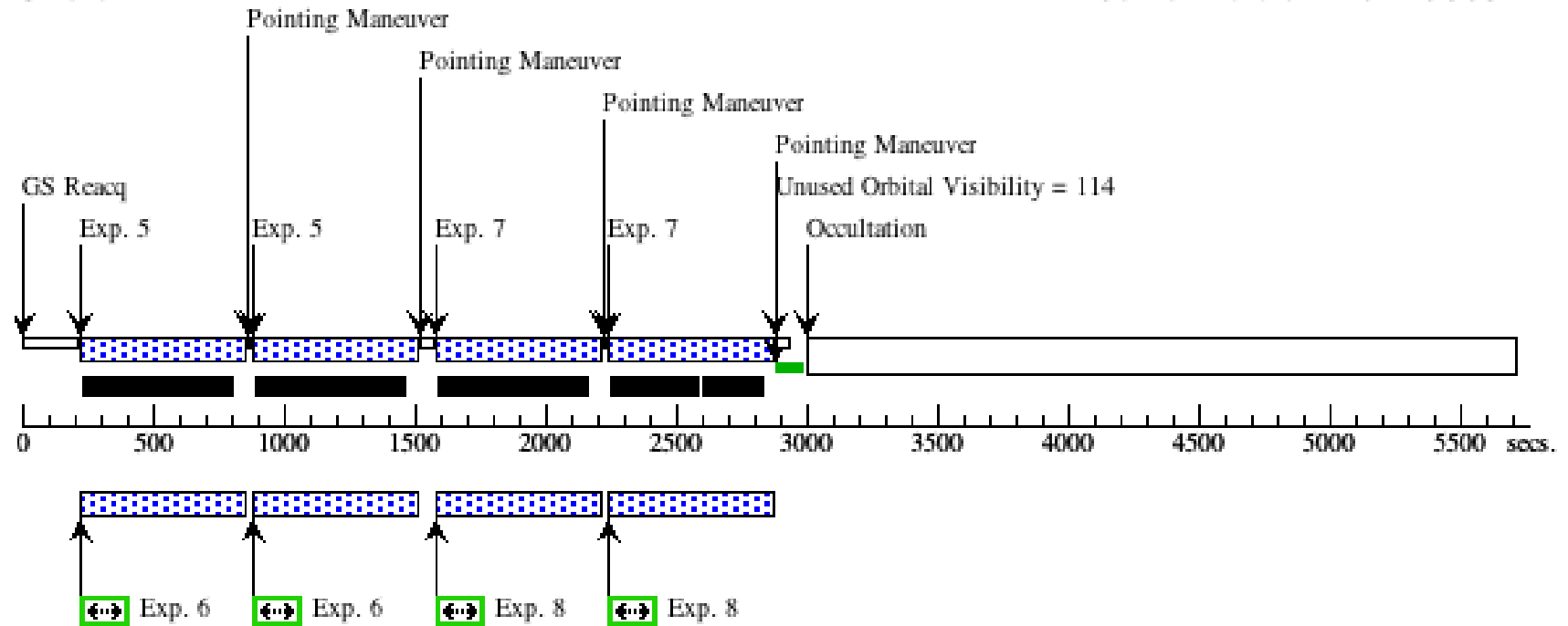
Server Version: 20140605



Orbit Structure

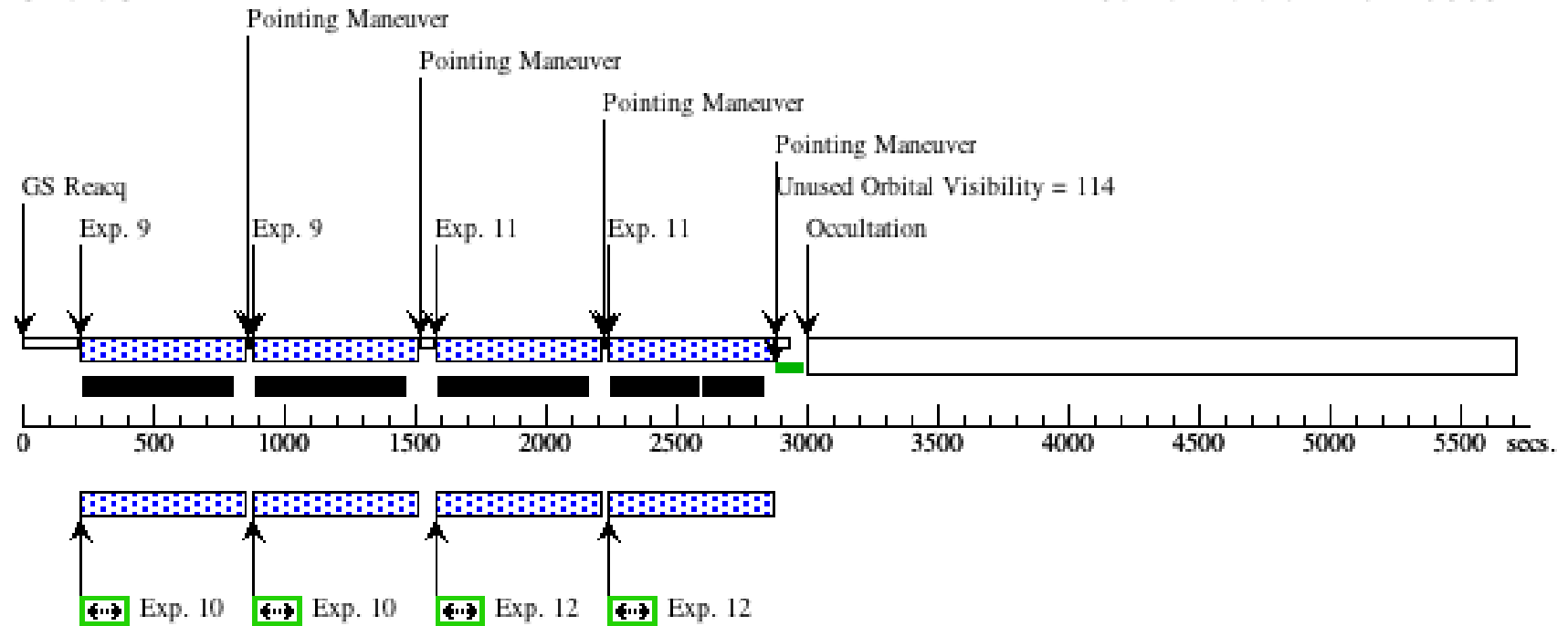
Orbit 2

Server Version: 20140605



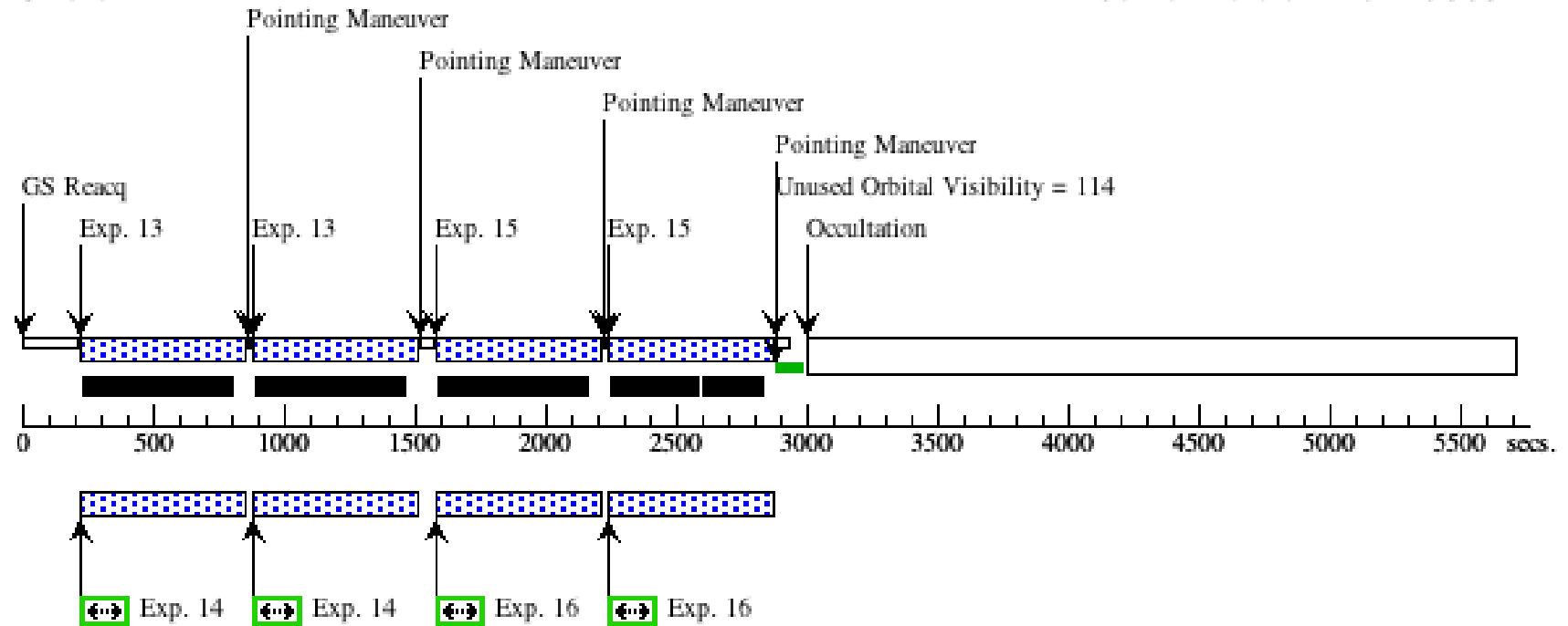
Orbit 3

Server Version: 20140605



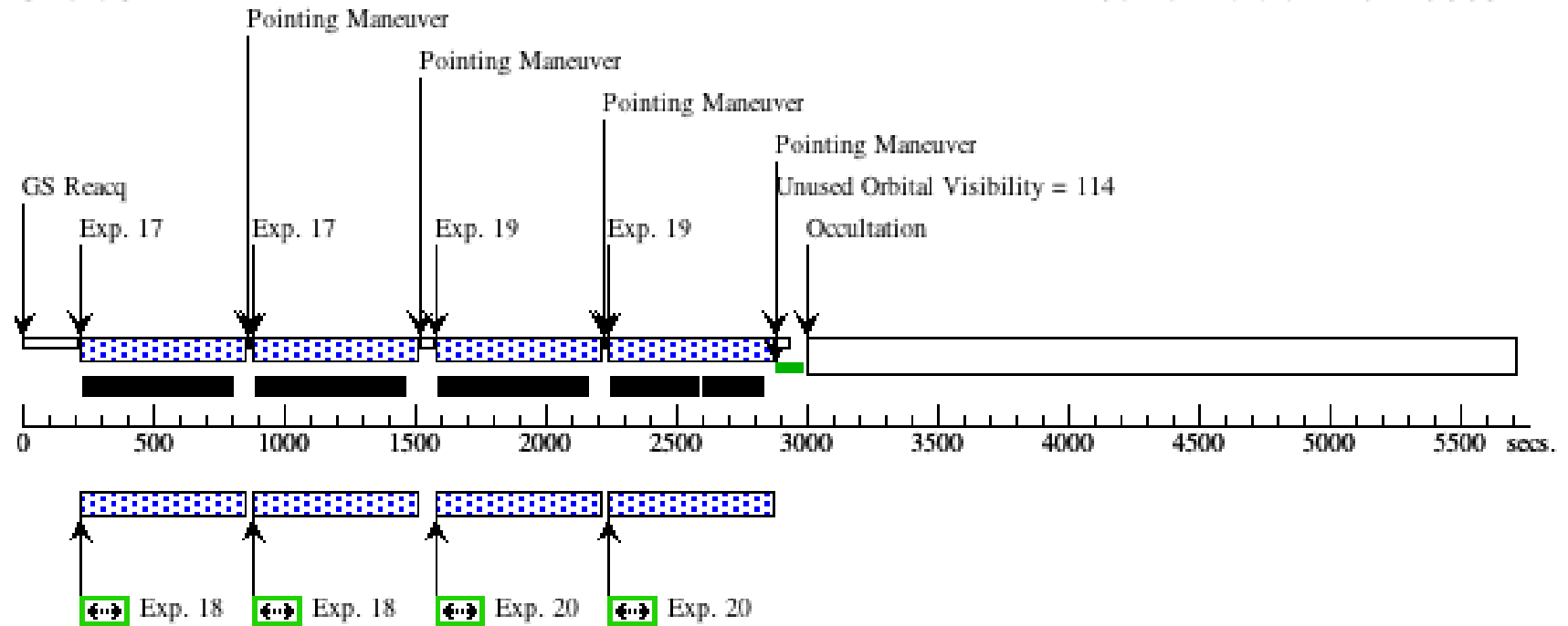
Orbit 4

Server Version: 20140605



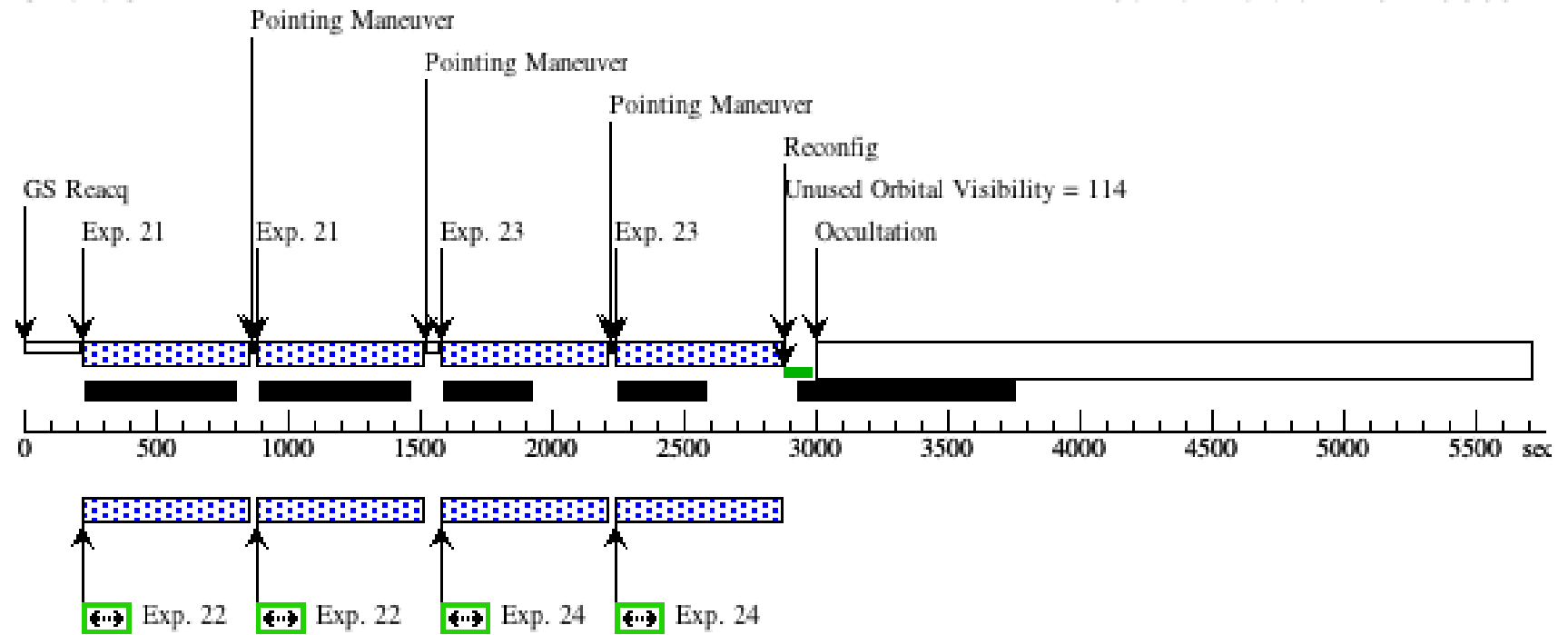
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - M33-2 (14) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, M33-2 (14) Thu Jul 24 00:09:12 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 265D TO 275 D; AFTER 13 BY 1.5 D TO 1.7 D				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22), (23-24)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	M-33-FIELD1	RA: 01 33 39.8000 (23.4158333d) Dec: +30 27 47.00 (30.46306d) Equinox: J2000		V=6.27
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.				
Fixed Targets	(32)	M-33-FIELD2	RA: 01 33 35.3000 (23.3970833d) Dec: +30 29 7.00 (30.48528d) Equinox: J2000		V=6.27
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.				

Proposal 13691 - M33-2 (14) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M33-2 (14) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-2 (14) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in M33-2 (14) Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-2 (14) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Sequence 1-4 Non-Int in M33-2 (14)	419 Secs (922 Secs) [==>(Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	3	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 1-4 Non-Int in M33-2 (14) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-2 (14) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F606W			Sequence 1-4 Non-Int in M33-2 (14) Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-2 (14) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Sequence 1-4 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[1]
	5	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00		Sequence 5-8 Non-Int in M33-2 (14) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-2 (14) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 13691 - M33-2 (14) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

6	(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in M33-2 (14) Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-2 (14) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Sequence 5-8 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]	
7	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 5-8 Non-Int in M33-2 (14) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-2 (14) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
8		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 5-8 Non-Int in M33-2 (14) Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-2 (14) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Sequence 5-8 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[2]
9	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200	Sequence 9-12 Non-Int in M33-2 (14) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-2 (14) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
10		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in M33-2 (14) Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-2 (14) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Sequence 9-12 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]

Proposal 13691 - M33-2 (14) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

11	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 9-12 Non-Int in M33-2 (14) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-2 (14) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
12		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 9-12 Non-Int in M33-2 (14) Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-2 (14) (1) Prime + Parallel Group 11-12 in Pattern 1, Exps 11-12 in Sequence 9-12 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[3]
13	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M33-2 (14) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-2 (14) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]
14		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 13-16 Non-Int in M33-2 (14) Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-2 (14) (1) Prime + Parallel Group 13-14 in Pattern 1, Exps 13-14 in Sequence 13-16 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
15	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 13-16 Non-Int in M33-2 (14) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-2 (14) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - M33-2 (14) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

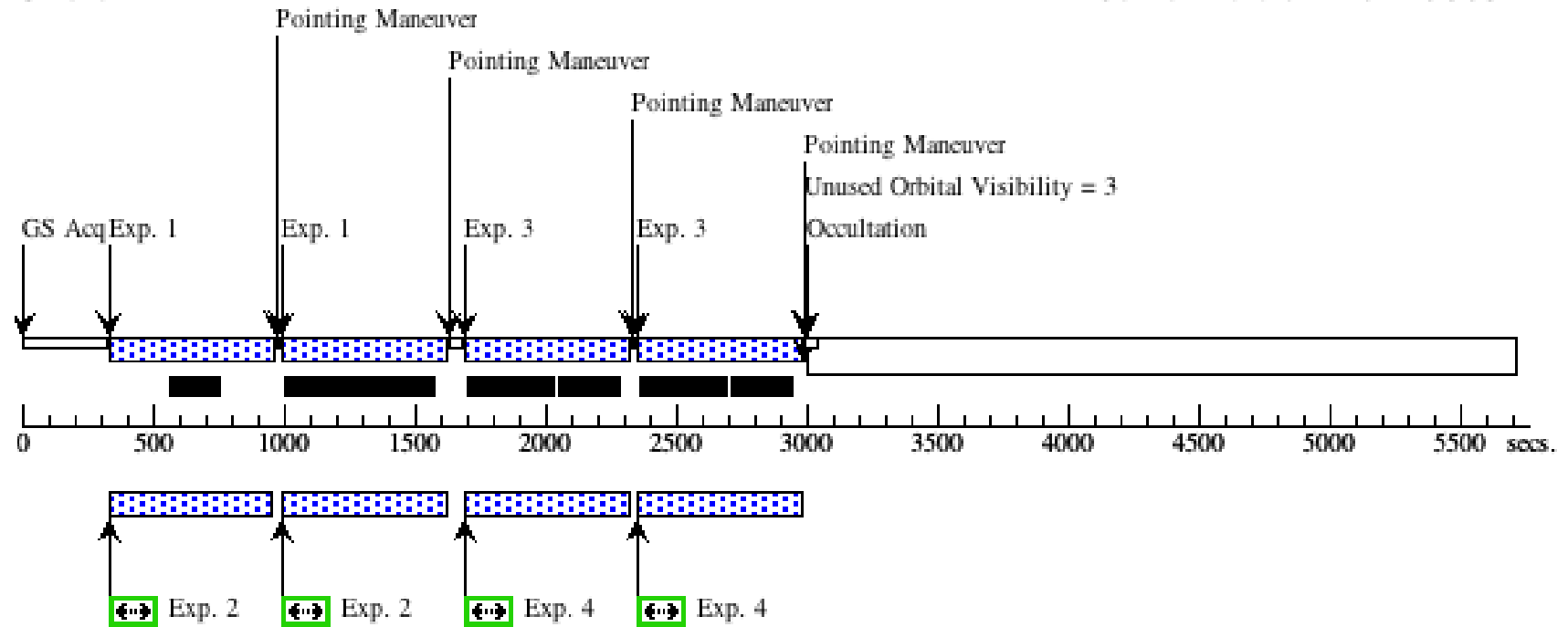
16	(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 13-16 Non-Int in M33-2 (14) Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-2 (14) (1) Prime + Parallel Group 15-16 in Pattern 1, Exps 15-16 in Sequence 13-16 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[4]
17	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200 Sequence 17-20 Non-Int in M33-2 (14) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-2 (14) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
18		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F606W	Sequence 17-20 Non-Int in M33-2 (14) Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-2 (14) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Sequence 17-20 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]
19	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200 Sequence 17-20 Non-Int in M33-2 (14) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-2 (14) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
20		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F606W	Sequence 17-20 Non-Int in M33-2 (14) Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-2 (14) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Sequence 17-20 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[5]

Proposal 13691 - M33-2 (14) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

21	F160W	(2) M-33-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M33-2 (14) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-2 (14) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
22		(2) M-33-FIELD1	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in M33-2 (14) Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-2 (14) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Sequence 21-24 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]
23	F160W	(32) M-33-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP2 00	Sequence 21-24 Non-Int in M33-2 (14) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-2 (14) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-2 (14)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]
24		(32) M-33-FIELD2	ACS/WFC, ACCUM, WFC	F606W		Sequence 21-24 Non-Int in M33-2 (14) Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-2 (14) (1) Prime + Parallel Group 23-24 in Pattern 1, Exps 23-24 in Sequence 21-24 Non-Int in M33-2 (14)	419 Secs (1006 Secs) [==>503.0 Secs (Pattern 1)] [==>503.0 Secs (Pattern 2)]	[6]

Orbit 1

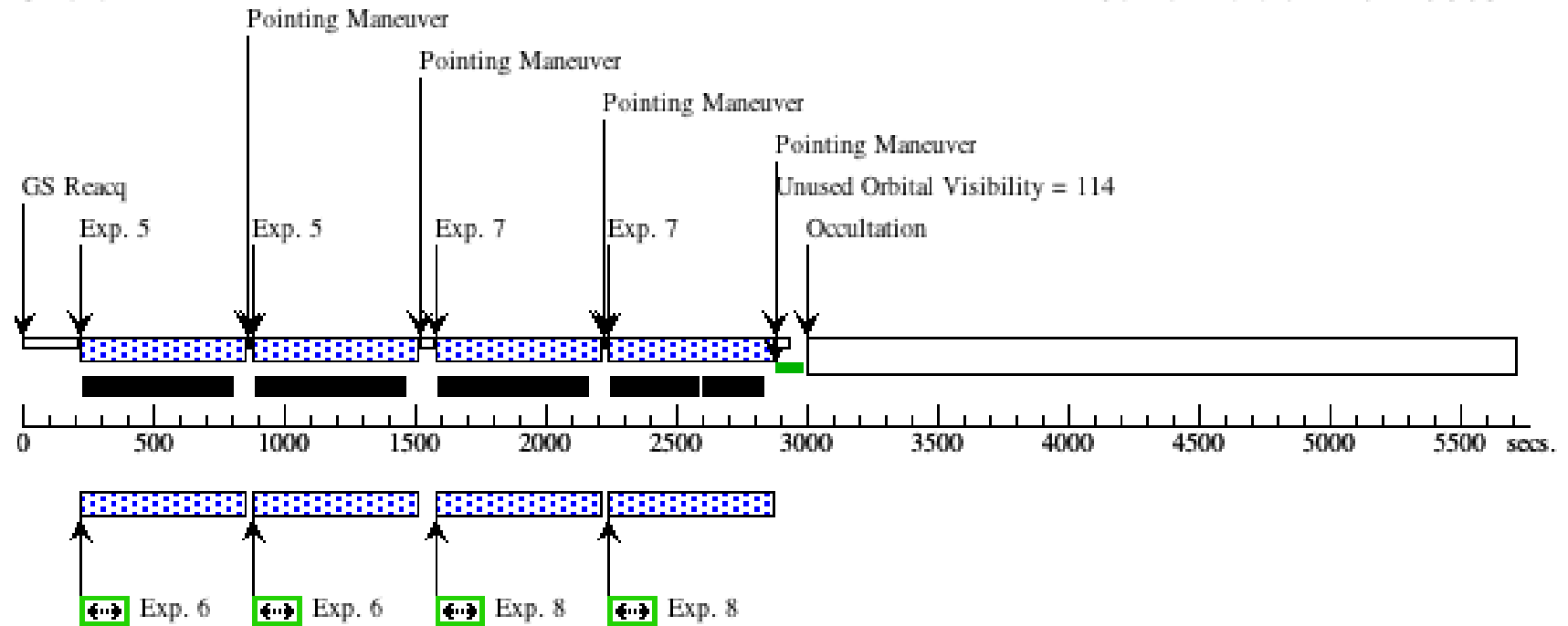
Server Version: 20140605



Orbit Structure

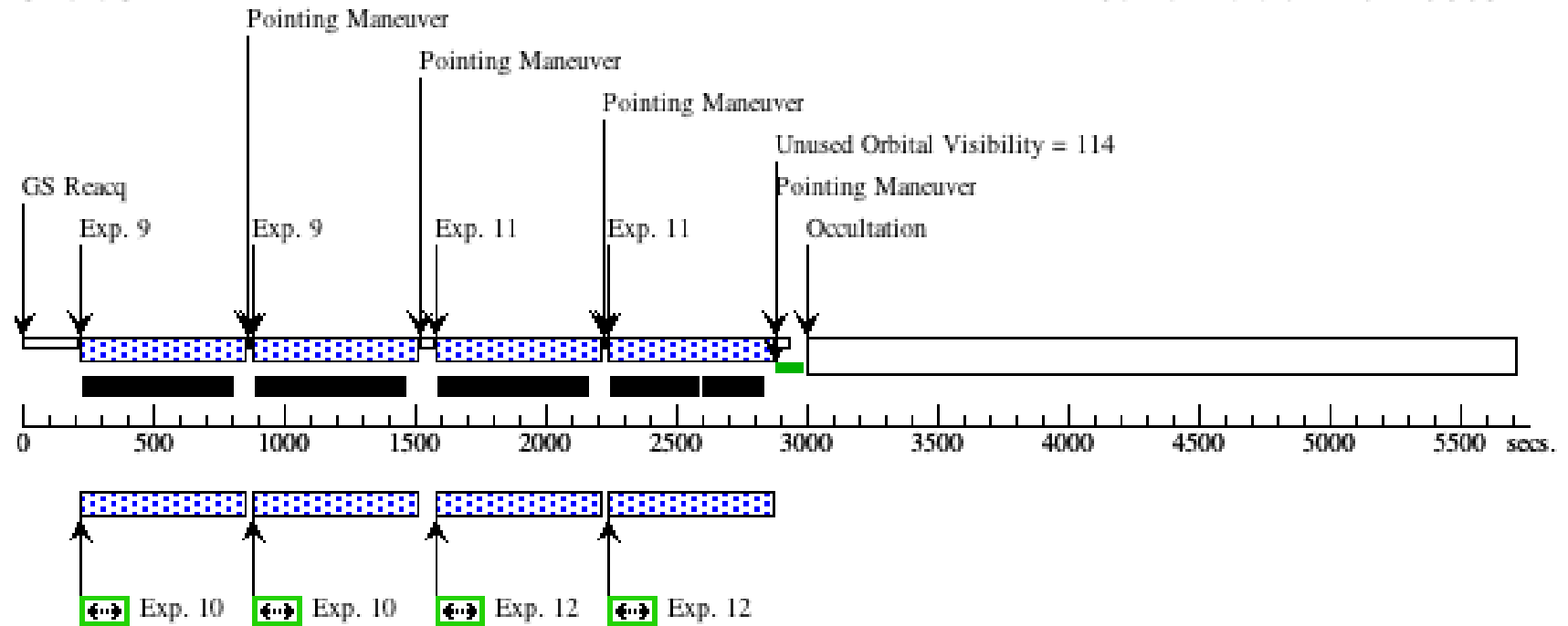
Orbit 2

Server Version: 20140605



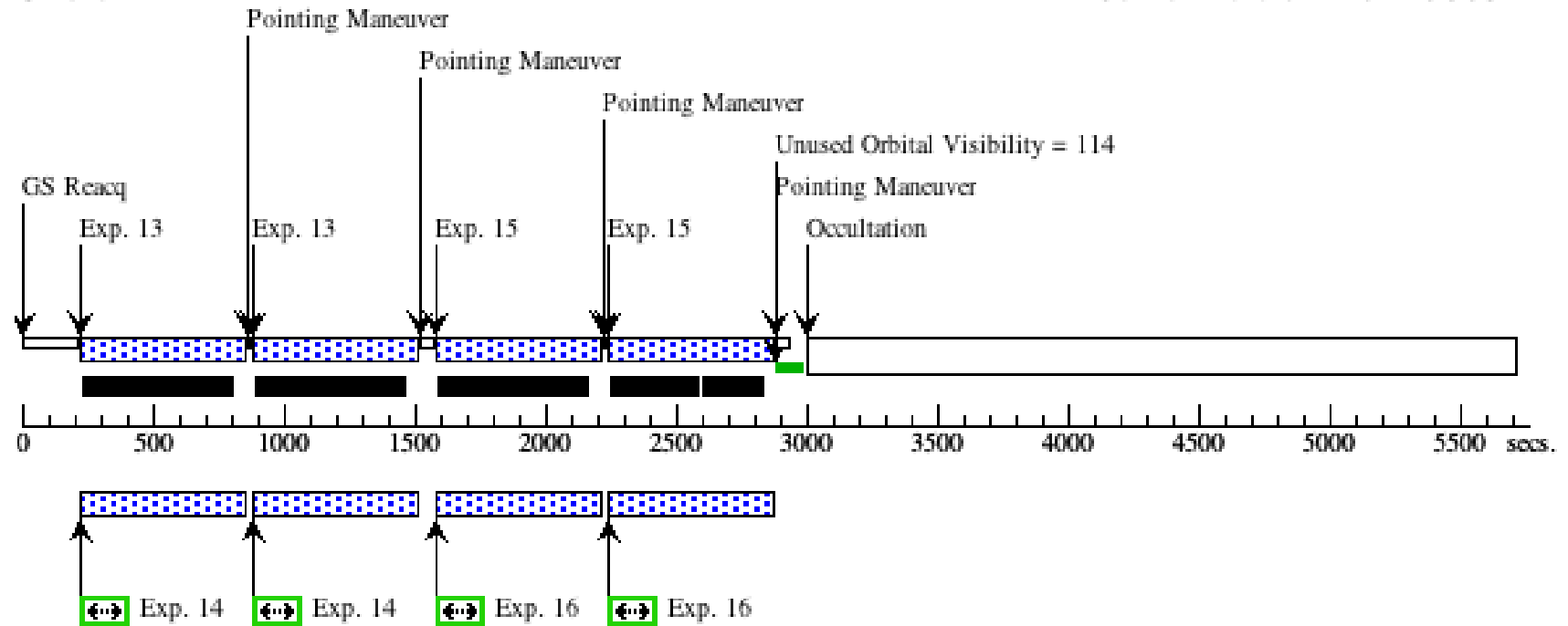
Orbit 3

Server Version: 20140605



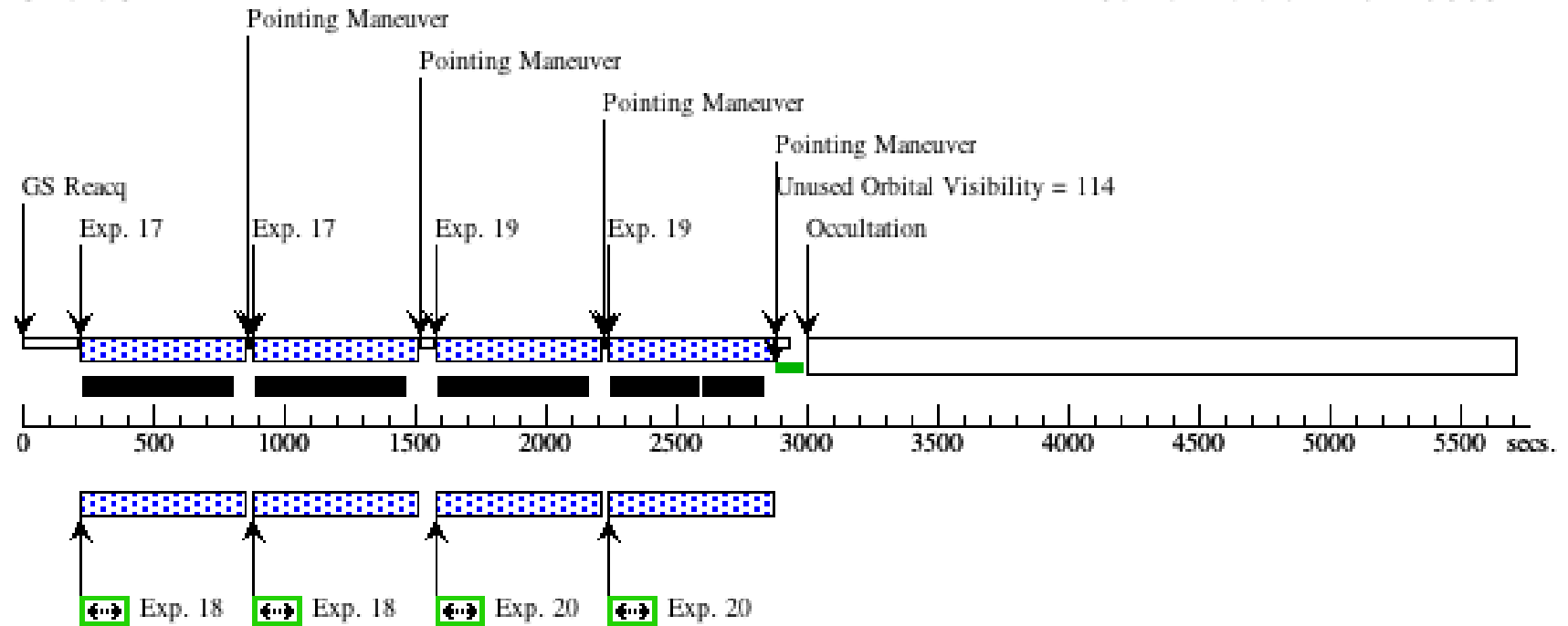
Orbit 4

Server Version: 20140605



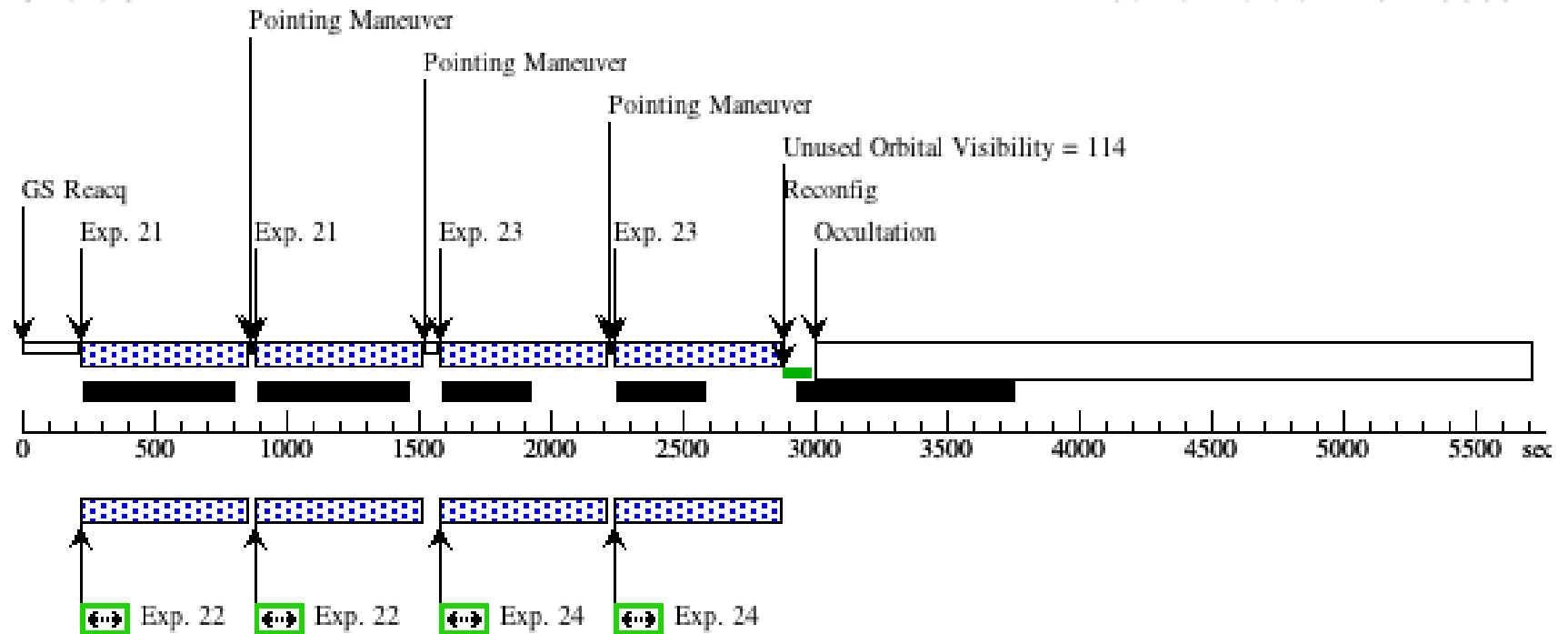
Orbit 5

Server Version: 20140605



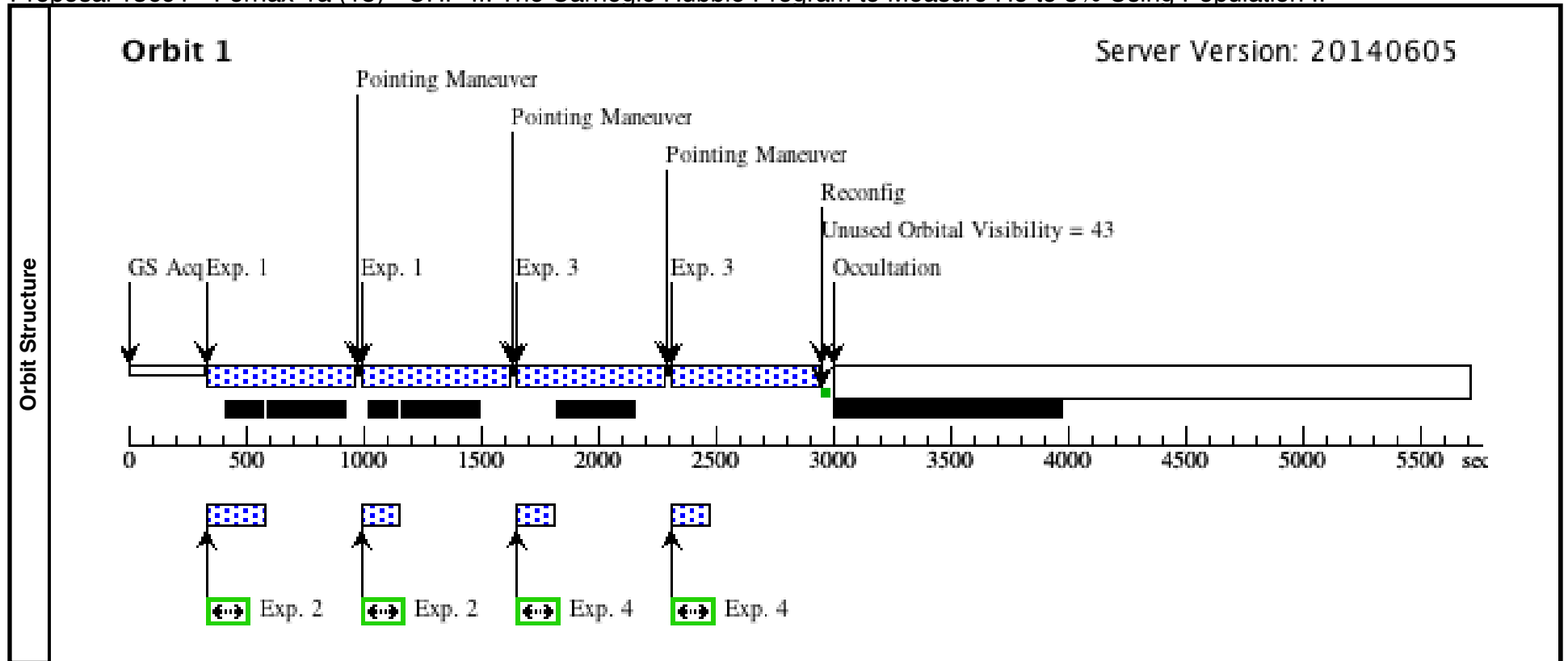
Orbit 6

Server Version: 20140605



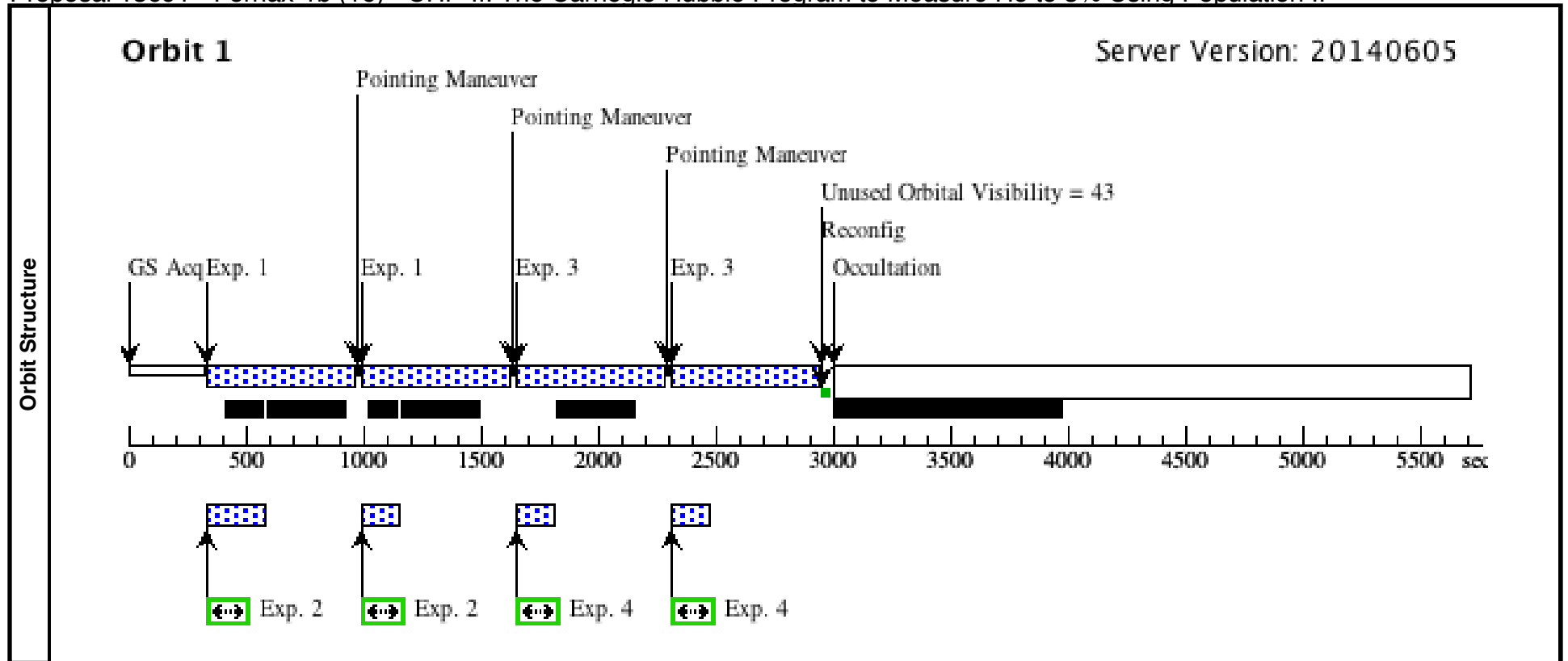
Proposal 13691 - Fornax-1a (15) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, Fornax-1a (15)										Thu Jul 24 00:09:12 GMT 2014
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: SCHED 100%; ORIENT 313D TO 317 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-2), (3-4)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(19)	FORNAX-FIELD1	RA: 02 39 48.2500 (39.9510417d) Dec: -34 15 17.50 (-34.25486d) Equinox: J2000				V=7.4		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(19) FORNAX-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Pattern 1, Exps 1-2 in Fornax-1a (15) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Fornax-1a (15)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(19) FORNAX-FIELD1	ACS/WFC, ACCUM, WFC	F814W			Pattern 1, Exps 1-2 in Fornax-1a (15) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Fornax-1a (15)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	3	F160W	(19) FORNAX-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Pattern 1, Exps 3-4 in Fornax-1a (15) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Fornax-1a (15)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	4		(19) FORNAX-FIELD1	ACS/WFC, ACCUM, WFC	F814W			Pattern 1, Exps 3-4 in Fornax-1a (15) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Fornax-1a (15)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]



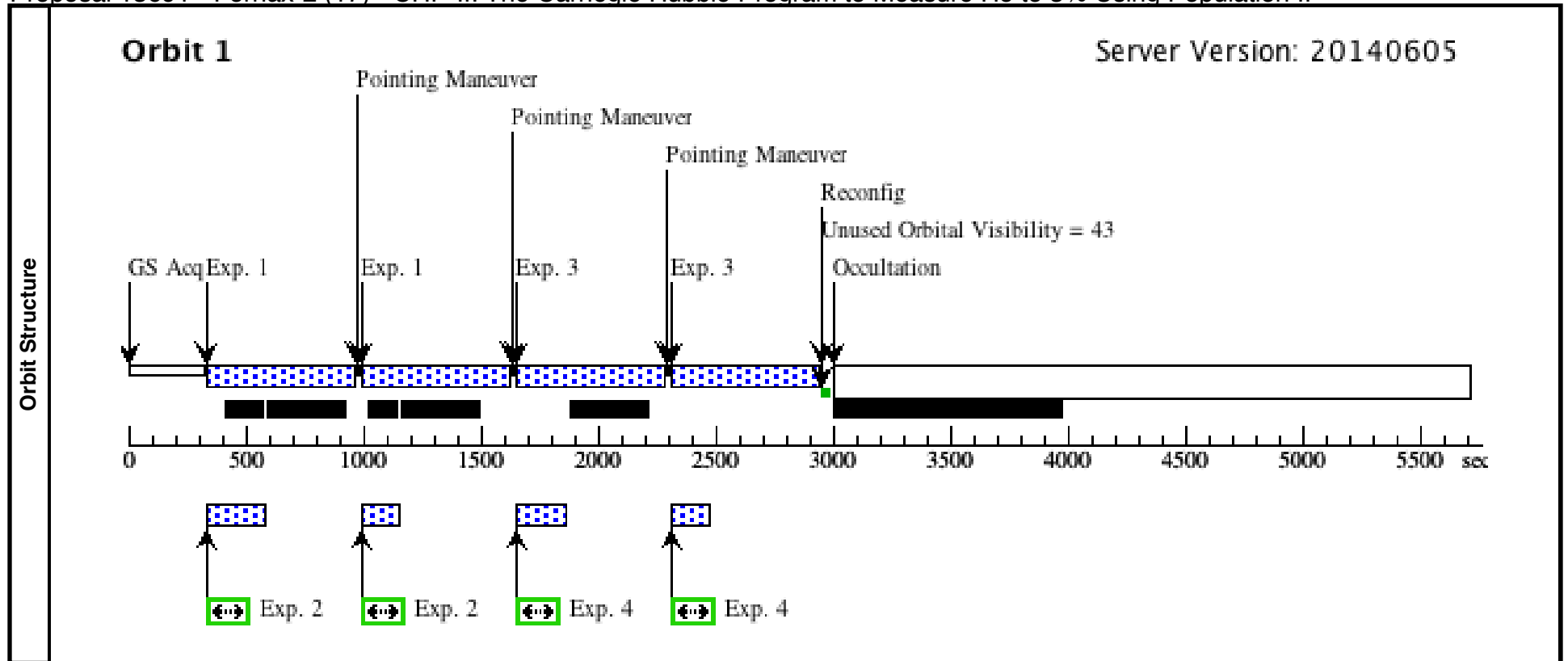
Proposal 13691 - Fornax-1b (16) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, Fornax-1b (16)										Thu Jul 24 00:09:12 GMT 2014
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: SCHED 100%; ORIENT 313D TO 317 D; AFTER 15 BY 1.1 D TO 1.3 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-2), (3-4)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(19)	FORNAX-FIELD1	RA: 02 39 48.2500 (39.9510417d) Dec: -34 15 17.50 (-34.25486d) Equinox: J2000				V=7.4		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(19) FORNAX-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Pattern 1, Exps 1-2 in Fornax-1b (16) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Fornax-1b (16)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(19) FORNAX-FIELD1	ACS/WFC, ACCUM, WFC	F606W			Pattern 1, Exps 1-2 in Fornax-1b (16) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Fornax-1b (16)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	3	F160W	(19) FORNAX-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Pattern 1, Exps 3-4 in Fornax-1b (16) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Fornax-1b (16)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	4		(19) FORNAX-FIELD1	ACS/WFC, ACCUM, WFC	F606W			Pattern 1, Exps 3-4 in Fornax-1b (16) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Fornax-1b (16)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]



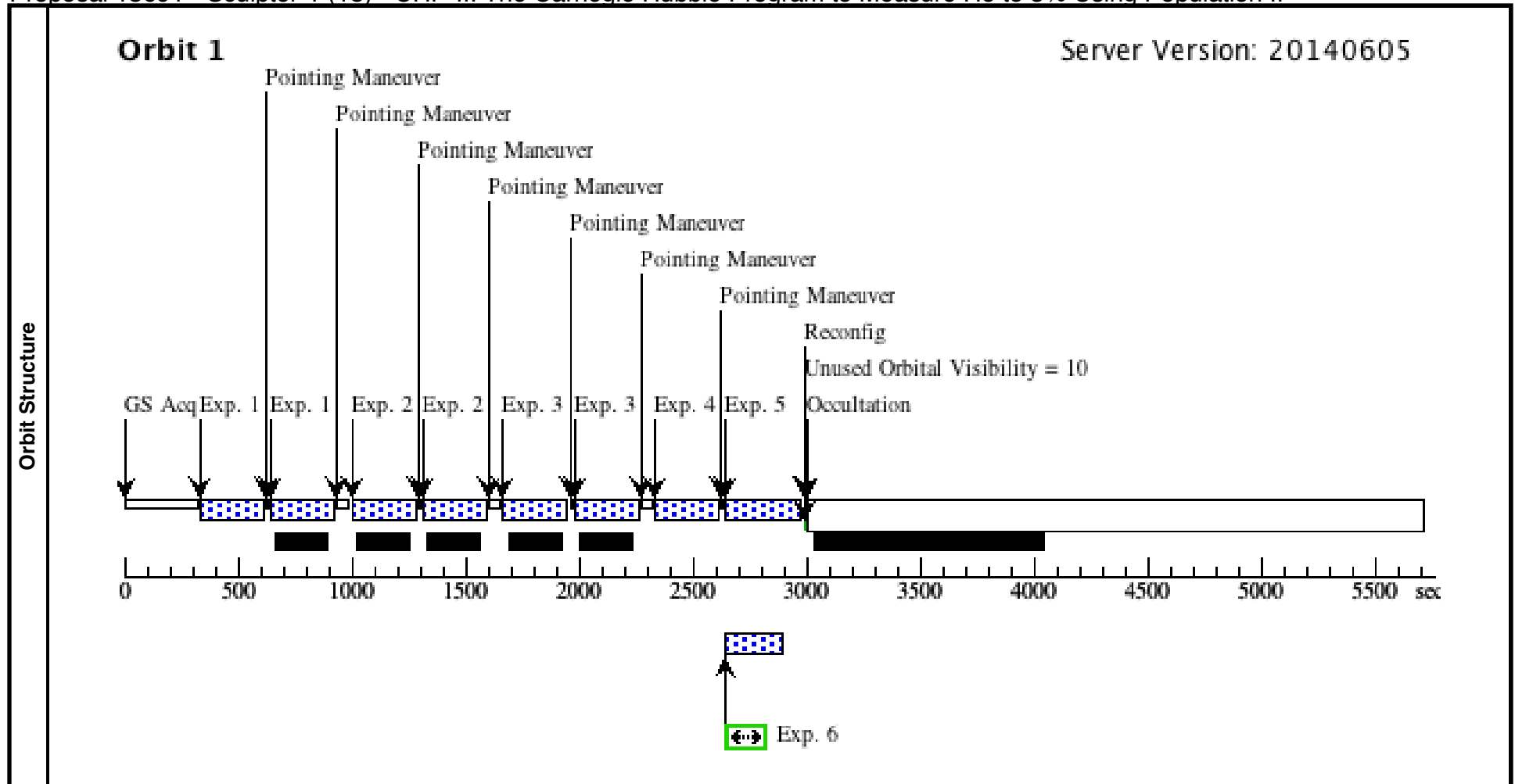
Proposal 13691 - Fornax-2 (17) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, Fornax-2 (17)										Thu Jul 24 00:09:12 GMT 2014
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: SCHED 100%; ORIENT 88D TO 182 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-2), (3-4)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(33)	FORNAX-FIELD2	RA: 02 38 45.2200 (39.6884167d) Dec: -34 48 28.30 (-34.80786d) Equinox: J2000				V=7.4		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(33) FORNAX-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Pattern 1, Exps 1-2 in Fornax-2 (17) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Fornax-2 (17)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(33) FORNAX-FIELD2	ACS/WFC, ACCUM, WFC	F606W			Pattern 1, Exps 1-2 in Fornax-2 (17) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Fornax-2 (17)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	3	F160W	(33) FORNAX-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP200		Pattern 1, Exps 3-4 in Fornax-2 (17) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Fornax-2 (17)	599.231134 Secs (1198.462 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	4		(33) FORNAX-FIELD2	ACS/WFC, ACCUM, WFC	F814W			Pattern 1, Exps 3-4 in Fornax-2 (17) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Fornax-2 (17)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]



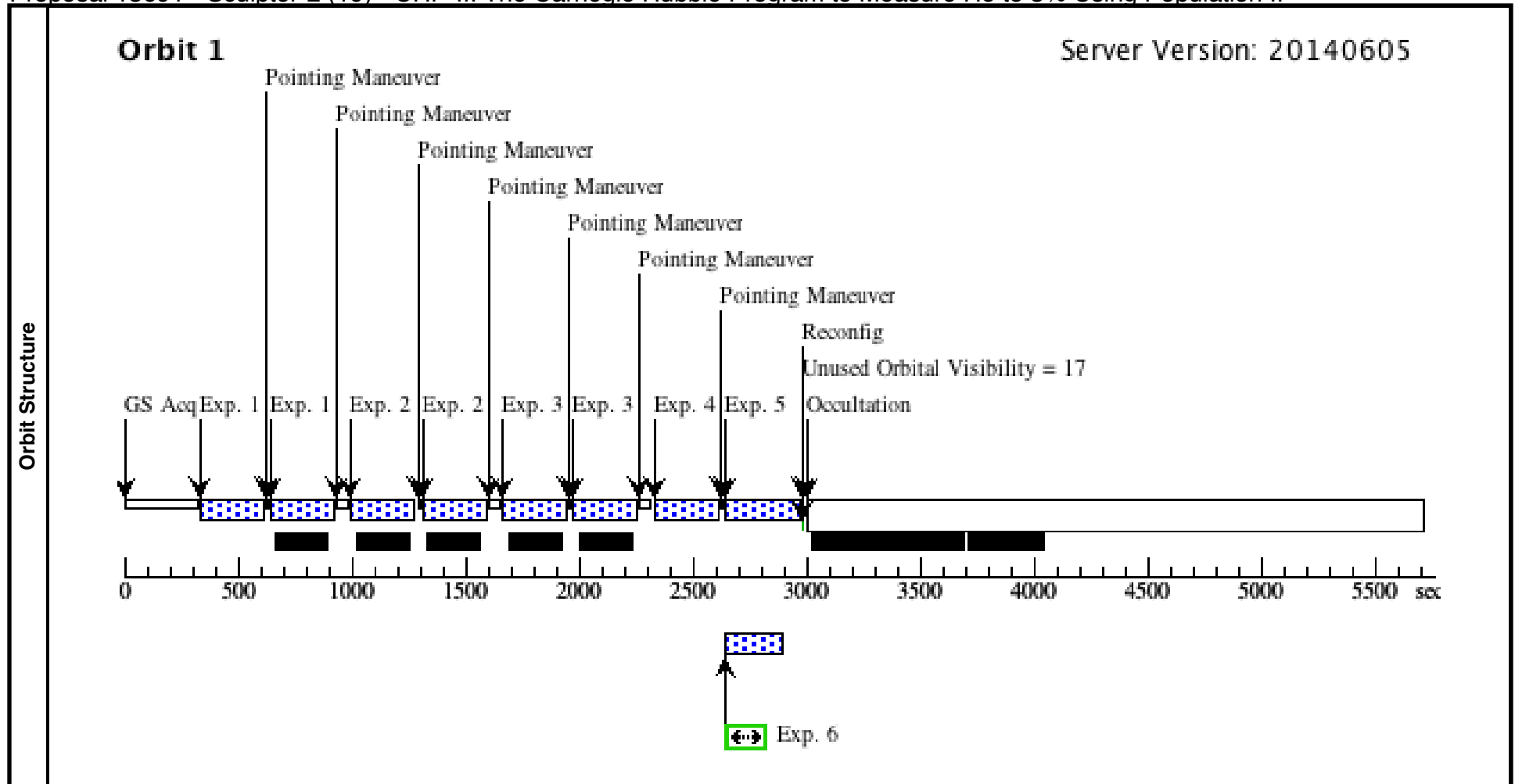
Proposal 13691 - Sculptor-1 (18) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, Sculptor-1 (18)										Thu Jul 24 00:09:12 GMT 2014
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: SCHED 100%; ORIENT 43D TO 47 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1), (2), (3)
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(18)	SCULPTOR-FIELD1	RA: 01 00 4.3670 (15.0181958d) Dec: -33 43 2.45 (-33.71735d) Equinox: J2000					V=8.6		Reference Frame: SIMBAD	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	(35)	SCULPTOR-FIELD2	RA: 00 59 56.5700 (14.9857083d) Dec: -33 41 39.49 (-33.69430d) Equinox: J2000					V=8.6		Reference Frame: SIMBAD	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(18) SCULPTOR-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50		Pattern 1, Exps 1-1 in Sculptor-1 (18) (1)	249.23203 Secs (498.464 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(35) SCULPTOR-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Sculptor-1 (18) (1)	249.23203 Secs (498.464 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	3		(18) SCULPTOR-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50		Pattern 1, Exps 3-3 in Sculptor-1 (18) (1)	249.23203 Secs (498.464 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	4		(35) SCULPTOR-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -0.636, null		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(35) SCULPTOR-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP50		Prime + Parallel Group 5-6 in Sculptor-1 (18)	299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(35) SCULPTOR-FIELD2	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Sculptor-1 (18)	30 Secs (30 Secs) [==>]		[1]



Proposal 13691 - Sculptor-2 (19) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, Sculptor-2 (19)										Thu Jul 24 00:09:12 GMT 2014
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: SCHED 100%; ORIENT 43D TO 47 D; AFTER 18 BY 1.1 D TO 1.3 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=41.788 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.636 Line Spacing=									(1), (2), (3)
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(36)	SCULPTOR-FIELD3	RA: 01 00 38.7650 (15.1615208d) Dec: -33 41 54.81 (-33.69856d) Equinox: J2000					V=8.6		Reference Frame: SIMBAD	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	(37)	SCULPTOR-FIELD4	RA: 01 00 29.5610 (15.1231708d) Dec: -33 41 54.77 (-33.69855d) Equinox: J2000					V=8.6		Reference Frame: SIMBAD	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(36) SCULPTOR-FIELD3	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50		Pattern 1, Exps 1-1 in Sculptor-2 (19) (1)	249.23203 Secs (498.464 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(37) SCULPTOR-FIELD4	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Sculptor-2 (19) (1)	249.23203 Secs (498.464 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	3		(36) SCULPTOR-FIELD3	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50		Pattern 1, Exps 3-3 in Sculptor-2 (19) (1)	249.23203 Secs (498.464 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	4		(37) SCULPTOR-FIELD4	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -0.636, null		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(37) SCULPTOR-FIELD4	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP50		Prime + Parallel Group 5-6 in Sculptor-2 (19)	299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(37) SCULPTOR-FIELD4	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Sculptor-2 (19)	30 Secs (30 Secs) [==>]		[1]



Proposal 13691 - M 101 (20) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

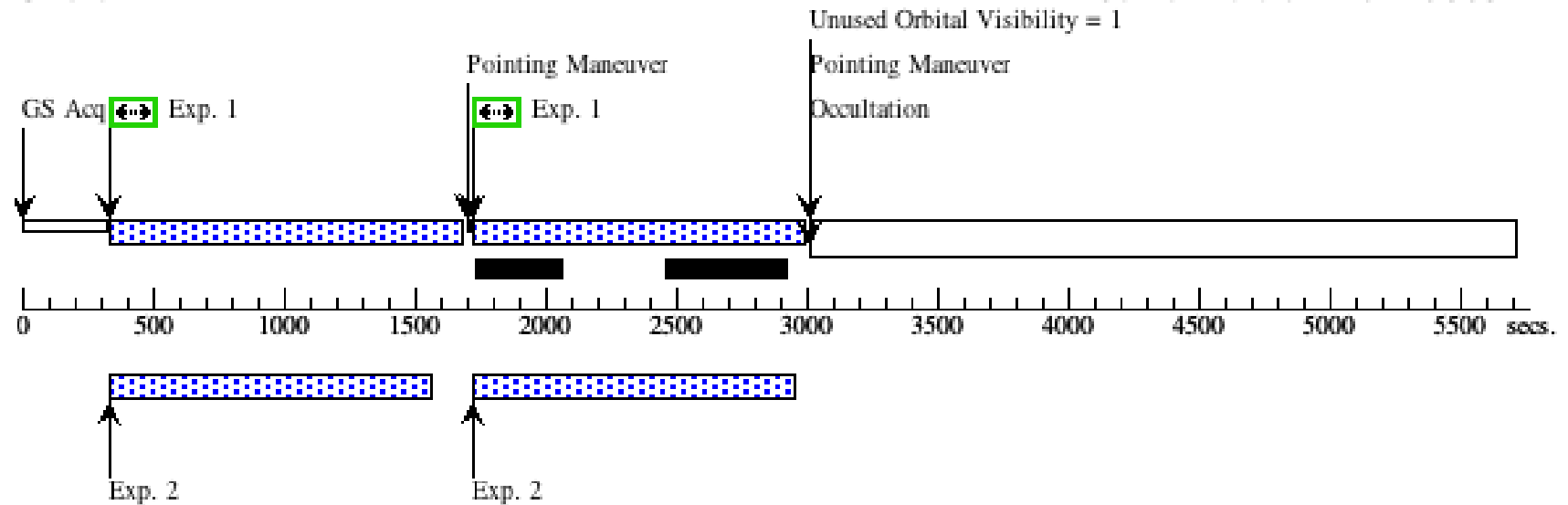
Visit	Proposal 13691, M 101 (20) Thu Jul 24 00:09:12 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 358D TO 2 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(11)	MESSIER-101	RA: 14 03 18.8000 (210.8283333d) Dec: +54 09 21.00 (54.15583d) Equinox: J2000	V=7.8	Reference Frame: NED
	Comments: This object was generated by the targetselector and retrieved from the NED database.				

Proposal 13691 - M 101 (20) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MESSIER-101	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in M 101 (20) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in M 101 (20)	1100 Secs (2298 Secs) [==>1149.0 Secs (Pattern 1)] [==>1149.0 Secs (Pattern 2)]	[1]
	2		(11) MESSIER-101	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=13		Pattern 4, Exps 1-2 in M 101 (20) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in M 101 (20)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(11) MESSIER-101	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 3-4 in M 101 (20) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in M 101 (20)	1100 Secs (2436 Secs) [==>1218.0 Secs (Pattern 1)] [==>1218.0 Secs (Pattern 2)]	[2]
	4		(11) MESSIER-101	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 3-4 in M 101 (20) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in M 101 (20)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(11) MESSIER-101	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in M 101 (20)	1100 Secs (1230 Secs) [==>1230.0 Secs]	[3]
	6		(11) MESSIER-101	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 100; NSAMP=14		Prime + Parallel Group 5-6 in M 101 (20)	1302.93649 Secs (1302.936 Secs) [==>]	[3]
	7		(11) MESSIER-101	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in M 101 (20)	1100 Secs (1230 Secs) [==>1230.0 Secs]	[3]
	8		(11) MESSIER-101	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Prime + Parallel Group 7-8 in M 101 (20)	1302.93649 Secs (1302.936 Secs) [==>]	[3]

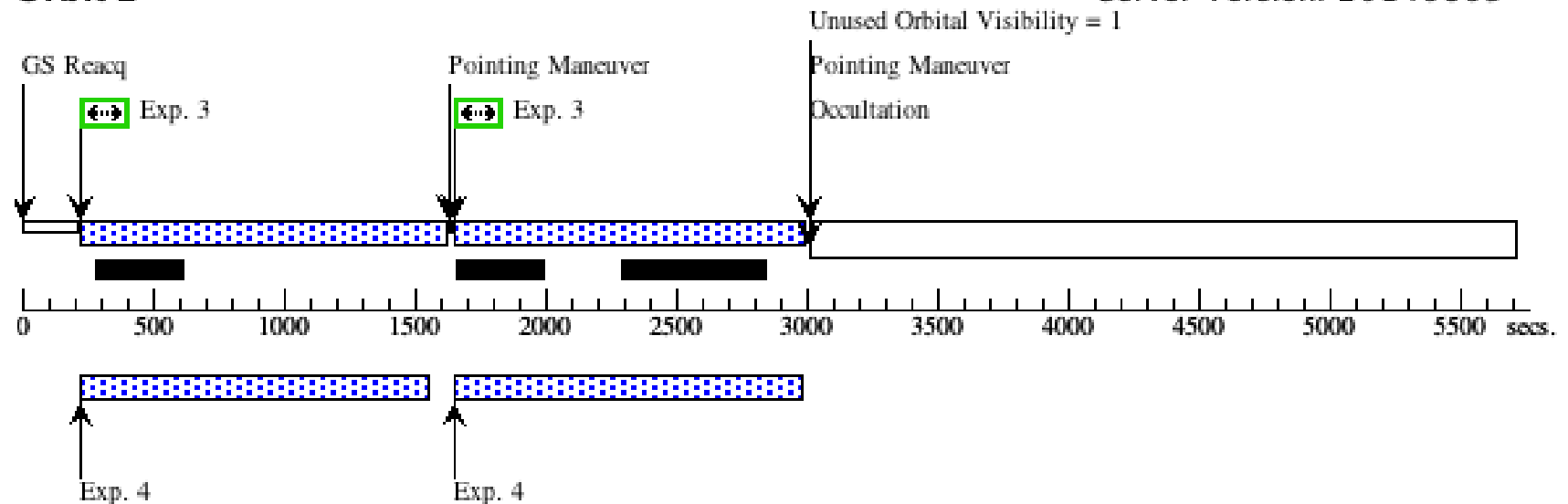
Orbit 1

Server Version: 20140605



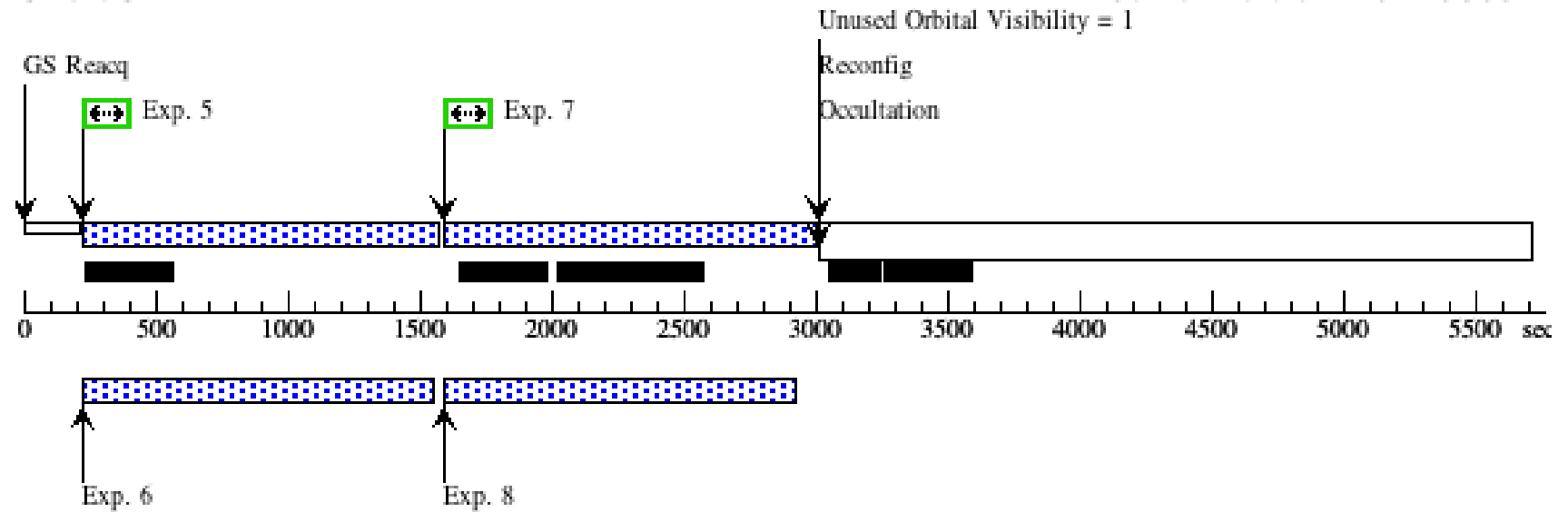
Orbit 2

Server Version: 20140605



Orbit 3

Server Version: 20140605

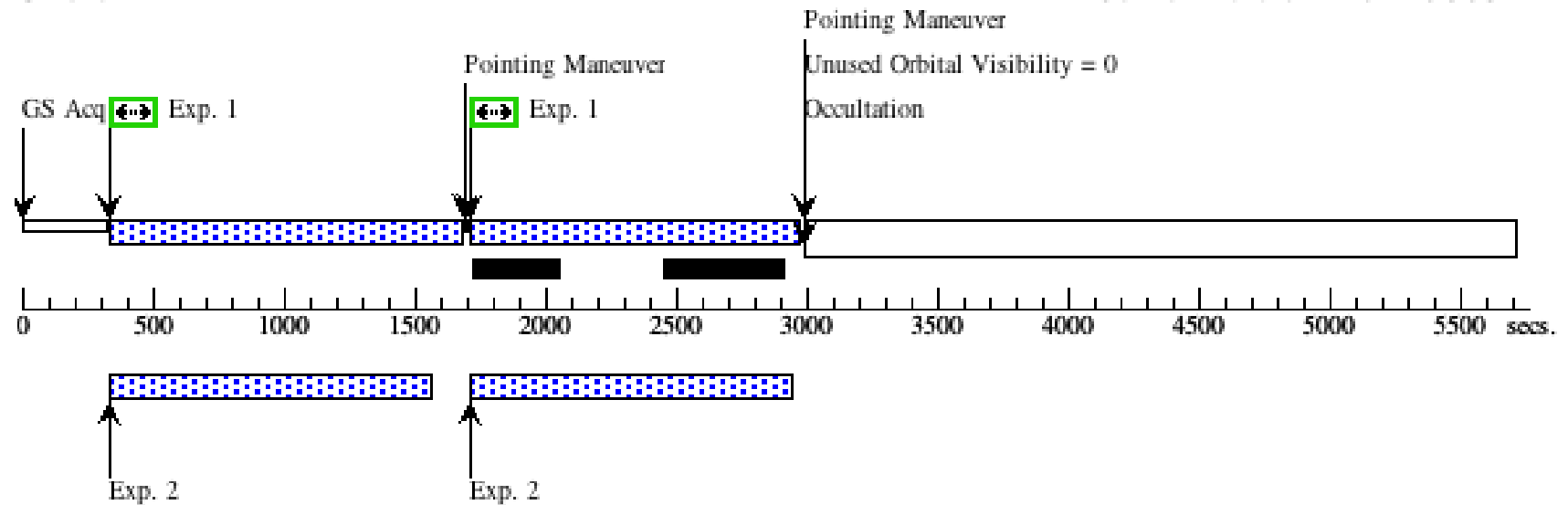


Proposal 13691 - M 66 (21) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, M 66 (21)										Thu Jul 24 00:09:12 GMT 2014
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: SCHED 100%; ORIENT 178D TO 182 D										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false								(1-2), (3-4), (5-6)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	MESSIER-066	RA: 11 20 31.4800 (170.1311667d) Dec: +12 59 45.01 (12.99584d) Equinox: J2000				V=12.08		Reference Frame: NED		
Comments: This object was generated by the targetselector and retrieved from the NED database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(9) MESSIER-066	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in M 66 (21) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in M 66 (21)	1100 Secs (2282 Secs) [==>1141.0 Secs (Pattern 1)] [==>1141.0 Secs (Pattern 2)]	[1]	
	2		(9) MESSIER-066	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in M 66 (21) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in M 66 (21)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	3		(9) MESSIER-066	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 3-4 in M 66 (21) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in M 66 (21)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[2]	
	4		(9) MESSIER-066	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in M 66 (21) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in M 66 (21)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]	
	5		(9) MESSIER-066	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 5-6 in M 66 (21) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in M 66 (21)	1100 Secs (2420 Secs) [==>1210.0 Secs (Pattern 1)] [==>1210.0 Secs (Pattern 2)]	[3]	
	6		(9) MESSIER-066	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in M 66 (21) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in M 66 (21)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]	

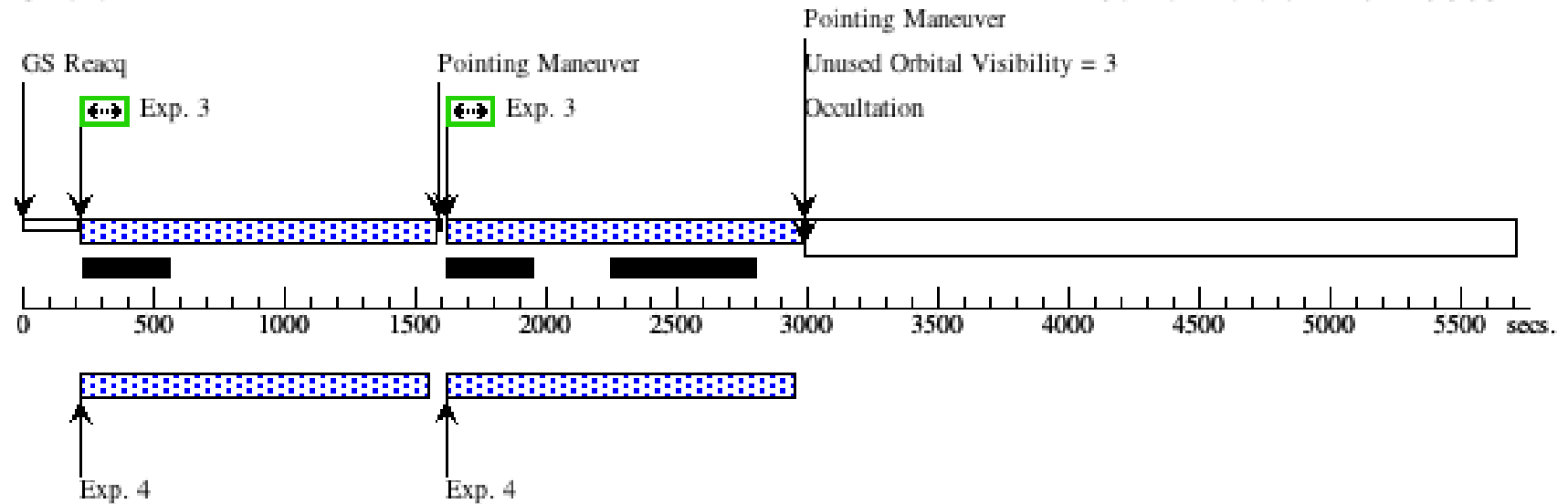
Orbit 1

Server Version: 20140605



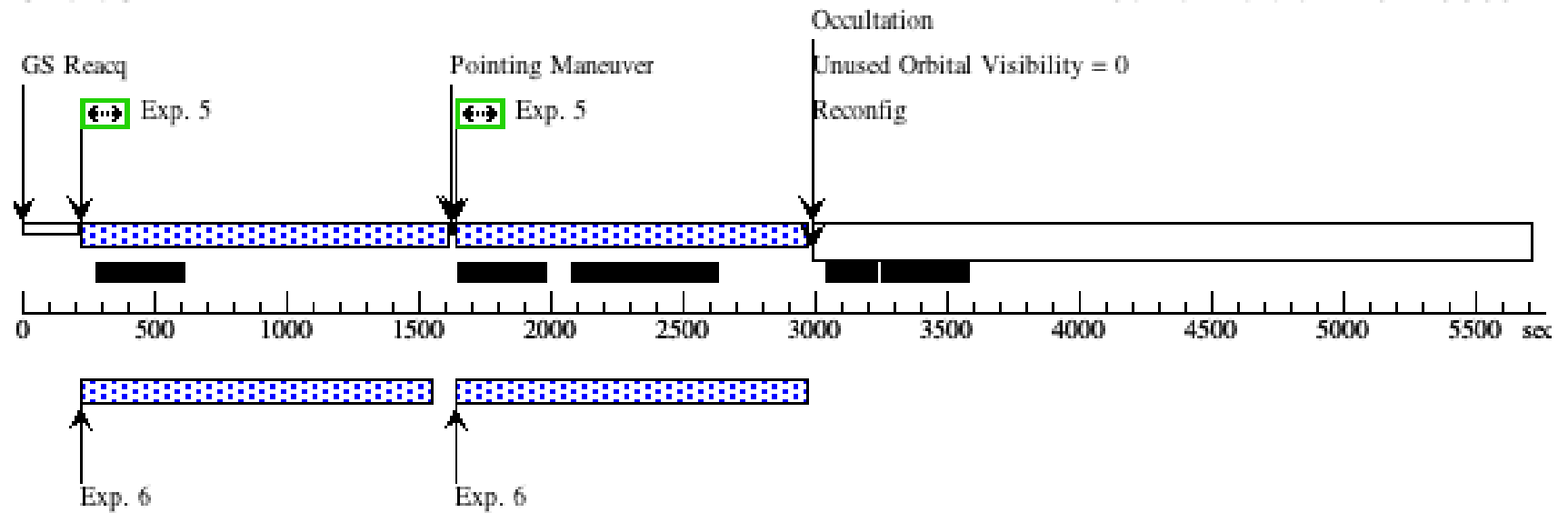
Orbit 2

Server Version: 20140605



Orbit 3

Server Version: 20140605



Proposal 13691 - M 96 (22) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

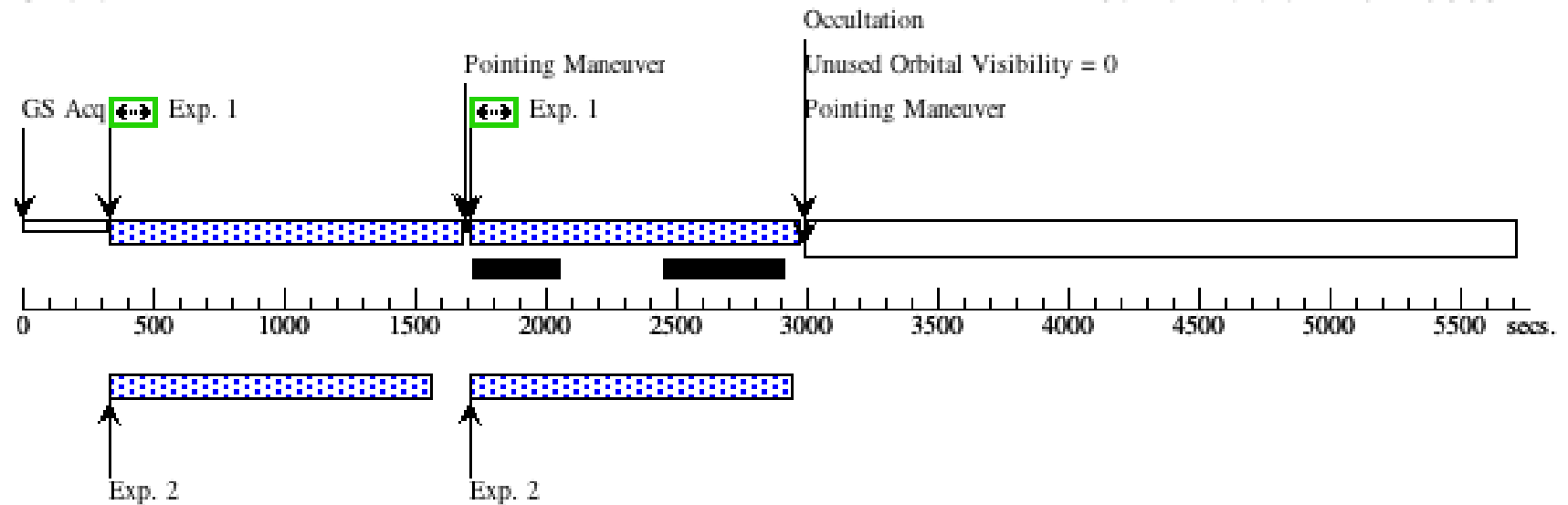
Visit	Proposal 13691, M 96 (22) Thu Jul 24 00:09:12 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 268D TO 272 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(10)	MESSIER-096	RA: 10 47 2.9380 (161.7622417d) Dec: +11 49 28.00 (11.82444d) Equinox: J2000	V=9.59	Reference Frame: NED
	Comments: This object was generated by the targetselector and retrieved from the NED database.				

Proposal 13691 - M 96 (22) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) MESSIER-096	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in M 96 (22) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in M 96 (22)	1100 Secs (2282 Secs) [==>1141.0 Secs (Pattern 1)] [==>1141.0 Secs (Pattern 2)]	[1]
	2		(10) MESSIER-096	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in M 96 (22) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in M 96 (22)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(10) MESSIER-096	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 3-4 in M 96 (22) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in M 96 (22)	1150 Secs (2474 Secs) [==>1237.0 Secs (Pattern 1)] [==>1237.0 Secs (Pattern 2)]	[2]
	4		(10) MESSIER-096	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in M 96 (22) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in M 96 (22)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(10) MESSIER-096	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 5-6 in M 96 (22) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in M 96 (22)	1150 Secs (2474 Secs) [==>1237.0 Secs (Pattern 1)] [==>1237.0 Secs (Pattern 2)]	[3]
	6		(10) MESSIER-096	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in M 96 (22) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in M 96 (22)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(10) MESSIER-096	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 7-8 in M 96 (22) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in M 96 (22)	1150 Secs (2420 Secs) [==>1210.0 Secs (Pattern 1)] [==>1210.0 Secs (Pattern 2)]	[4]
	8		(10) MESSIER-096	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in M 96 (22) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in M 96 (22)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

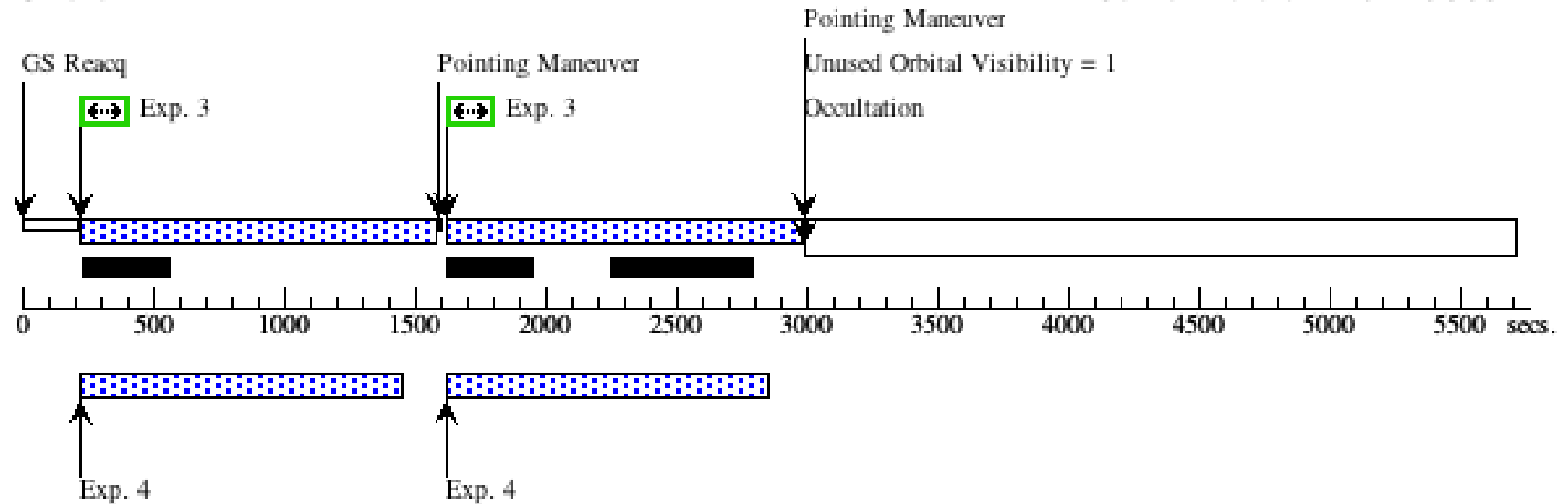
Orbit 1

Server Version: 20140605



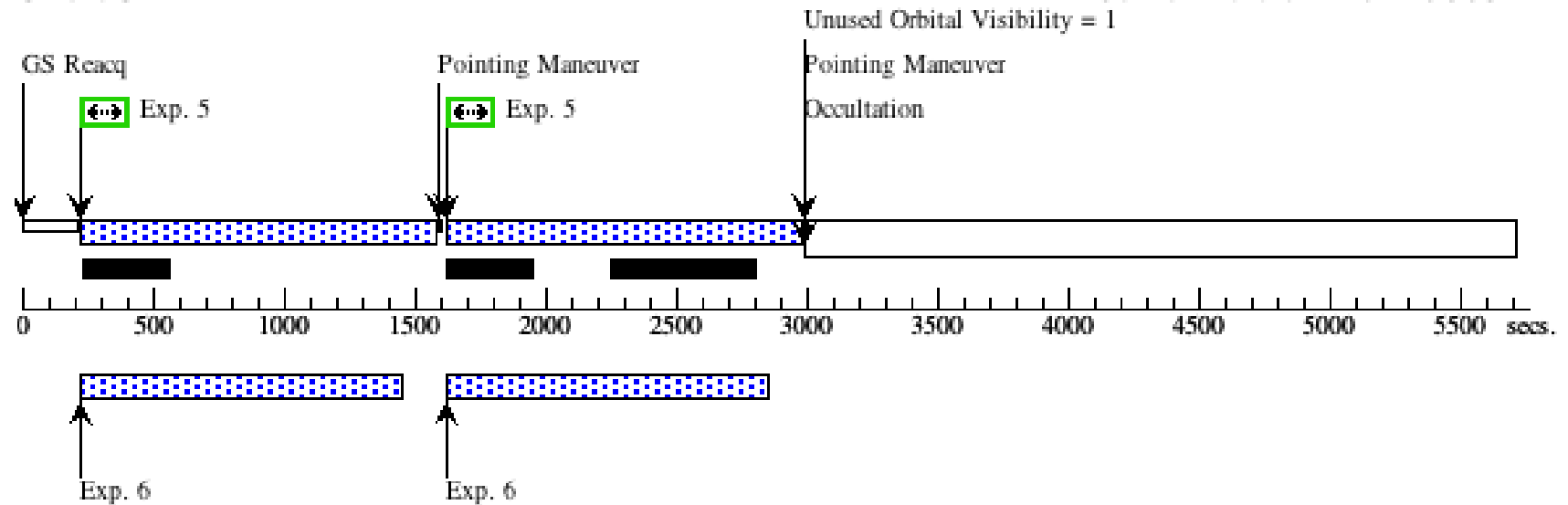
Orbit 2

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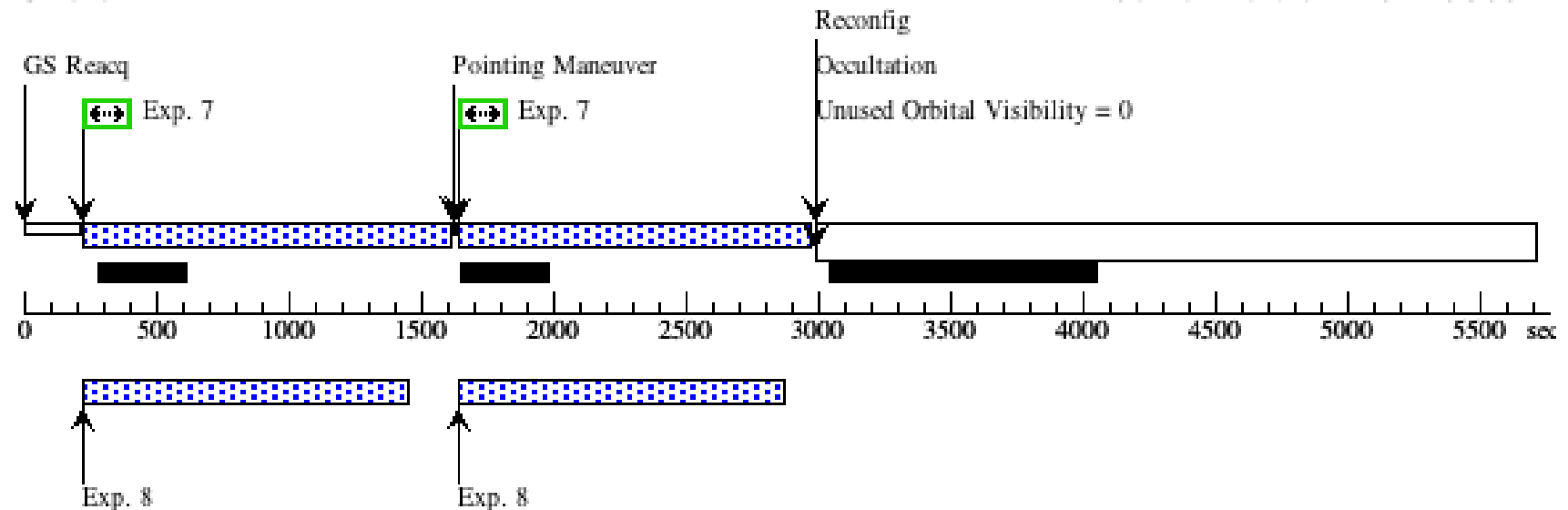
Orbit 3

Server Version: 20140605



Orbit 4

Server Version: 20140605



Proposal 13691 - NGC 4536 (23) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 4536 (23) Thu Jul 24 00:09:12 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 303D TO 307 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(4)	Pattern Type=ACS-WFC-DITHER- Coordinate Frame=POS-TARG LINE Pattern Orientation=85.28 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.011 Line Spacing=			(5-6), (7-8), (9-10), (11-12), (13-14)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	NGC-4536	RA: 12 34 21.1230 (188.5880125d) Dec: +02 08 40.84 (2.14468d) Equinox: J2000		V=11.26
Comments: This object was generated by the targetselector and retrieved from the NED database.					

Proposal 13691 - NGC 4536 (23) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

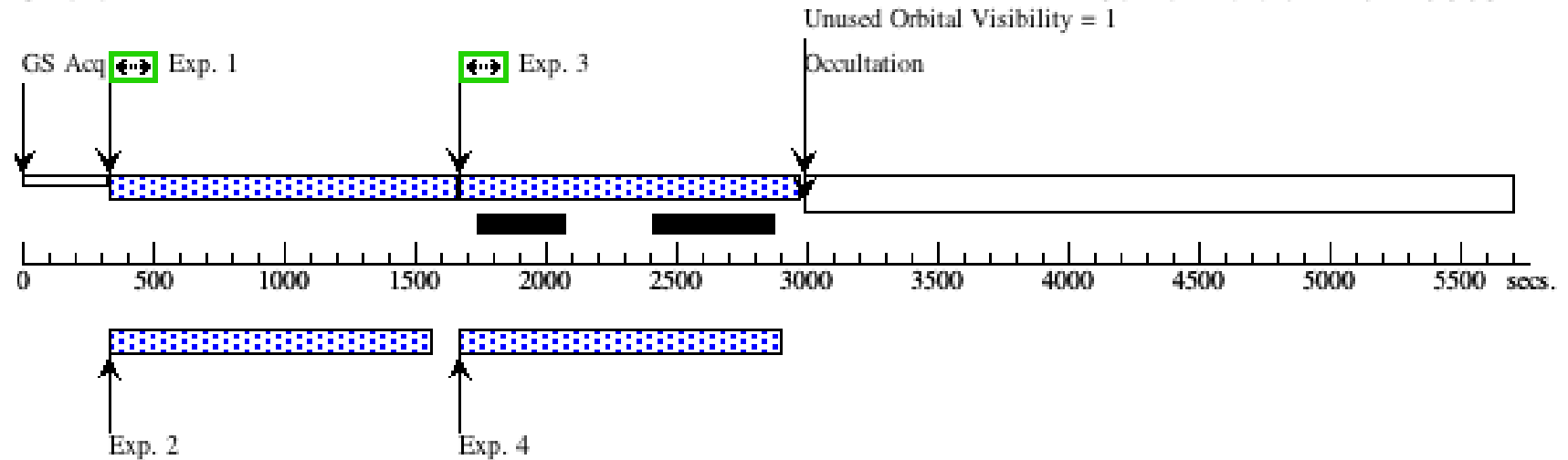
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) NGC-4536	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in NGC 4536 (23)	1100 Secs (1126 Secs) [==>1126.0 Secs]	[1]
	2		(5) NGC-4536	WFC3/IR, MULTIACCUM, IR-FIX	F110W	SAMP-SEQ=SPARS 100; NSAMP=13		Prime + Parallel Group 1-2 in NGC 4536 (23)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	3		(5) NGC-4536	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in NGC 4536 (23)	1100 Secs (1126 Secs) [==>1126.0 Secs]	[1]
	4		(5) NGC-4536	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 100; NSAMP=13		Prime + Parallel Group 3-4 in NGC 4536 (23)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	5		(5) NGC-4536	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 5-6 in NGC 4536 (23) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 4536 (23)	1100 Secs (2422 Secs) [==>1211.0 Secs (Pattern 1)] [==>1211.0 Secs (Pattern 2)]	[2]
	6		(5) NGC-4536	WFC3/IR, MULTIACCUM, IR-FIX	F110W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 5-6 in NGC 4536 (23) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 4536 (23)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7		(5) NGC-4536	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 4536 (23) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 4536 (23)	1100 Secs (2422 Secs) [==>1211.0 Secs (Pattern 1)] [==>1211.0 Secs (Pattern 2)]	[3]
	8		(5) NGC-4536	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 7-8 in NGC 4536 (23) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 4536 (23)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	9		(5) NGC-4536	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 9-10 in NGC 4536 (23) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 4536 (23)	1100 Secs (2474 Secs) [==>1237.0 Secs (Pattern 1)] [==>1237.0 Secs (Pattern 2)]	[4]
	10		(5) NGC-4536	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 9-10 in NGC 4536 (23) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 4536 (23)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 4536 (23) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	11	(5) NGC-4536	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 11-12 in NGC 4536 (23) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 4536 (23)	1100 Secs (2474 Secs) [==>1237.0 Secs (Pattern 1)] [==>1237.0 Secs (Pattern 2)]	[5]
	12	(5) NGC-4536	WFC3/IR, MULTIACCUM, IR-FIX	F160W SAMP-SEQ=SPARS 100; NSAMP=14	Pattern 4, Exps 11-12 in NGC 4536 (23) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 4536 (23)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
	13	(5) NGC-4536	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 13-14 in NGC 4536 (23) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 4536 (23)	1100 Secs (2474 Secs) [==>1237.0 Secs (Pattern 1)] [==>1237.0 Secs (Pattern 2)]	[6]
	14	(5) NGC-4536	WFC3/IR, MULTIACCUM, IR-FIX	F160W SAMP-SEQ=SPARS 100; NSAMP=14	Pattern 4, Exps 13-14 in NGC 4536 (23) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 4536 (23)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]

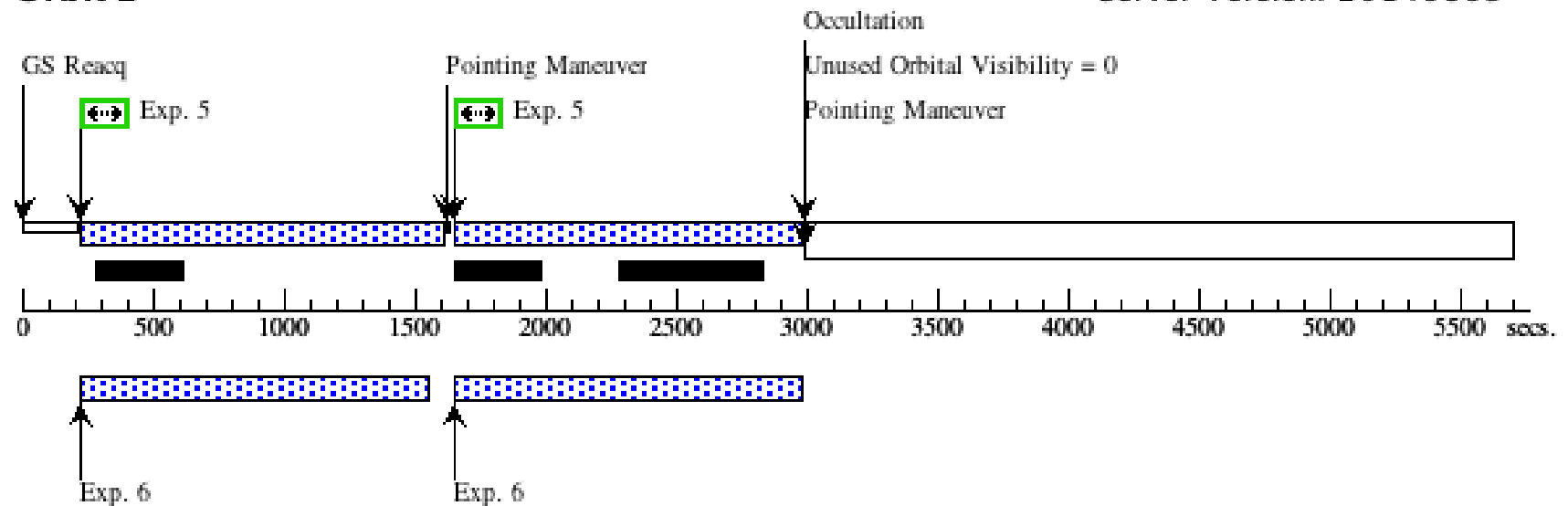
Orbit 1

Server Version: 20140605



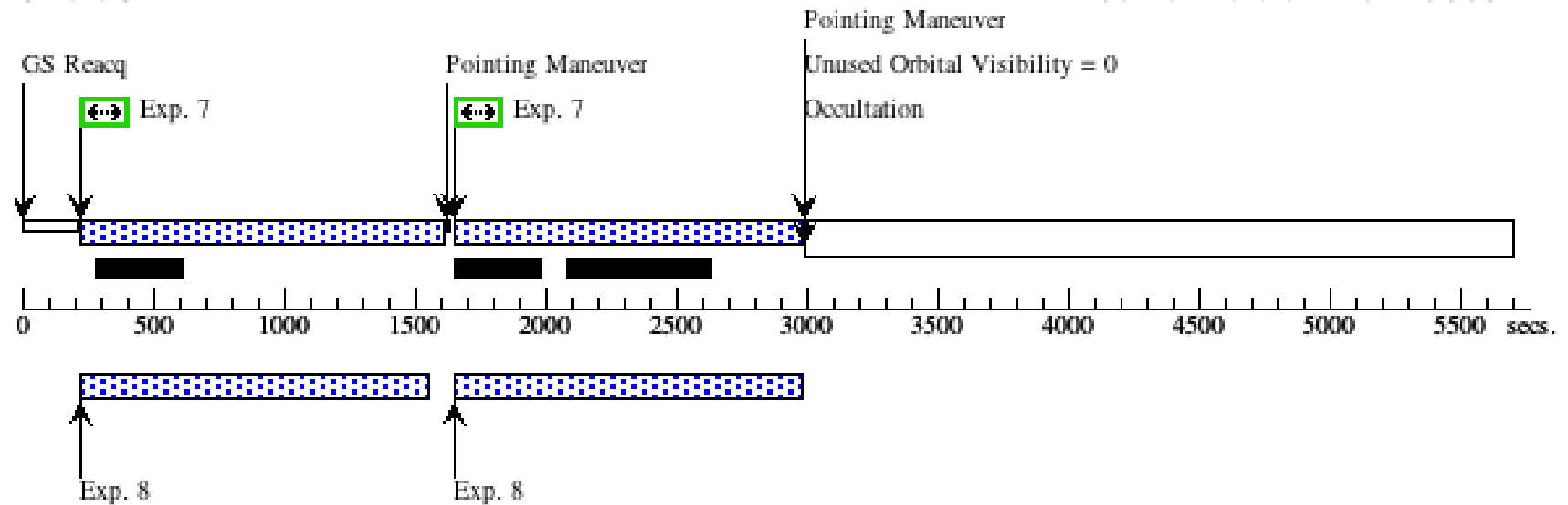
Orbit 2

Server Version: 20140605



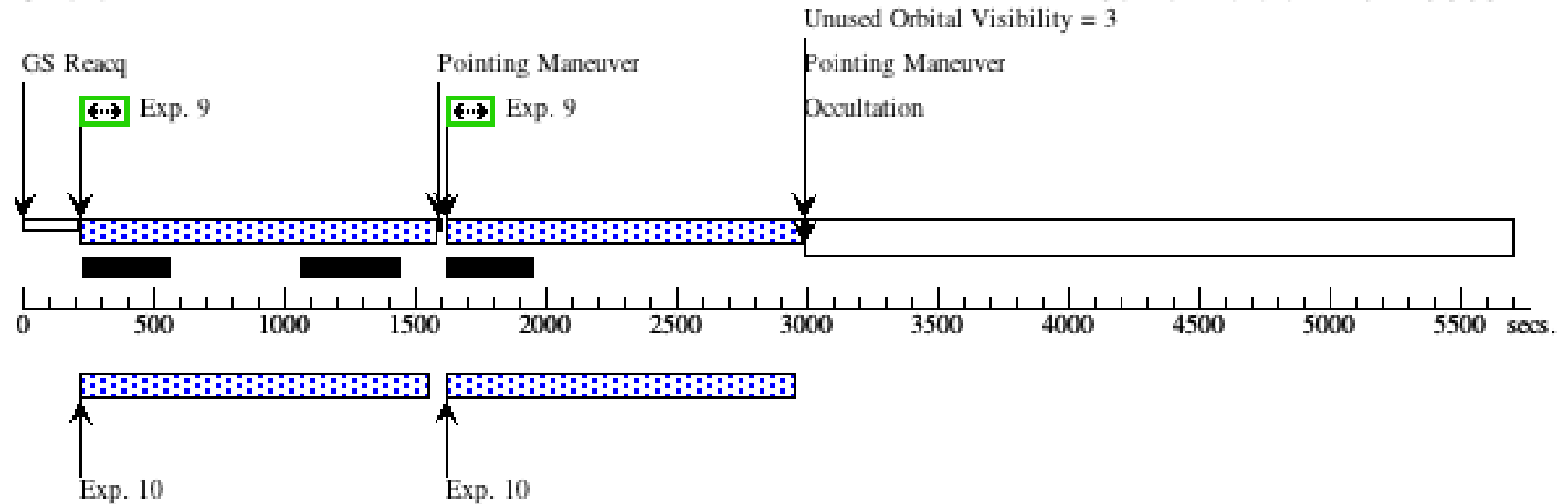
Orbit 3

Server Version: 20140605



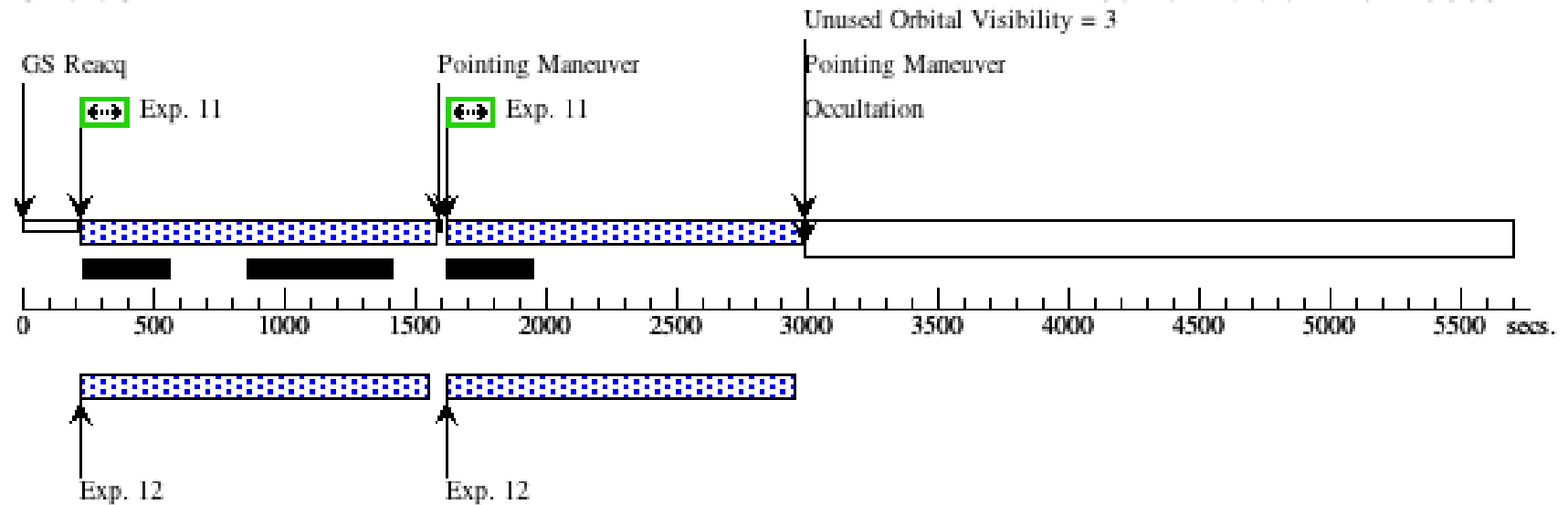
Orbit 4

Server Version: 20140605



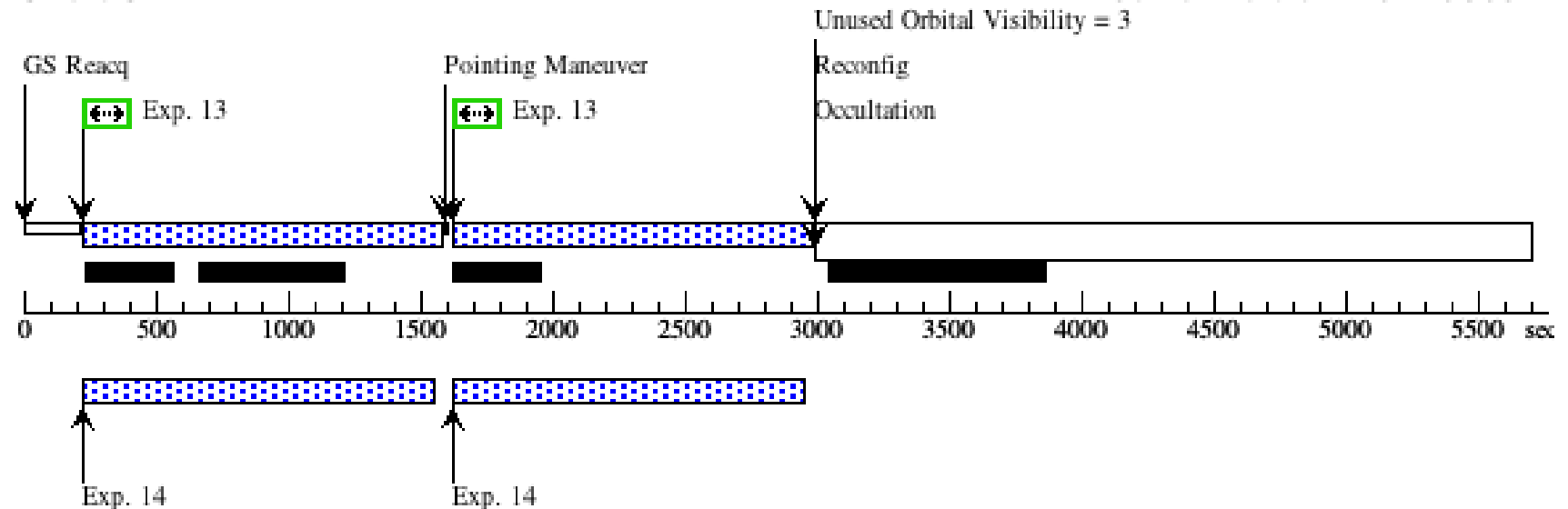
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - NGC 4526 (24) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 4526 (24) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 107D TO 111 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(5-6), (7-8), (9-10), (11-12), (13-14)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(6)	NGC-4526	RA: 12 34 3.7920 (188.5158000d) Dec: +07 45 11.71 (7.75325d) Equinox: J2000		V=11.23
Comments: This object was generated by the targetselector and retrieved from the NED database.					

Proposal 13691 - NGC 4526 (24) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

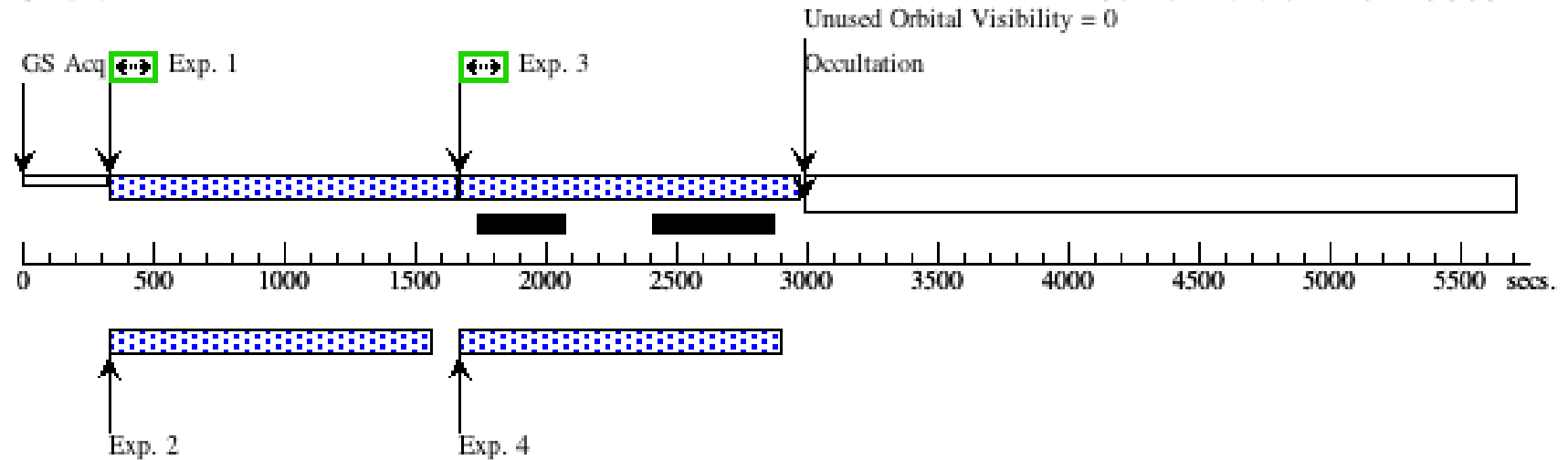
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) NGC-4526	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in NGC 4526 (24)	1100 Secs (1126 Secs) [==>1126.0 Secs]	[1]
	2		(6) NGC-4526	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 100; NSAMP=13		Prime + Parallel Group 1-2 in NGC 4526 (24)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	3		(6) NGC-4526	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in NGC 4526 (24)	1100 Secs (1126 Secs) [==>1126.0 Secs]	[1]
	4		(6) NGC-4526	WFC3/IR, MULTIACCUM, IR-FIX	F110W	SAMP-SEQ=SPARS 100; NSAMP=13		Prime + Parallel Group 3-4 in NGC 4526 (24)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	5		(6) NGC-4526	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 5-6 in NGC 4526 (24) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 4526 (24)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[2]
	6		(6) NGC-4526	WFC3/IR, MULTIACCUM, IR-FIX	F110W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 5-6 in NGC 4526 (24) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 4526 (24)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7		(6) NGC-4526	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 4526 (24) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 4526 (24)	1100 Secs (2420 Secs) [==>1210.0 Secs (Pattern 1)] [==>1210.0 Secs (Pattern 2)]	[3]
	8		(6) NGC-4526	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 7-8 in NGC 4526 (24) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 4526 (24)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	9		(6) NGC-4526	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 9-10 in NGC 4526 (24) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 4526 (24)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[4]
	10		(6) NGC-4526	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 9-10 in NGC 4526 (24) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 4526 (24)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 4526 (24) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	11	(6) NGC-4526	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 11-12 in NGC 4526 (24) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 4526 (24)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[5]
	12	(6) NGC-4526	WFC3/IR, MULTIACCUM, IR-FIX	F160W SAMP-SEQ=SPARS 100; NSAMP=14	Pattern 4, Exps 11-12 in NGC 4526 (24) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 4526 (24)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
	13	(6) NGC-4526	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 13-14 in NGC 4526 (24) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 4526 (24)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[6]
	14	(6) NGC-4526	WFC3/IR, MULTIACCUM, IR-FIX	F160W SAMP-SEQ=SPARS 100; NSAMP=14	Pattern 4, Exps 13-14 in NGC 4526 (24) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 4526 (24)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]

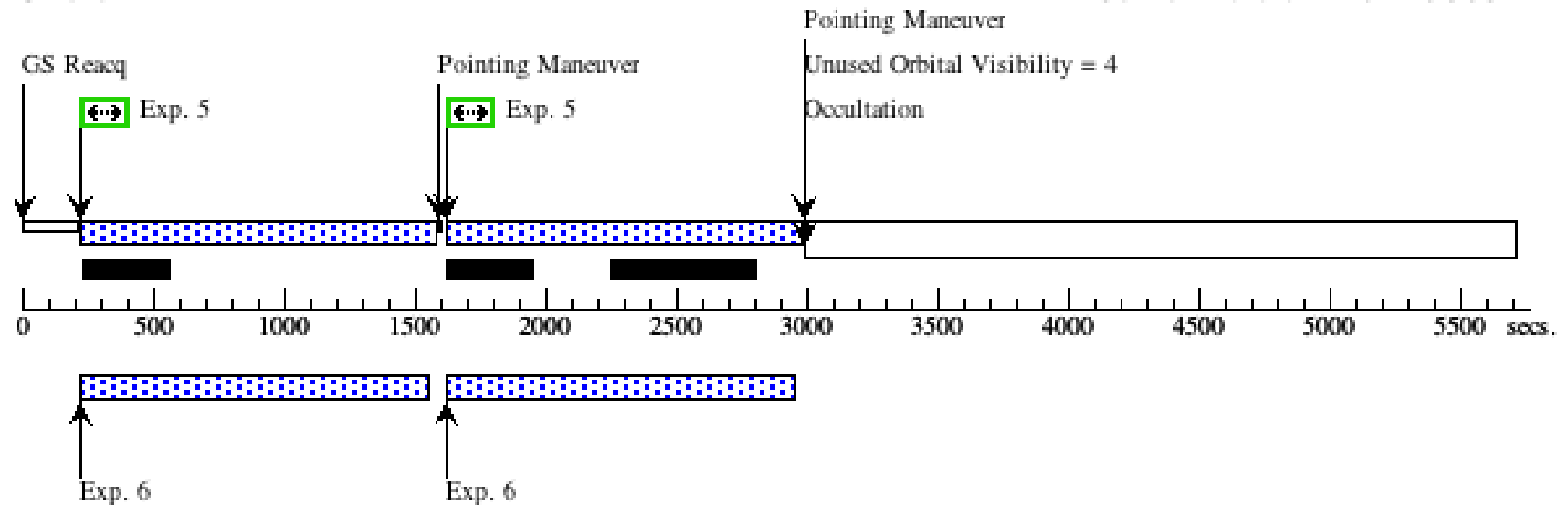
Orbit 1

Server Version: 20140605



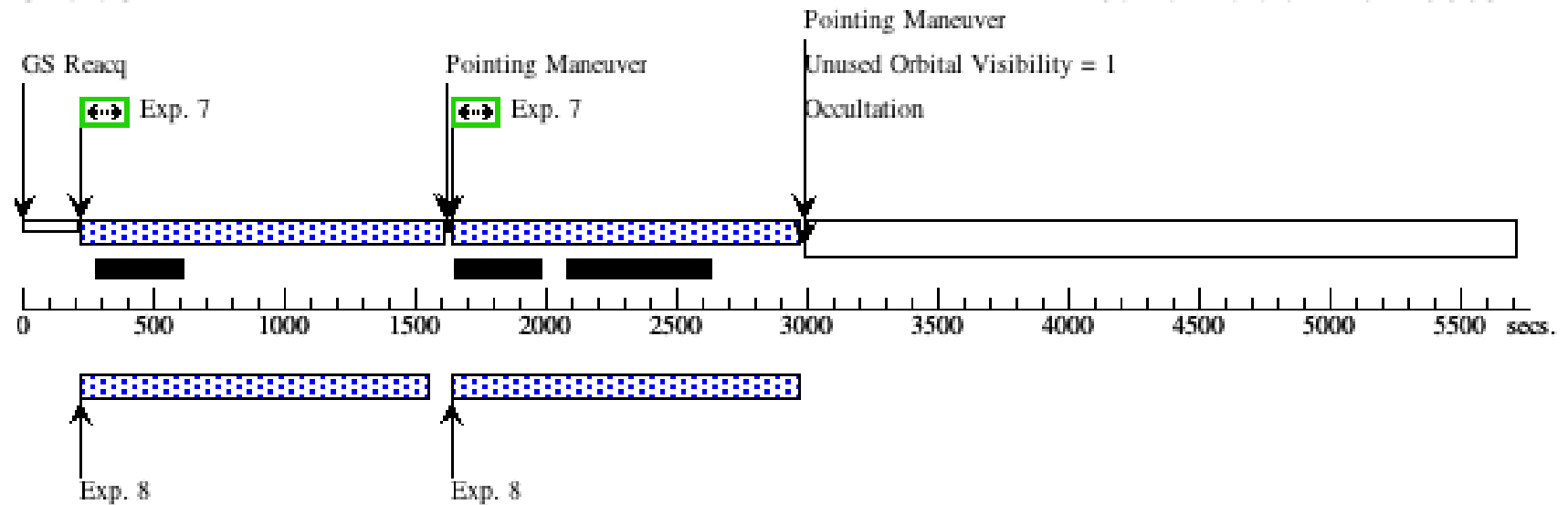
Orbit 2

Server Version: 20140605



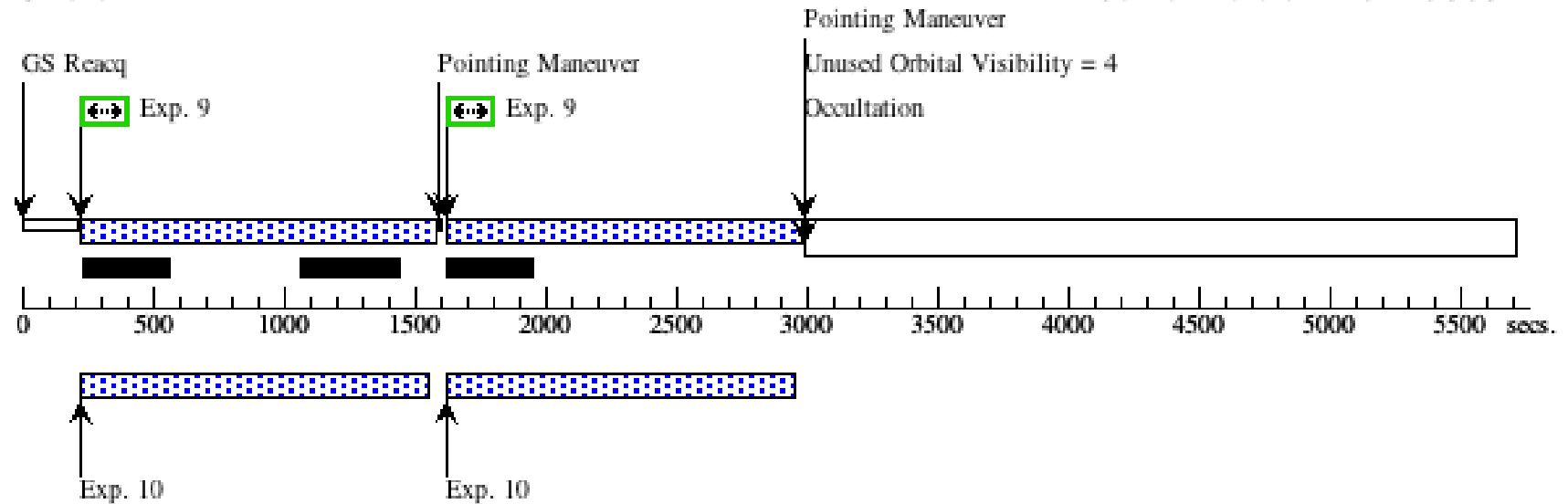
Orbit 3

Server Version: 20140605



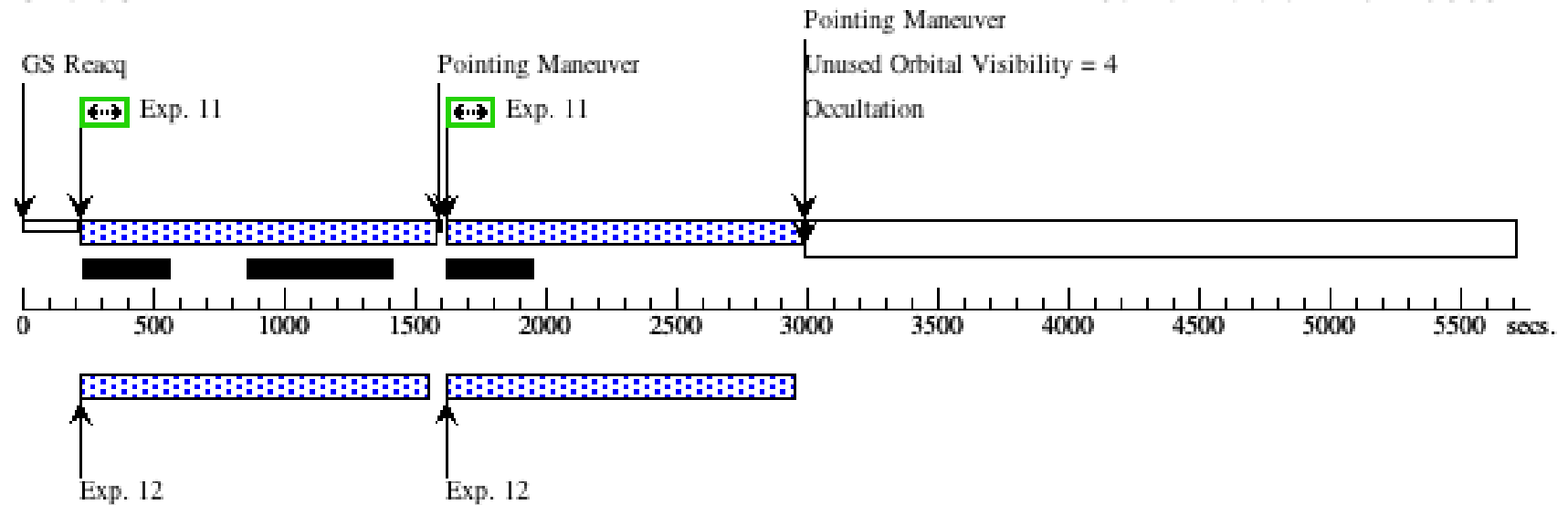
Orbit 4

Server Version: 20140605



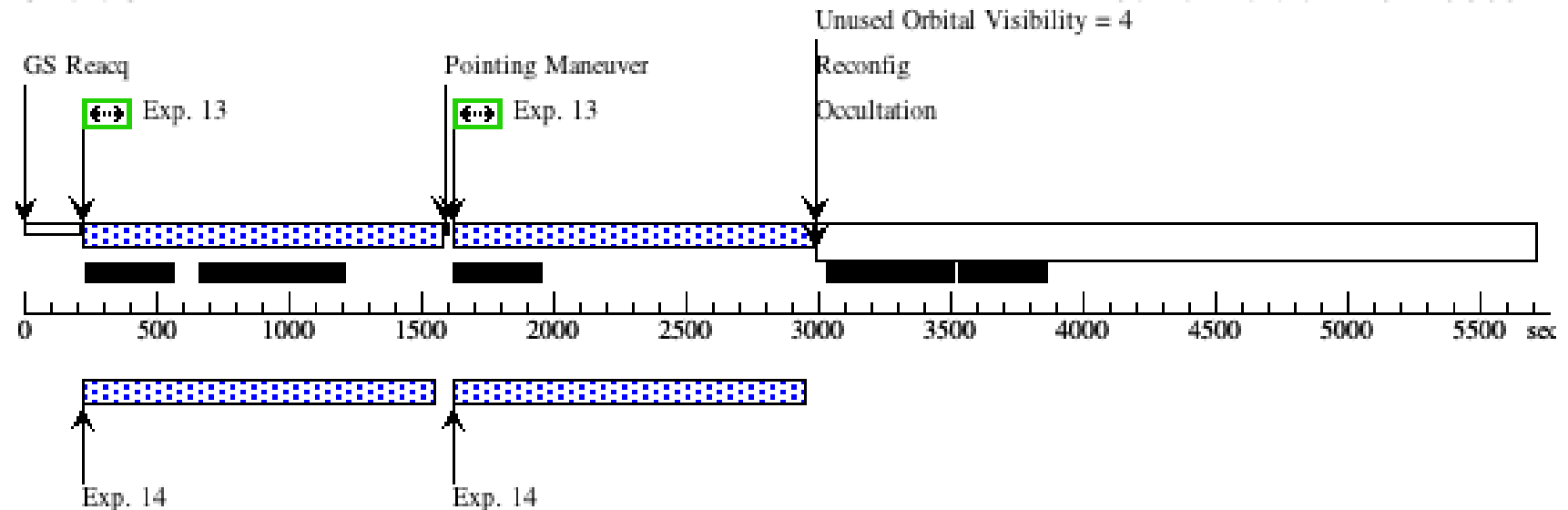
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - NGC 4424 (25) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 4424 (25) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 276D TO 280 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(4)	Pattern Type=ACS-WFC-DITHER- Coordinate Frame=POS-TARG LINE Pattern Orientation=85.28 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.011 Line Spacing=			(5-6), (7-8), (9-10), (11-12), (13-14)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(8)	NGC-4424	RA: 12 27 9.7050 (186.7904375d) Dec: +09 22 53.00 (9.38139d) Equinox: J2000		V=11.66
Comments: This object was generated by the targetselector and retrieved from the NED database.					

Proposal 13691 - NGC 4424 (25) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

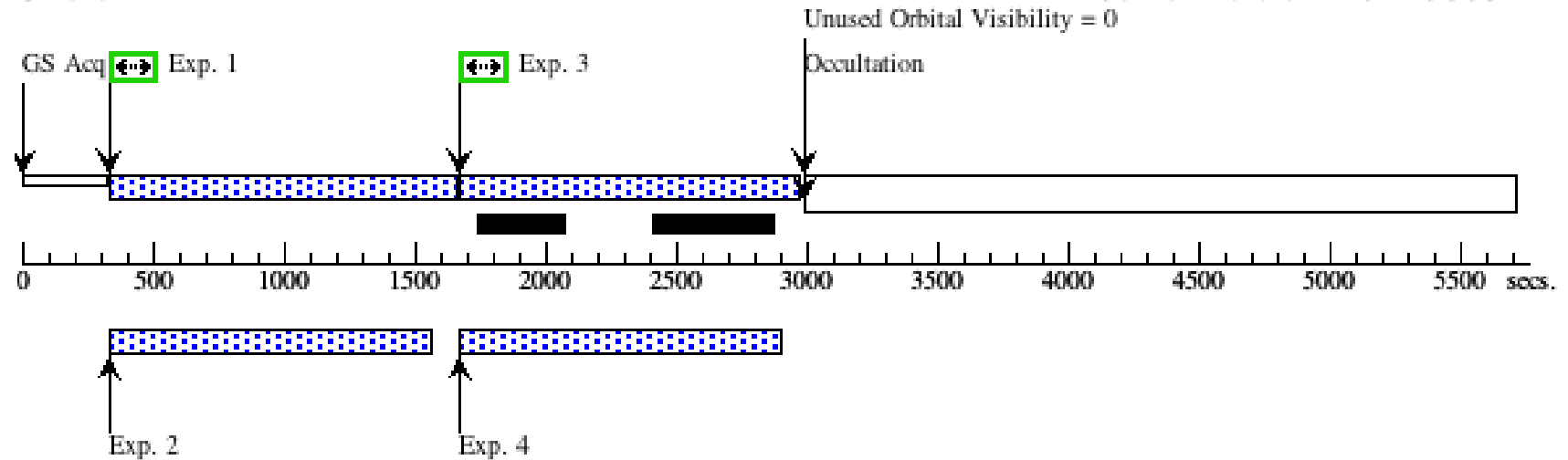
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) NGC-4424	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in NGC 4424 (25)	1100 Secs (1126 Secs) [==>1126.0 Secs]	[1]
	2		(8) NGC-4424	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Prime + Parallel Group 1-2 in NGC 4424 (25)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	3		(8) NGC-4424	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in NGC 4424 (25)	1100 Secs (1126 Secs) [==>1126.0 Secs]	[1]
	4		(8) NGC-4424	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=SPAR S100		Prime + Parallel Group 3-4 in NGC 4424 (25)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	5		(8) NGC-4424	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 5-6 in NGC 4424 (25) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 4424 (25)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[2]
	6		(8) NGC-4424	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in NGC 4424 (25) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 4424 (25)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7		(8) NGC-4424	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 4424 (25) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 4424 (25)	1100 Secs (2420 Secs) [==>1210.0 Secs (Pattern 1)] [==>1210.0 Secs (Pattern 2)]	[3]
	8		(8) NGC-4424	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in NGC 4424 (25) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 4424 (25)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	9		(8) NGC-4424	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 9-10 in NGC 4424 (25) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 4424 (25)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[4]
	10		(8) NGC-4424	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 9-10 in NGC 4424 (25) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 4424 (25)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 4424 (25) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

	11	(8) NGC-4424	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 11-12 in NGC 4424 (25) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 4424 (25)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[5]
	12	(8) NGC-4424	WFC3/IR, MULTIACCUM, IR-FIX	F160W NSAMP=14; SAMP-SEQ=SPAR S100	Pattern 4, Exps 11-12 in NGC 4424 (25) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 4424 (25)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
	13	(8) NGC-4424	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 13-14 in NGC 4424 (25) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 4424 (25)	1100 Secs (2472 Secs) [==>1236.0 Secs (Pattern 1)] [==>1236.0 Secs (Pattern 2)]	[6]
	14	(8) NGC-4424	WFC3/IR, MULTIACCUM, IR-FIX	F160W NSAMP=14; SAMP-SEQ=SPAR S100	Pattern 4, Exps 13-14 in NGC 4424 (25) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 4424 (25)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]

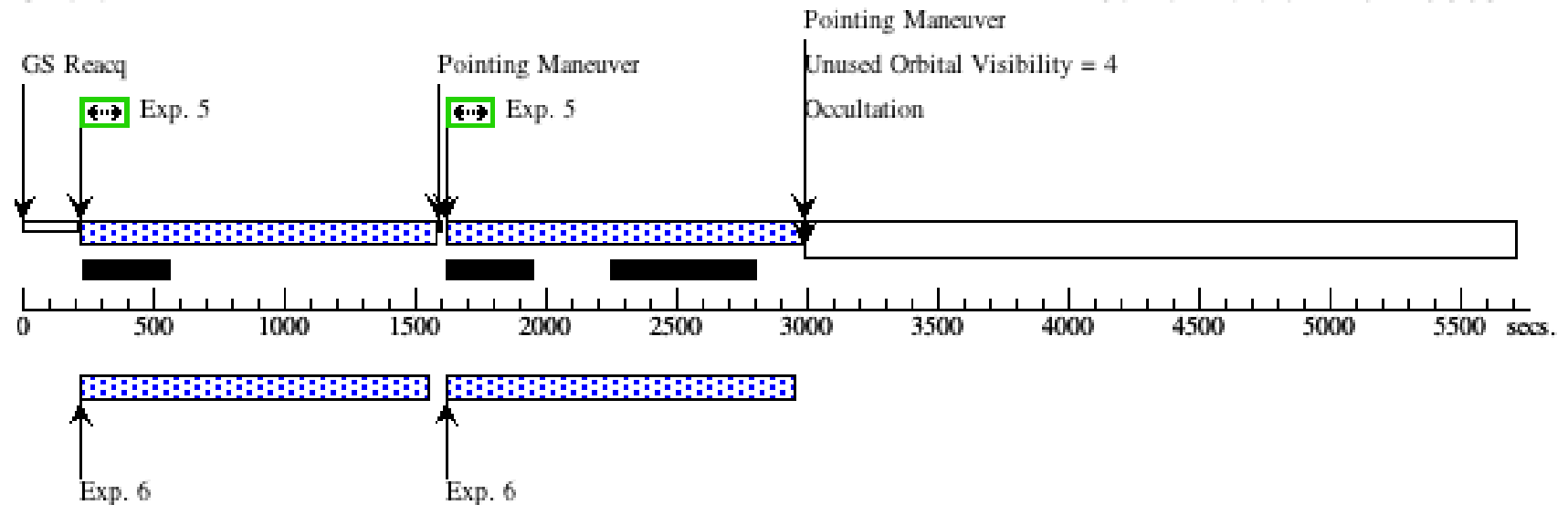
Orbit 1

Server Version: 20140605



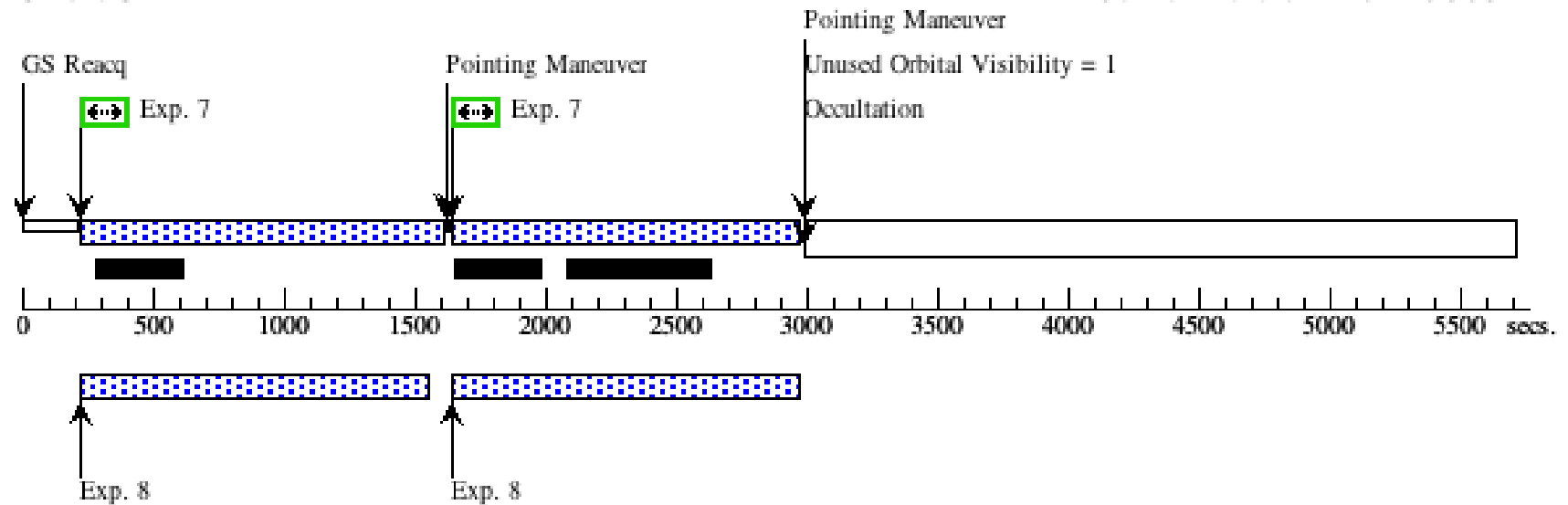
Orbit 2

Server Version: 20140605



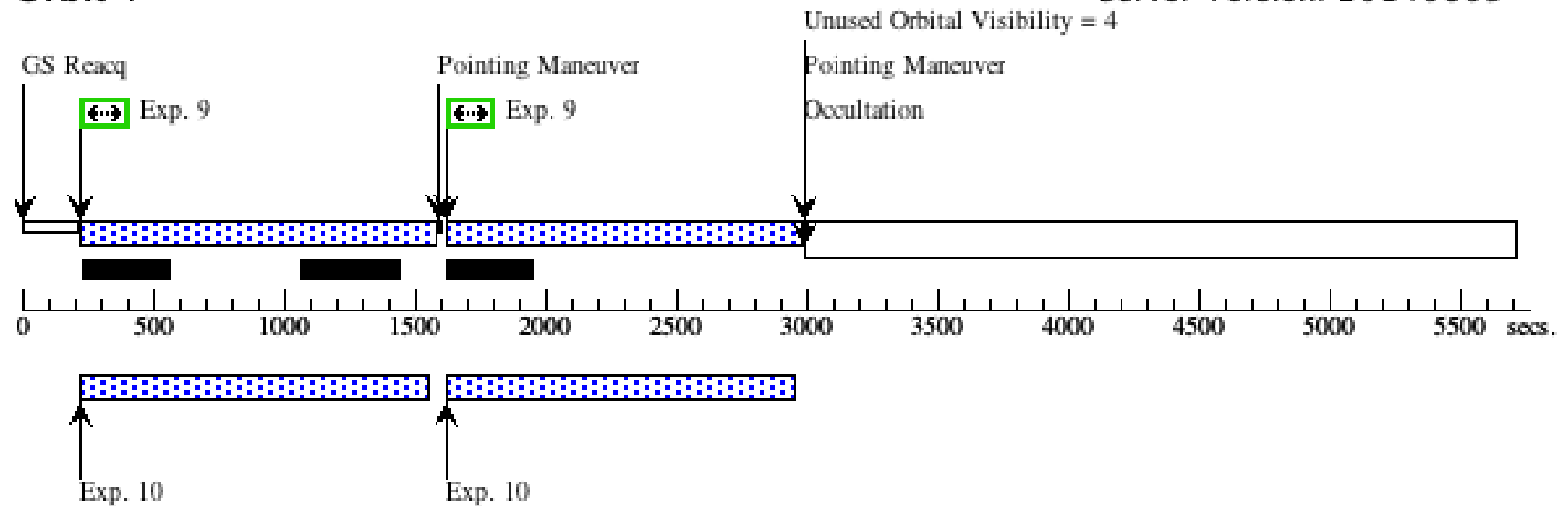
Orbit 3

Server Version: 20140605



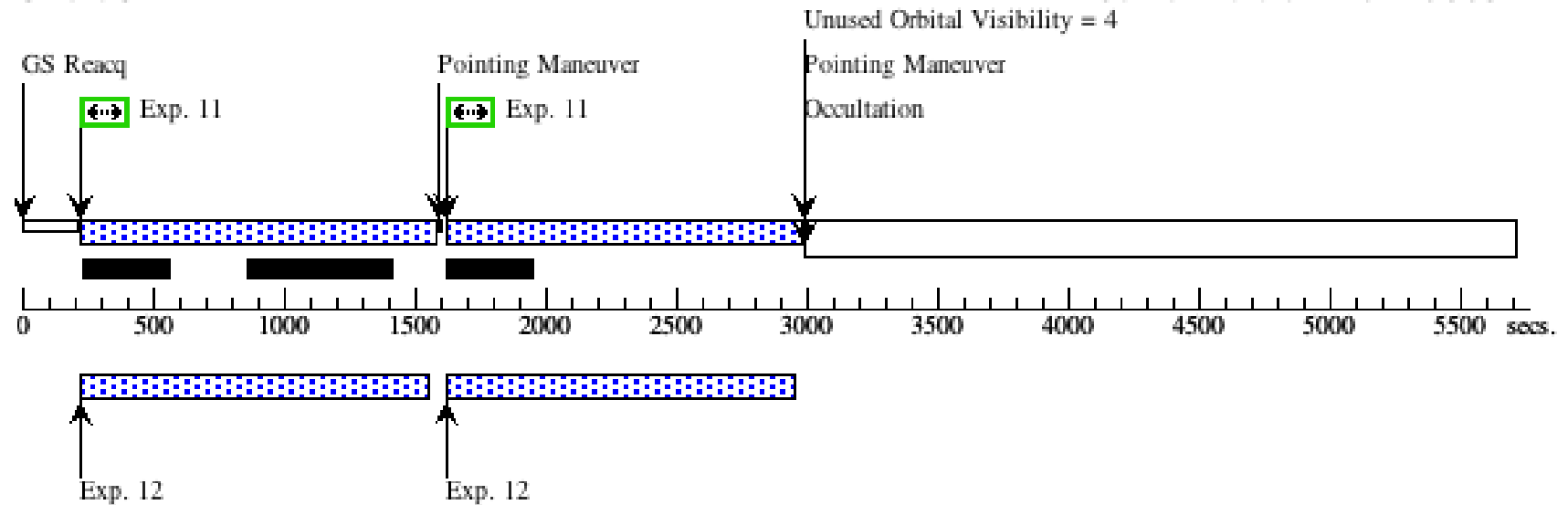
Orbit 4

Server Version: 20140605



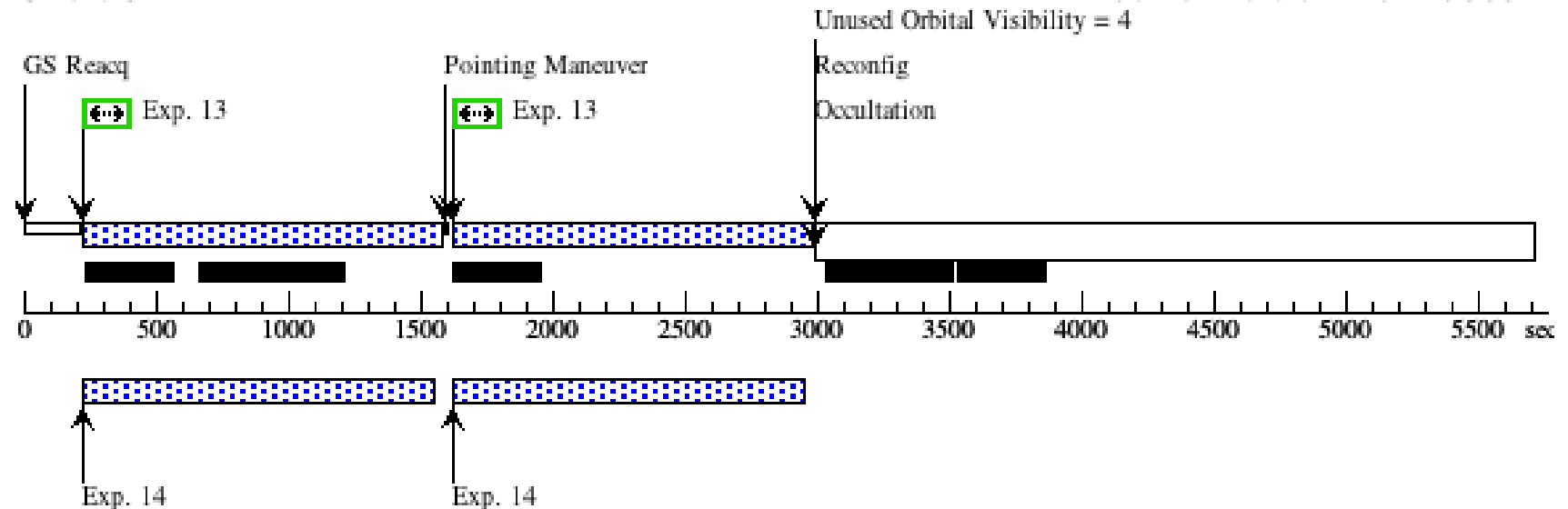
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - NGC 1448-1 (26) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1448-1 (26) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 133D TO 137 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(5-6), (7-8), (9-10), (11-12), (13-14)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(7)	NGC-1448	RA: 03 44 26.5880 (56.1107833d) Dec: -44 36 14.22 (-44.60395d) Equinox: J2000	V=10.94	Reference Frame: NED
Comments: This object was generated by the targetselector and retrieved from the NED database.					

Proposal 13691 - NGC 1448-1 (26) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

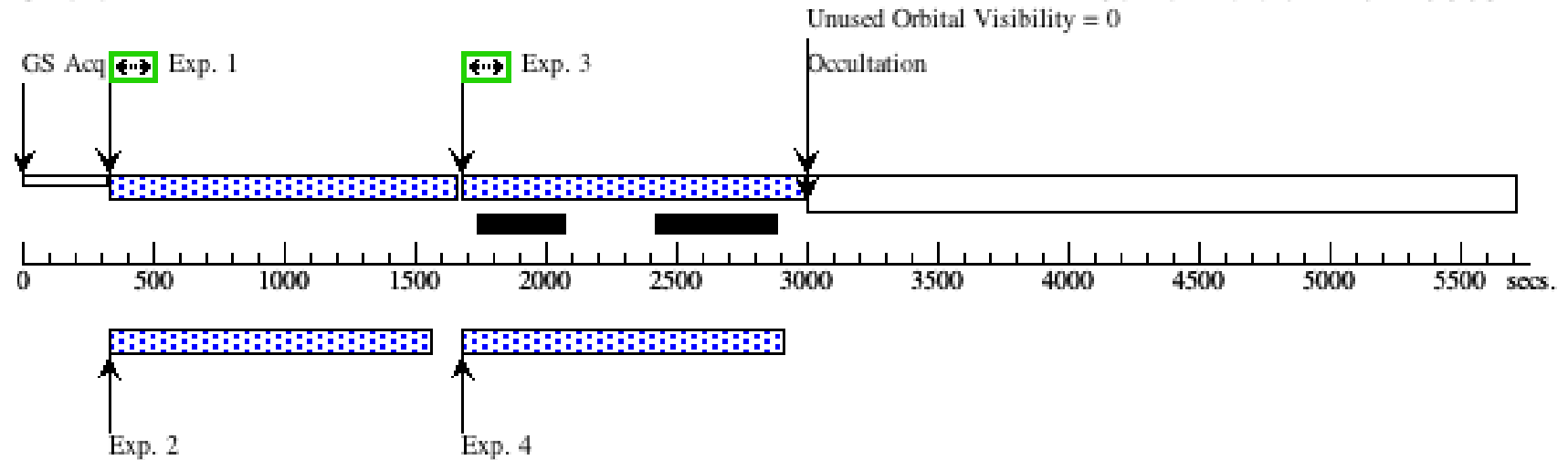
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in NGC 1448-1 (26)	1100 Secs (1129 Secs) [==>1129.0 Secs]	[1]
	2		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=13		Prime + Parallel Group 1-2 in NGC 1448-1 (26)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	3		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in NGC 1448-1 (26)	1100 Secs (1129 Secs) [==>1129.0 Secs]	[1]
	4		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 100; NSAMP=13		Prime + Parallel Group 3-4 in NGC 1448-1 (26)	1202.936167 Secs (1202.936 Secs) [==>]	[1]
	5		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 5-6 in NGC 1448-1 (26) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1448-1 (26)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[2]
	6		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 5-6 in NGC 1448-1 (26) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1448-1 (26)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 7-8 in NGC 1448-1 (26) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1448-1 (26)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[3]
	8		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 7-8 in NGC 1448-1 (26) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1448-1 (26)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	9		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 9-10 in NGC 1448-1 (26) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1448-1 (26)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[4]
	10		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 9-10 in NGC 1448-1 (26) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1448-1 (26)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1448-1 (26) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

11	(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W		Pattern 4, Exps 11-12 in NGC 1448-1 (26) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 1448-1 (26)	1100 Secs (2426 Secs) [==>1213.0 Secs (Pattern 1)] [==>1213.0 Secs (Pattern 2)]	[5]
12	(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=14	Pattern 4, Exps 11-12 in NGC 1448-1 (26) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 1448-1 (26)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
13	(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W		Pattern 4, Exps 13-14 in NGC 1448-1 (26) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 1448-1 (26)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[6]
14	(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=14	Pattern 4, Exps 13-14 in NGC 1448-1 (26) (4) Prime + Parallel Group 13-14 in Pattern 4, Exps 13-14 in NGC 1448-1 (26)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]

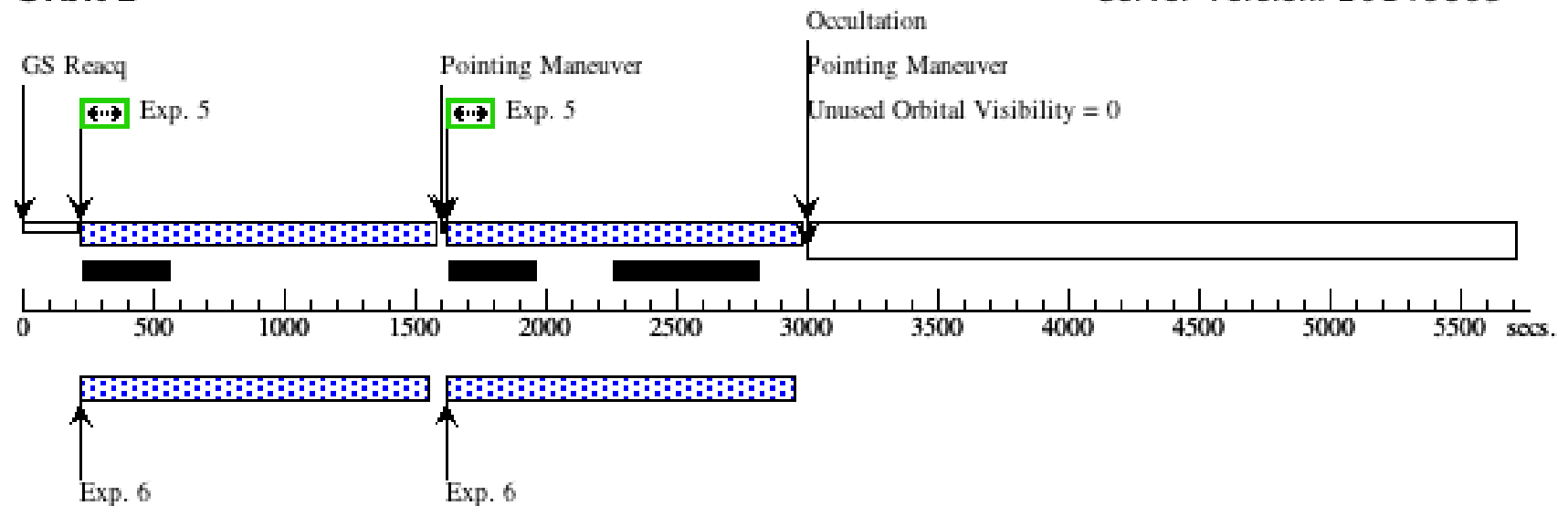
Orbit 1

Server Version: 20140605



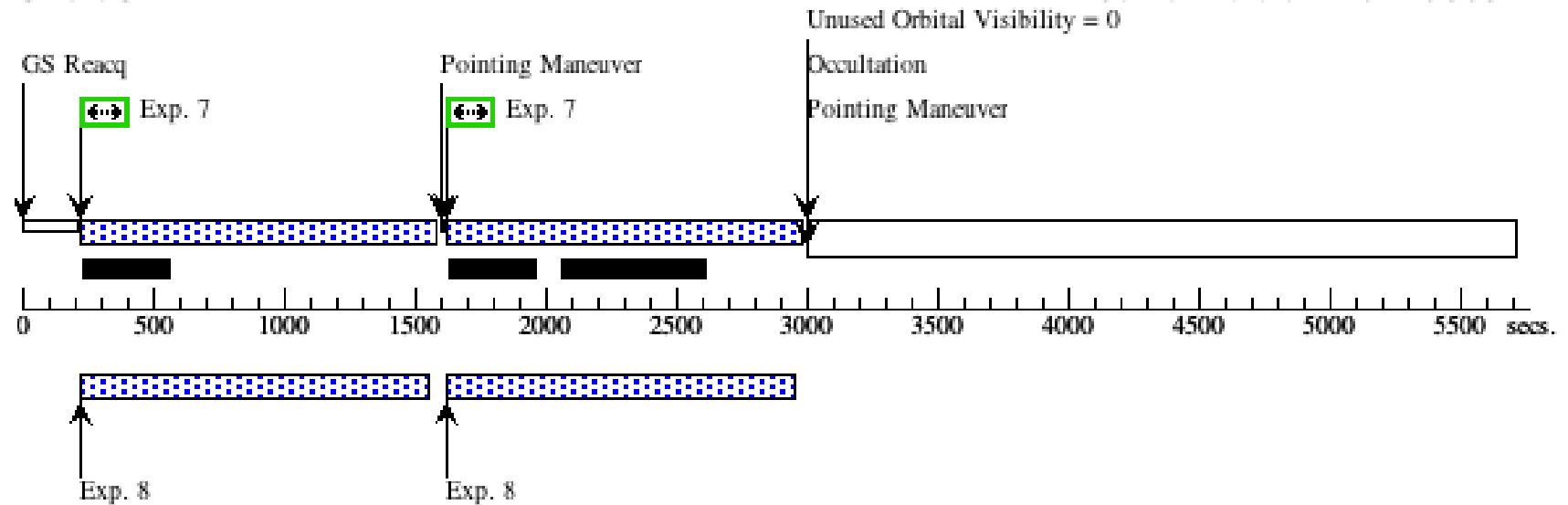
Orbit 2

Server Version: 20140605



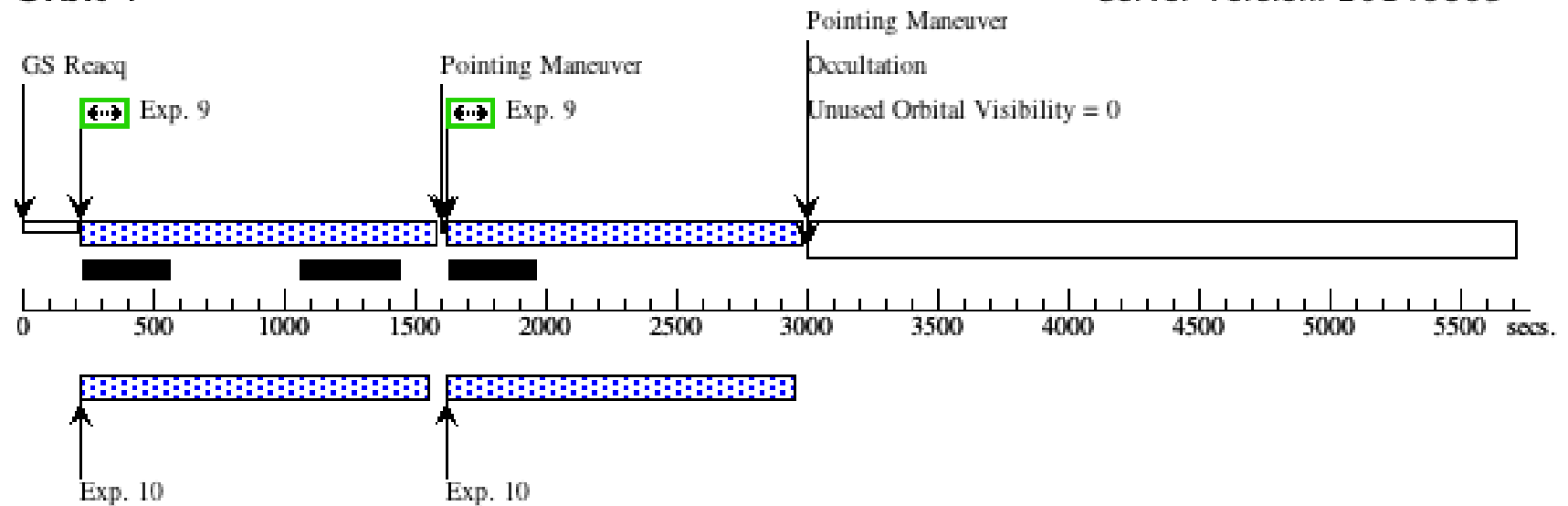
Orbit 3

Server Version: 20140605



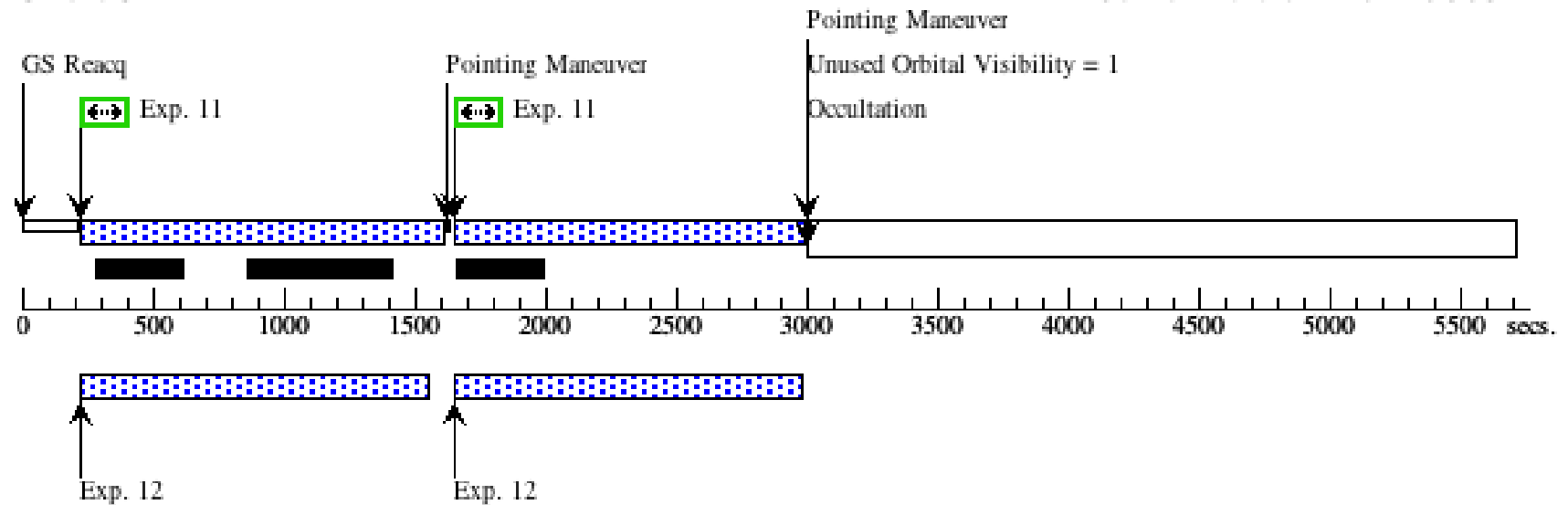
Orbit 4

Server Version: 20140605



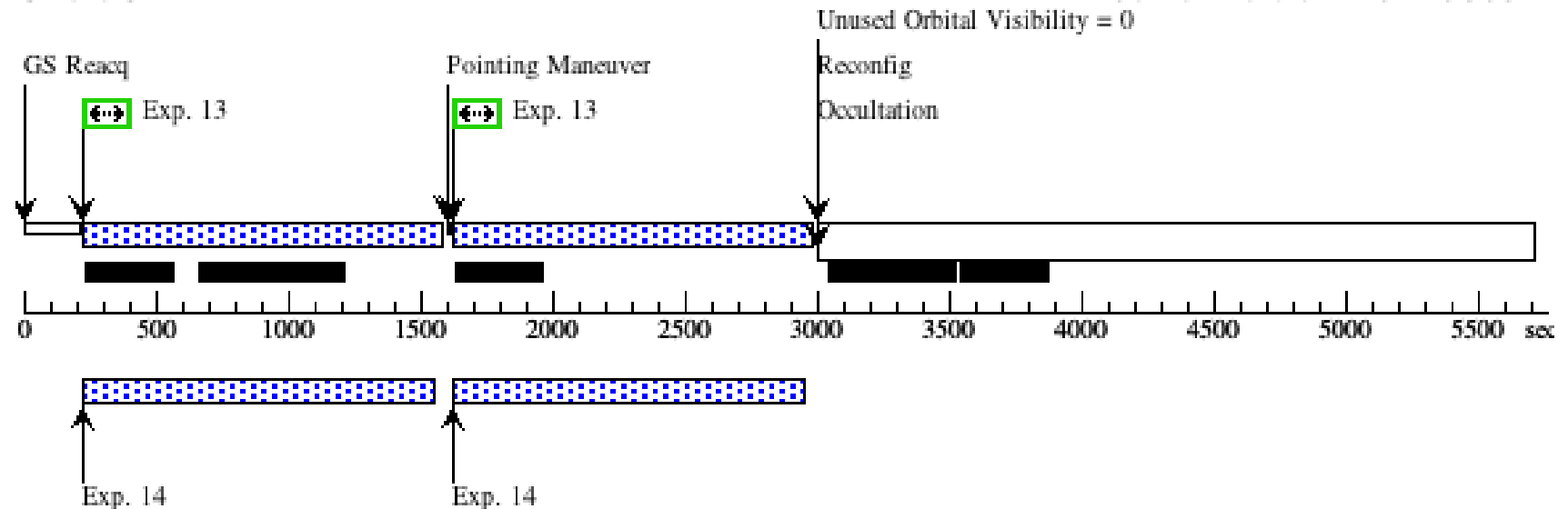
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - NGC 1448-2 (27) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1448-2 (27) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 133D TO 137 D; AFTER 26 BY 1 D TO 10 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8), (9-10)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(7)	NGC-1448	RA: 03 44 26.5880 (56.1107833d) Dec: -44 36 14.22 (-44.60395d) Equinox: J2000		V=10.94
Comments: This object was generated by the targetselector and retrieved from the NED database.					

Proposal 13691 - NGC 1448-2 (27) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

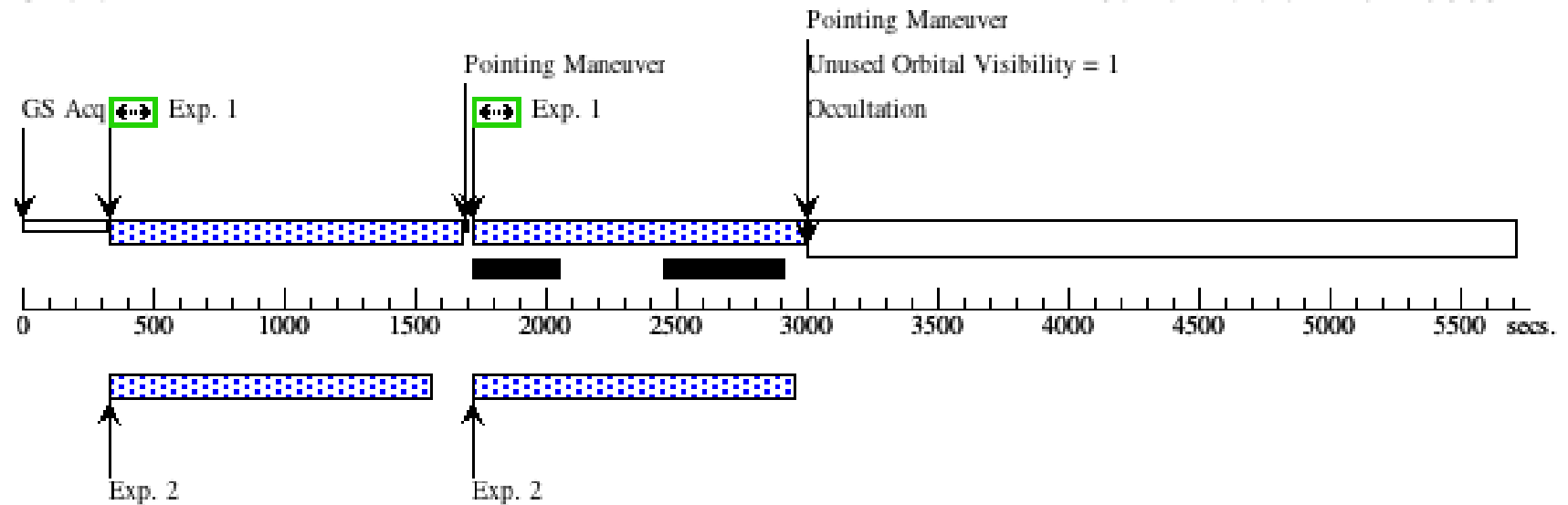
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in NGC 1448-2 (27) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1448-2 (27)	1100 Secs (2288 Secs) [==>1144.0 Secs (Pattern 1)] [==>1144.0 Secs (Pattern 2)]	[1]
	2		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=13		Pattern 4, Exps 1-2 in NGC 1448-2 (27) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1448-2 (27)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 3-4 in NGC 1448-2 (27) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1448-2 (27)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[2]
	4		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 3-4 in NGC 1448-2 (27) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1448-2 (27)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 5-6 in NGC 1448-2 (27) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1448-2 (27)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[3]
	6		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 5-6 in NGC 1448-2 (27) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1448-2 (27)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 1448-2 (27) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1448-2 (27)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[4]
	8		(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 4, Exps 7-8 in NGC 1448-2 (27) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1448-2 (27)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1448-2 (27) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

	9	(7) NGC-1448	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 9-10 in NGC 1448-2 (27) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1448-2 (27)	1100 Secs (2482 Secs) [==>1241.0 Secs (Pattern 1)] [==>1241.0 Secs (Pattern 2)]	[5]
	10	(7) NGC-1448	WFC3/IR, MULTIACCUM, IR	F160W SAMP-SEQ=SPARS 100; NSAMP=14	Pattern 4, Exps 9-10 in NGC 1448-2 (27) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1448-2 (27)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]

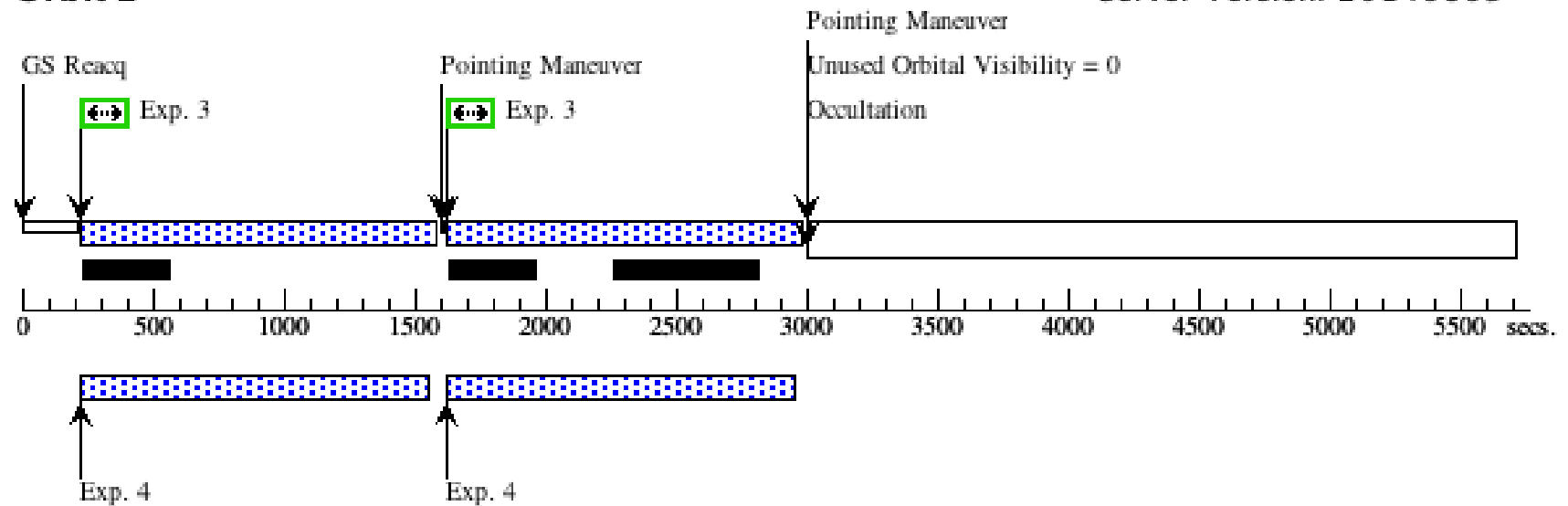
Orbit 1

Server Version: 20140605



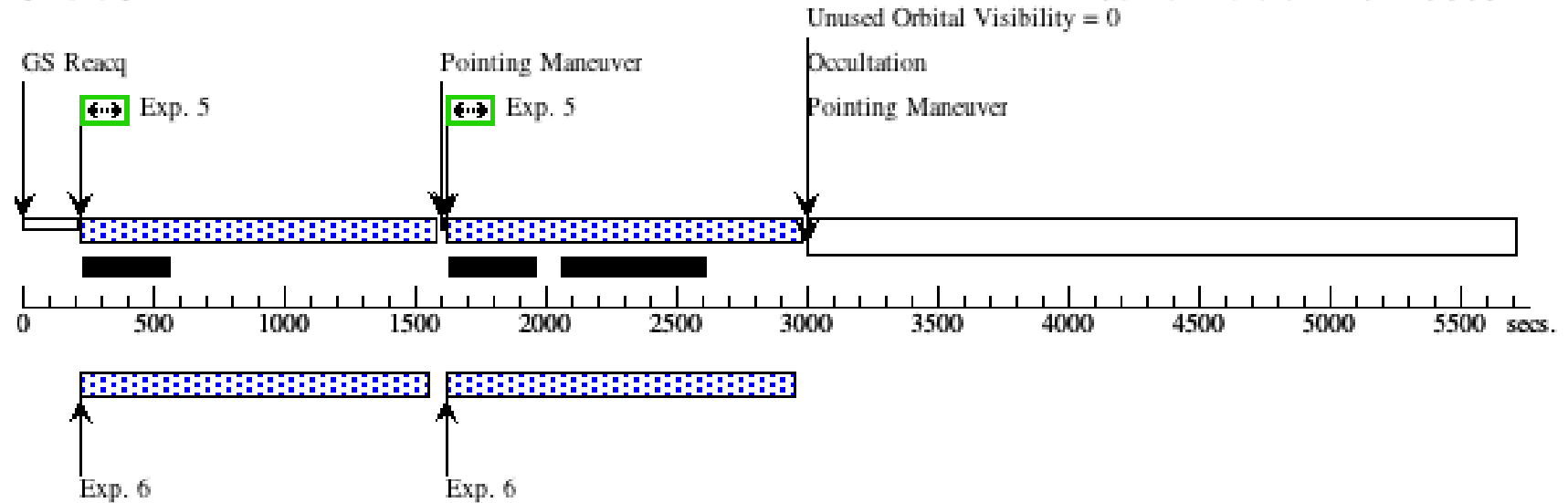
Orbit 2

Server Version: 20140605



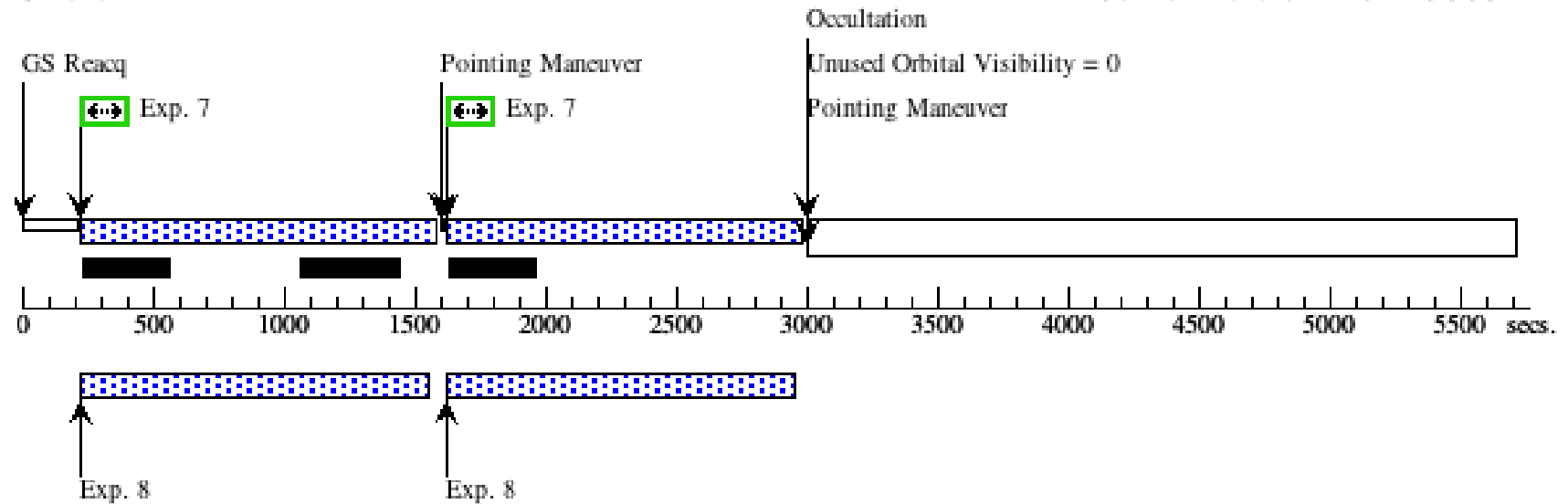
Orbit 3

Server Version: 20140605



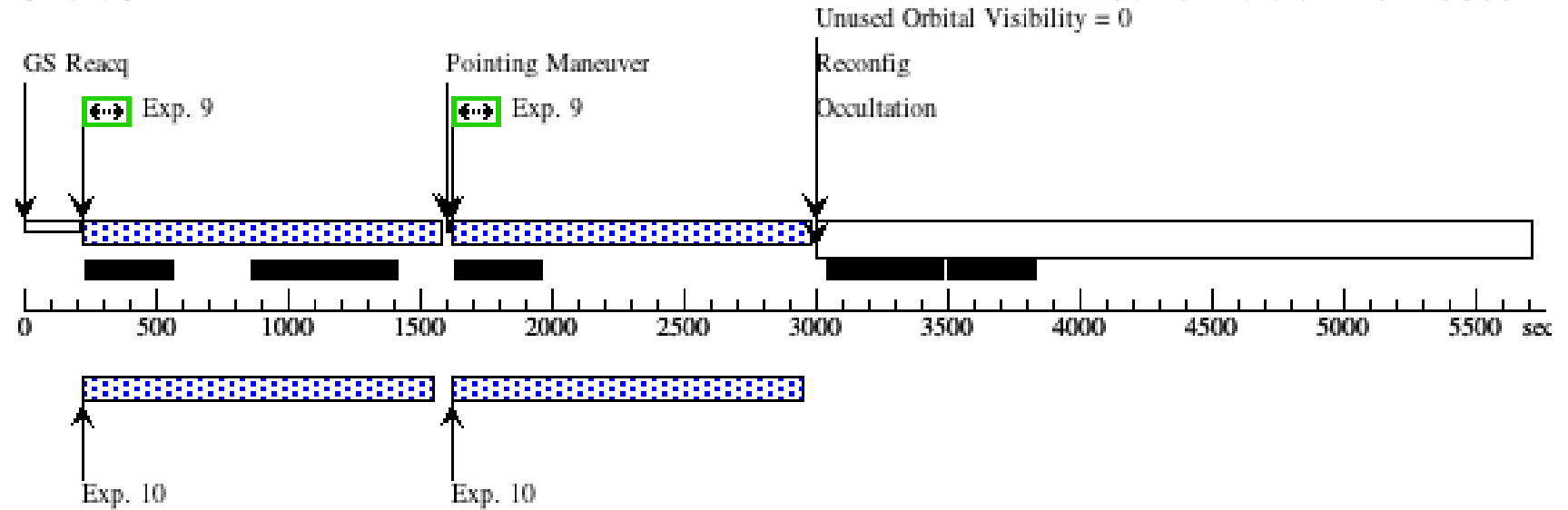
Orbit 4

Server Version: 20140605



Orbit 5

Server Version: 20140605



Proposal 13691 - NGC 1365-1 (28) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1365-1 (28) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 310D TO 314 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false	(1-2), (3-4), (5-6), (7-8), (9-10), (11-12)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(12)	NGC-1365	RA: 03 33 51.4280 (53.4642833d) Dec: -36 12 5.00 (-36.20139d) Equinox: J2000		V=9.82
Comments: This object was generated by the targetselector and retrieved from the NED database.					
Miscellaneous Reference Frame: NED					

Proposal 13691 - NGC 1365-1 (28) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

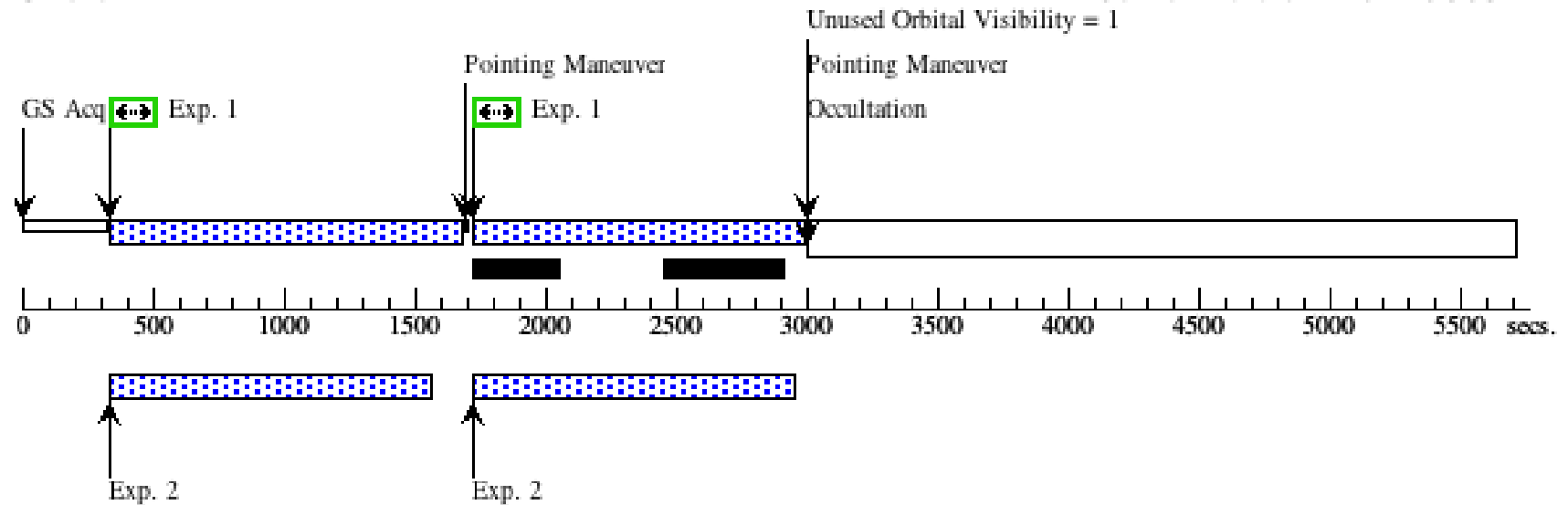
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 1-2 in NGC 1365-1 (28) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1365-1 (28)	1100 Secs (2286 Secs) [==>1143.0 Secs (Pattern 1)] [==>1143.0 Secs (Pattern 2)]	[1]
	2		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in NGC 1365-1 (28) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1365-1 (28)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 3-4 in NGC 1365-1 (28) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1365-1 (28)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[2]
	4		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in NGC 1365-1 (28) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1365-1 (28)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 5-6 in NGC 1365-1 (28) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1365-1 (28)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[3]
	6		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in NGC 1365-1 (28) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1365-1 (28)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 7-8 in NGC 1365-1 (28) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1365-1 (28)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[4]
	8		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in NGC 1365-1 (28) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1365-1 (28)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1365-1 (28) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

9	(12) NGC-1365	ACS/WFC, ACCUM, WFC	F606W		Pattern 4, Exps 9-10 in NGC 1365-1 (28) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1365-1 (28)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[5]
10	(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100	Pattern 4, Exps 9-10 in NGC 1365-1 (28) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1365-1 (28)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]
11	(12) NGC-1365	ACS/WFC, ACCUM, WFC	F606W		Pattern 4, Exps 11-12 in NGC 1365-1 (28) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 1365-1 (28)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[6]
12	(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100	Pattern 4, Exps 11-12 in NGC 1365-1 (28) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 1365-1 (28)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[6]

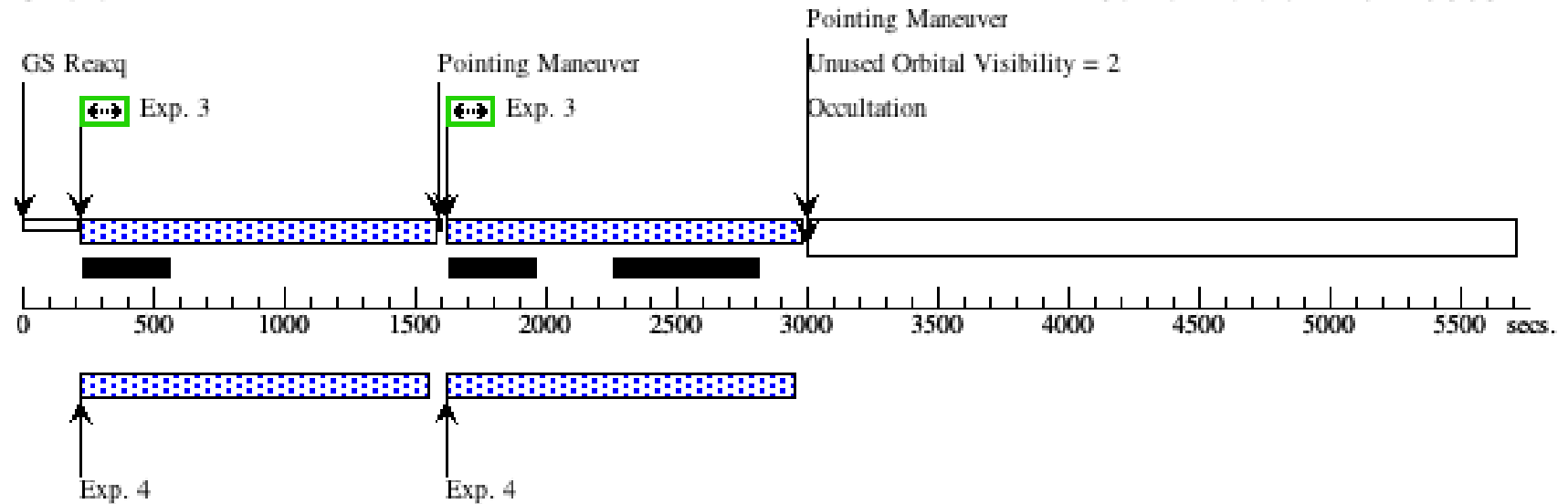
Orbit 1

Server Version: 20140605



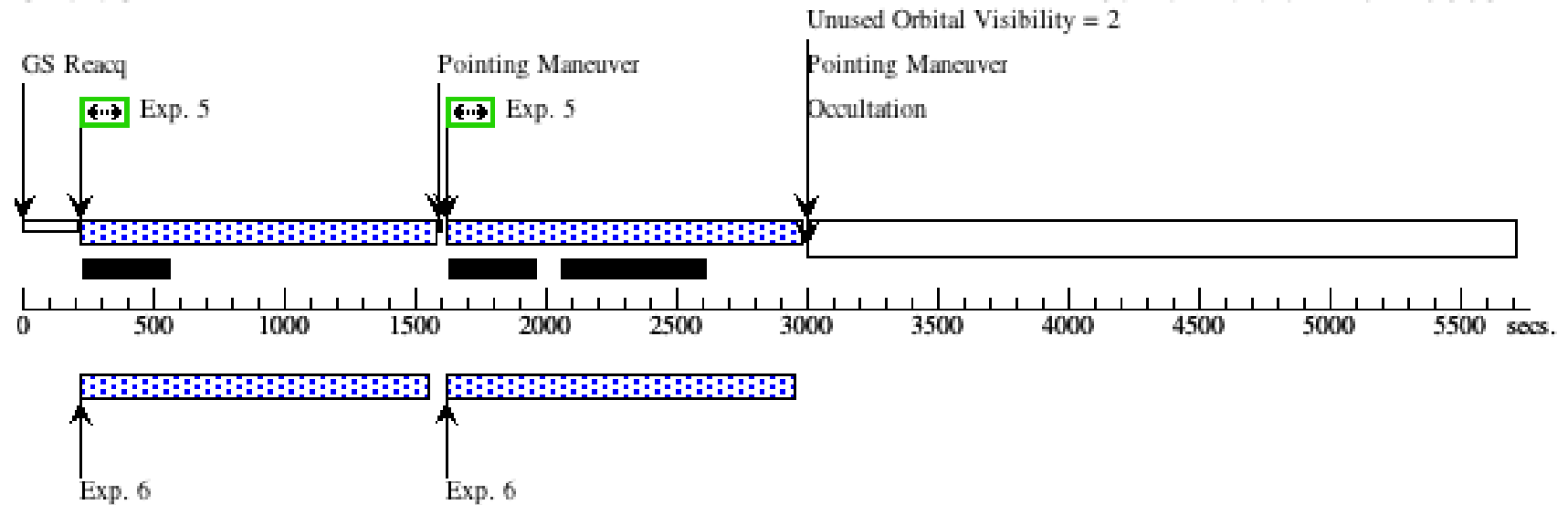
Orbit 2

Server Version: 20140605



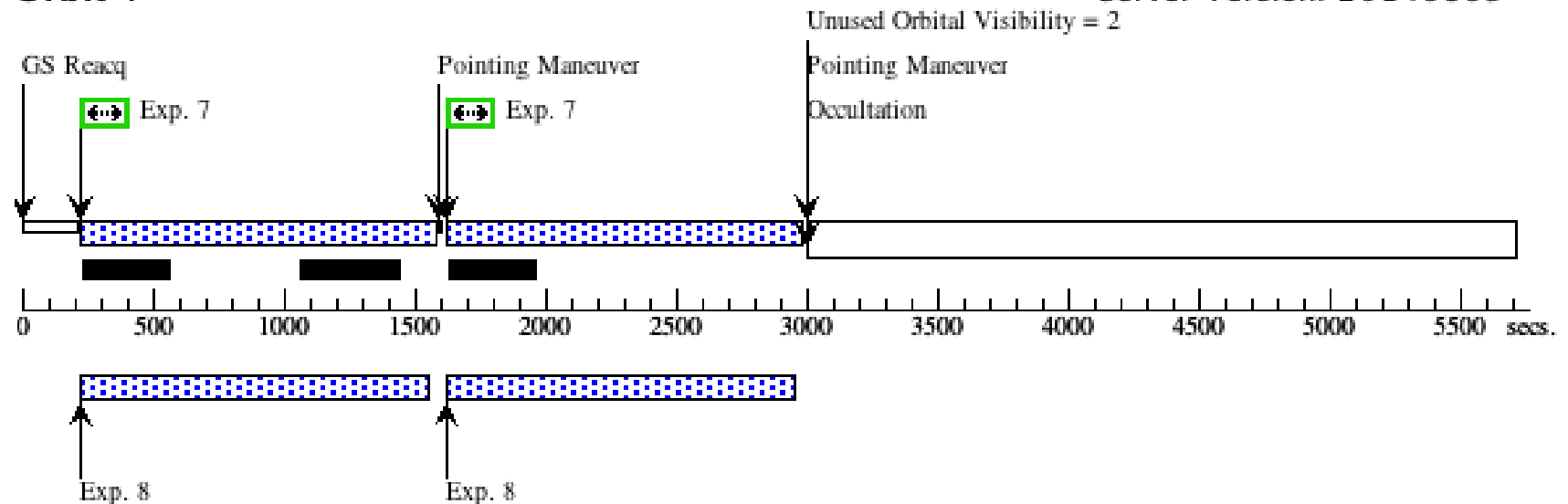
Orbit 3

Server Version: 20140605



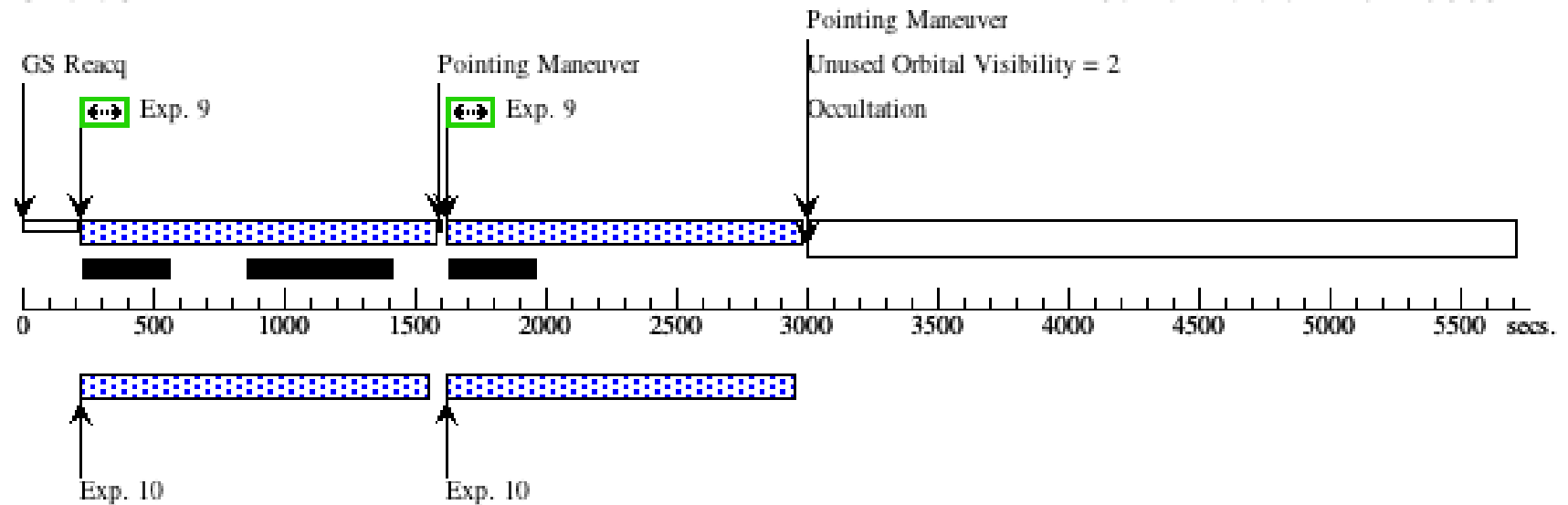
Orbit 4

Server Version: 20140605



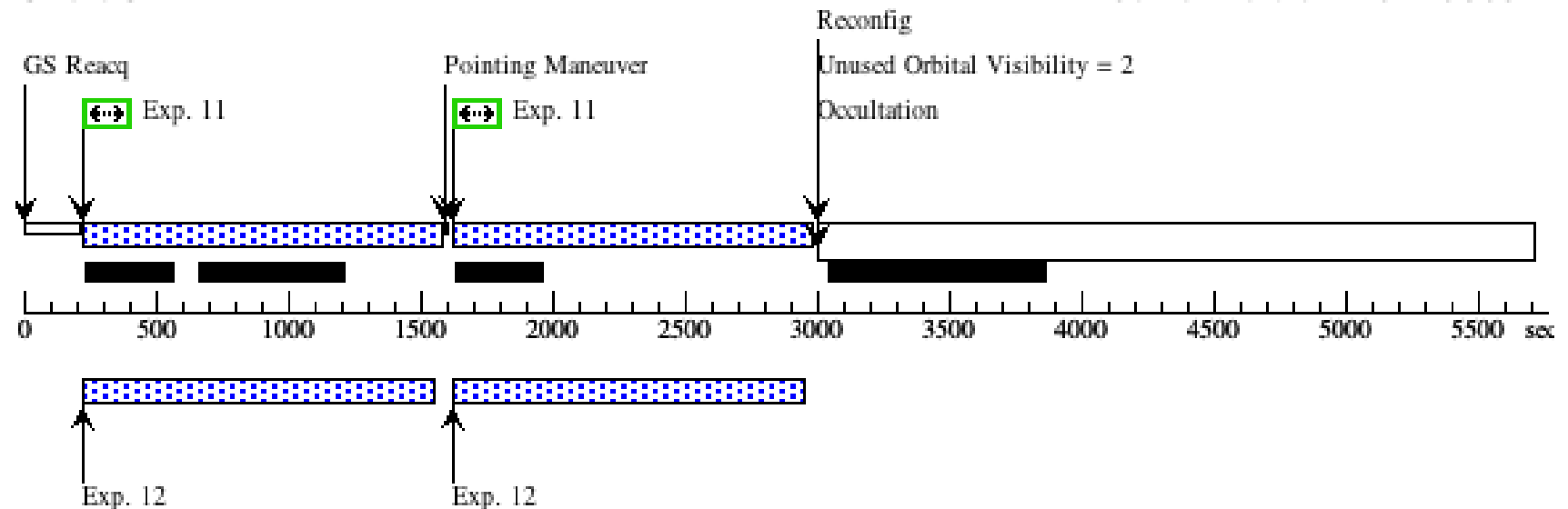
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - NGC 1365-2 (29) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1365-2 (29) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 310D TO 314 D; AFTER 28 BY 1 D TO 10 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8), (9-10)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(12)	NGC-1365	RA: 03 33 51.4280 (53.4642833d) Dec: -36 12 5.00 (-36.20139d) Equinox: J2000		V=9.82
Comments: This object was generated by the targetselector and retrieved from the NED database.					
Miscellaneous Reference Frame: NED					

Proposal 13691 - NGC 1365-2 (29) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

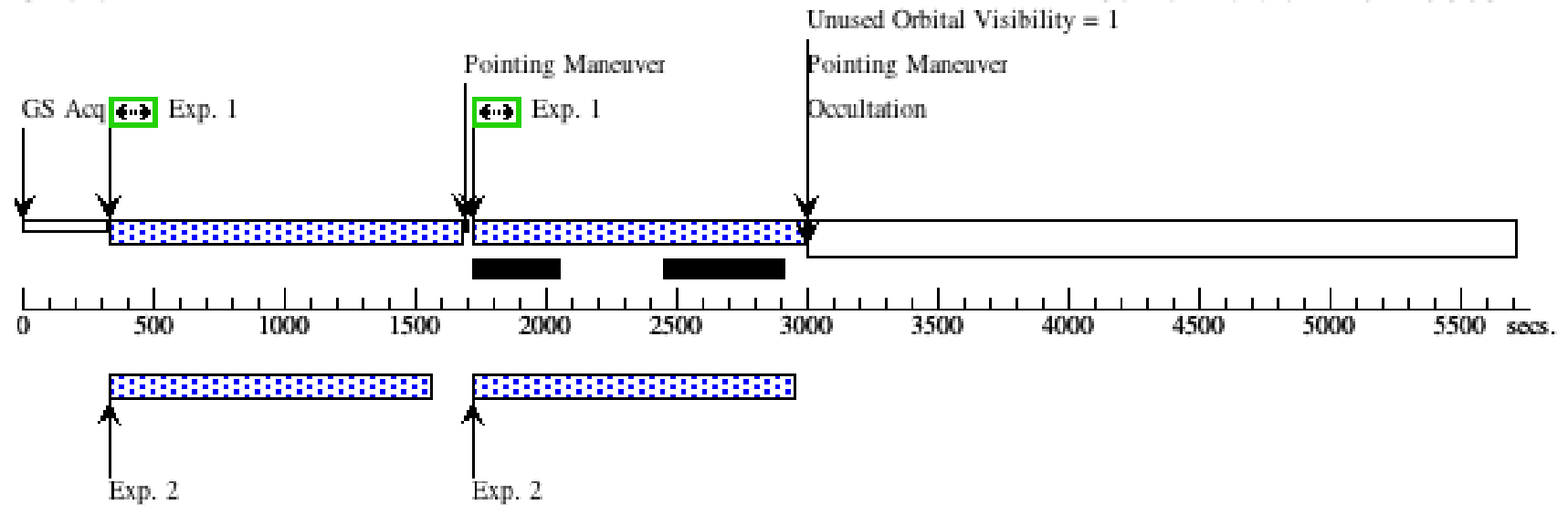
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in NGC 1365-2 (29) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1365-2 (29)	1100 Secs (2286 Secs) [==>1143.0 Secs (Pattern 1)] [==>1143.0 Secs (Pattern 2)]	[1]
	2		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in NGC 1365-2 (29) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1365-2 (29)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 3-4 in NGC 1365-2 (29) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1365-2 (29)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[2]
	4		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in NGC 1365-2 (29) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1365-2 (29)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 5-6 in NGC 1365-2 (29) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1365-2 (29)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[3]
	6		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in NGC 1365-2 (29) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1365-2 (29)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 1365-2 (29) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1365-2 (29)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[4]
	8		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in NGC 1365-2 (29) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1365-2 (29)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1365-2 (29) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

	9	(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 9-10 in NGC 1365-2 (29) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1365-2 (29)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[5]
	10	(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W NSAMP=14; SAMP-SEQ=SPAR S100	Pattern 4, Exps 9-10 in NGC 1365-2 (29) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1365-2 (29)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]

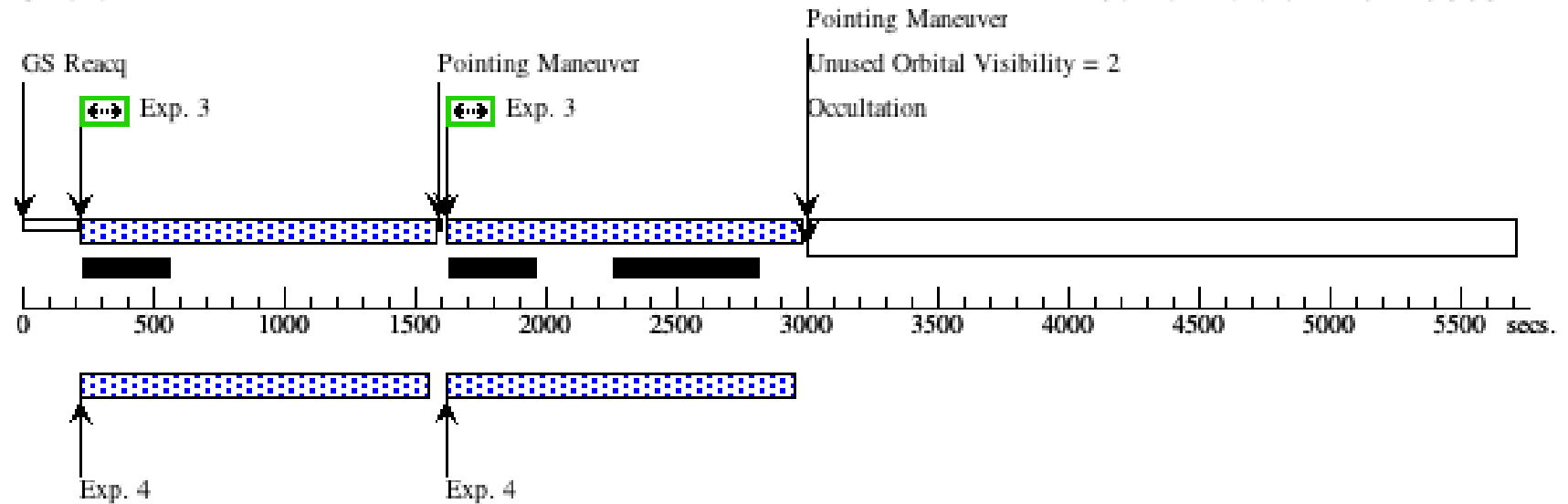
Orbit 1

Server Version: 20140605



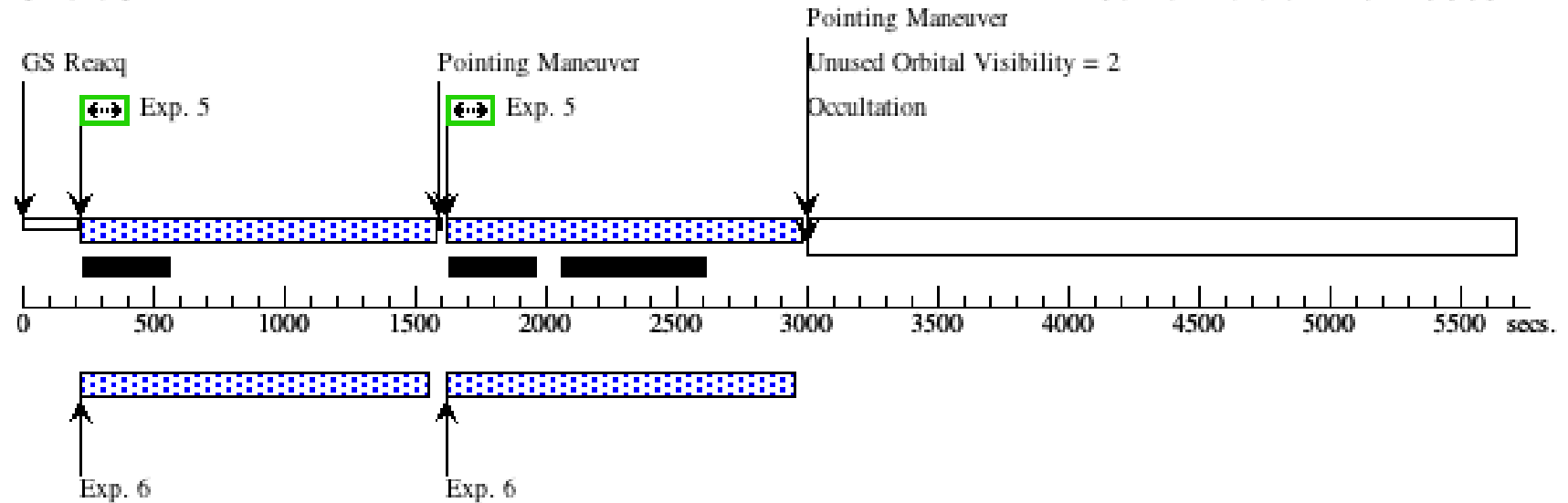
Orbit 2

Server Version: 20140605



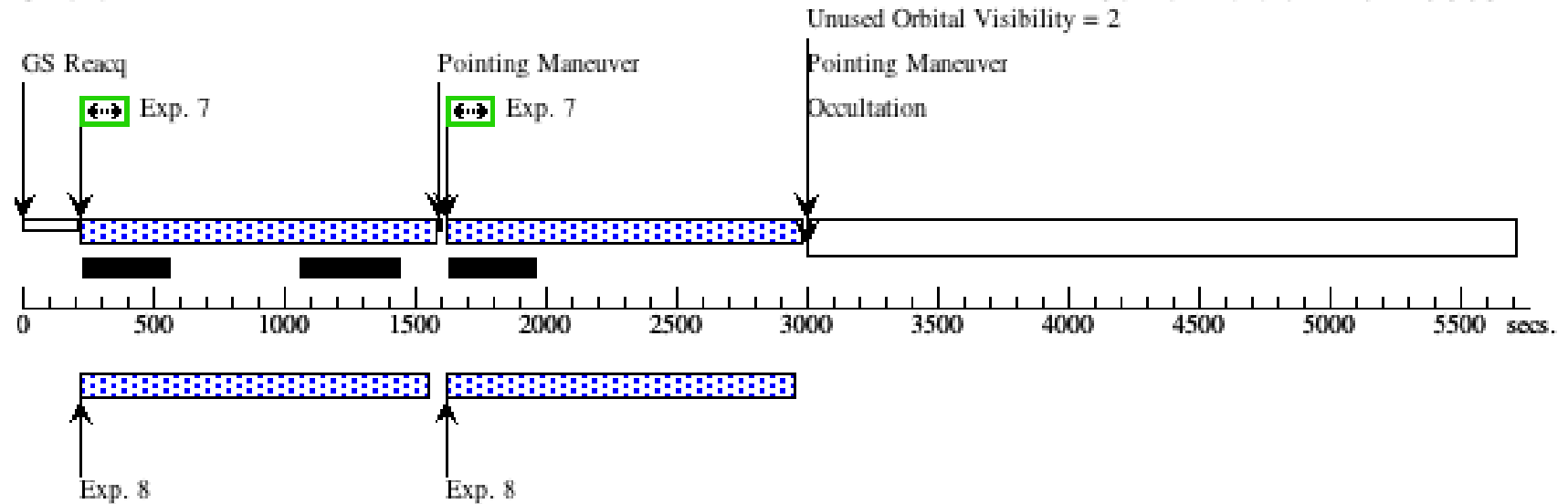
Orbit 3

Server Version: 20140605



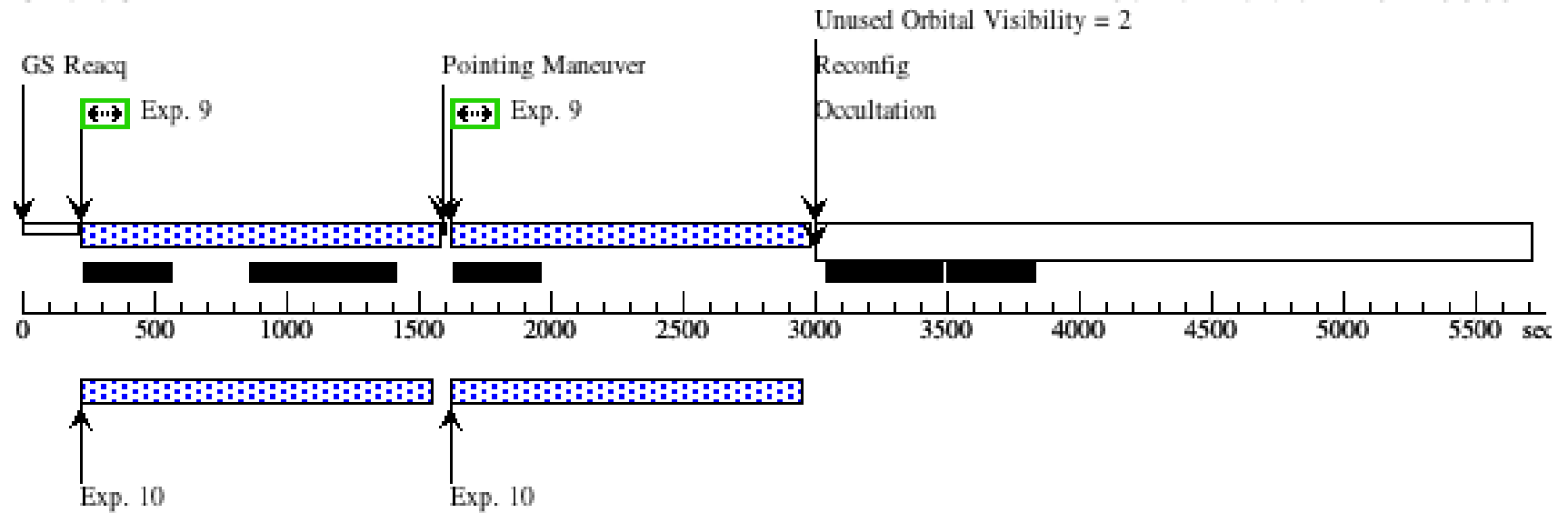
Orbit 4

Server Version: 20140605



Orbit 5

Server Version: 20140605



Proposal 13691 - NGC 1365-3 (30) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1365-3 (30) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 310D TO 314 D; AFTER 28 BY 1 D TO 10 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8), (9-10)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(12)	NGC-1365	RA: 03 33 51.4280 (53.4642833d) Dec: -36 12 5.00 (-36.20139d) Equinox: J2000		V=9.82
Comments: This object was generated by the targetselector and retrieved from the NED database.					
Miscellaneous Reference Frame: NED					

Proposal 13691 - NGC 1365-3 (30) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

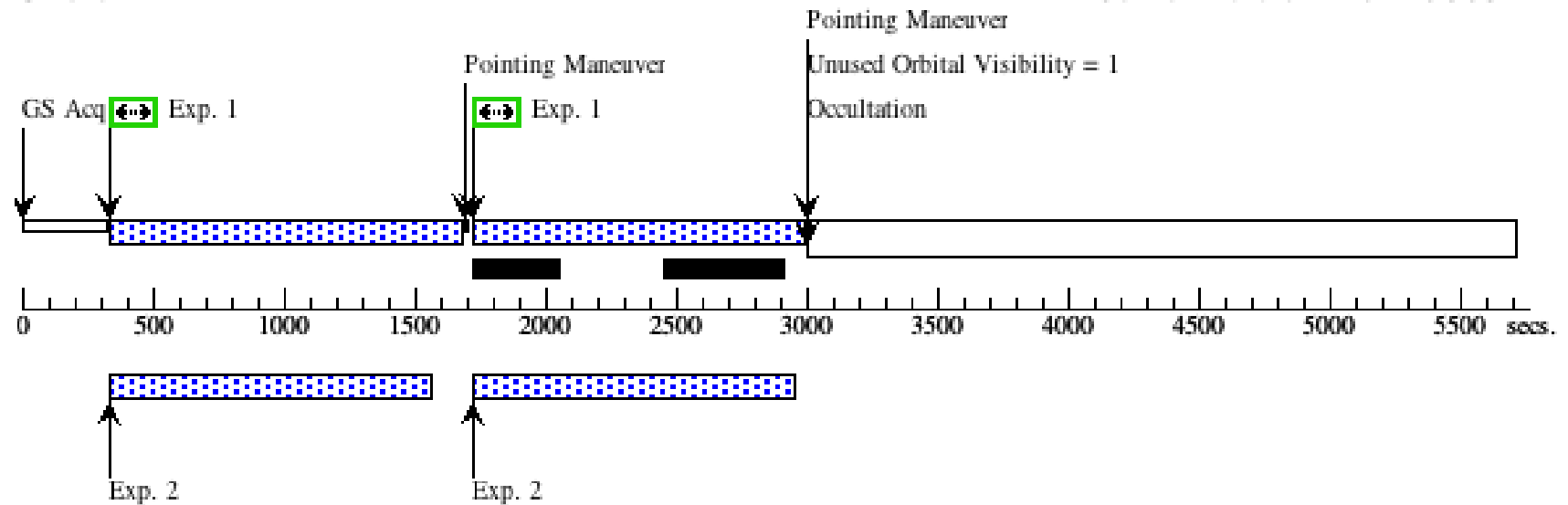
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in NGC 1365-3 (30) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1365-3 (30)	1100 Secs (2286 Secs) [==>1143.0 Secs (Pattern 1)] [==>1143.0 Secs (Pattern 2)]	[1]
	2		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in NGC 1365-3 (30) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1365-3 (30)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 3-4 in NGC 1365-3 (30) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1365-3 (30)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[2]
	4		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in NGC 1365-3 (30) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1365-3 (30)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 5-6 in NGC 1365-3 (30) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1365-3 (30)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[3]
	6		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in NGC 1365-3 (30) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1365-3 (30)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 1365-3 (30) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1365-3 (30)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[4]
	8		(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in NGC 1365-3 (30) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1365-3 (30)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1365-3 (30) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

9	(12) NGC-1365	ACS/WFC, ACCUM, WFC	F814W		Pattern 4, Exps 9-10 in NGC 1365-3 (30) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1365-3 (30)	1100 Secs (2478 Secs)	[5]
						[==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	
10	(12) NGC-1365	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100	Pattern 4, Exps 9-10 in NGC 1365-3 (30) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1365-3 (30)	1302.93649 Secs (2605.873 Secs)	[5]
						[==>(Pattern 1)] [==>(Pattern 2)]	

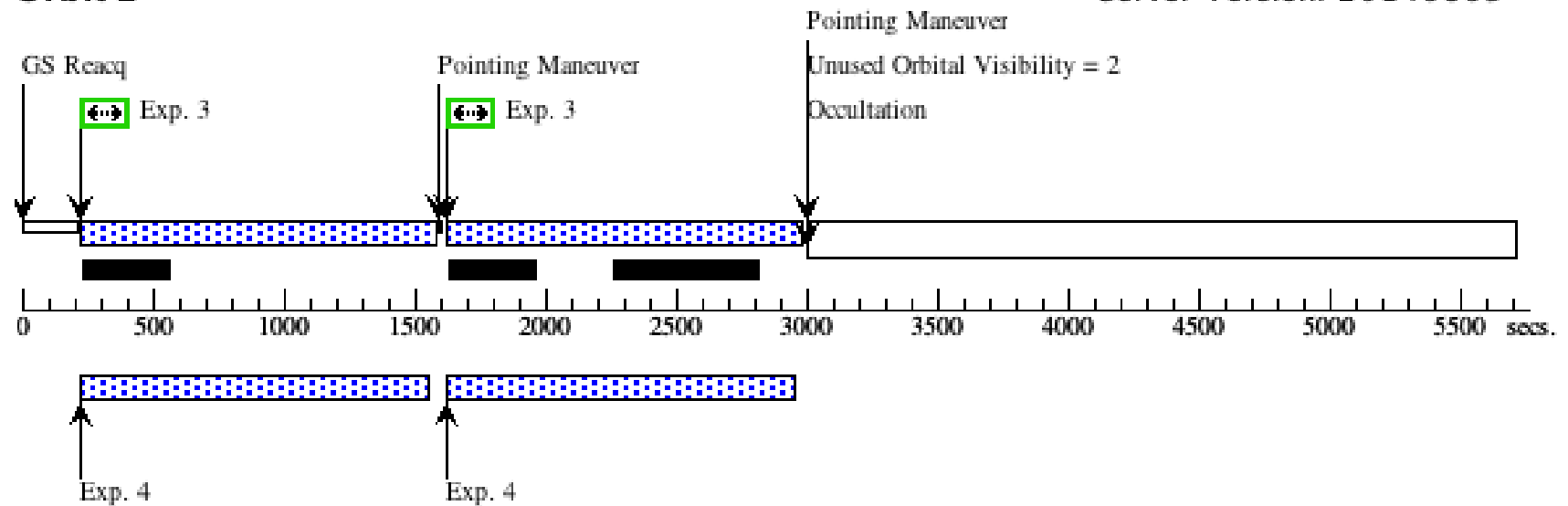
Orbit 1

Server Version: 20140605



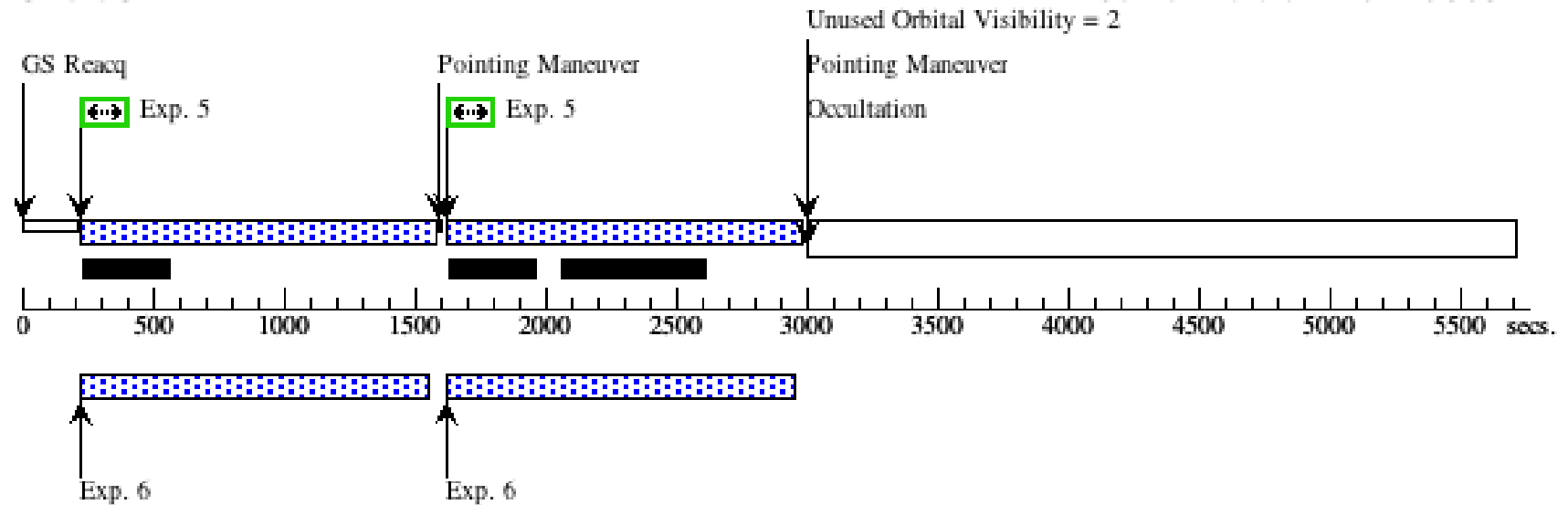
Orbit 2

Server Version: 20140605



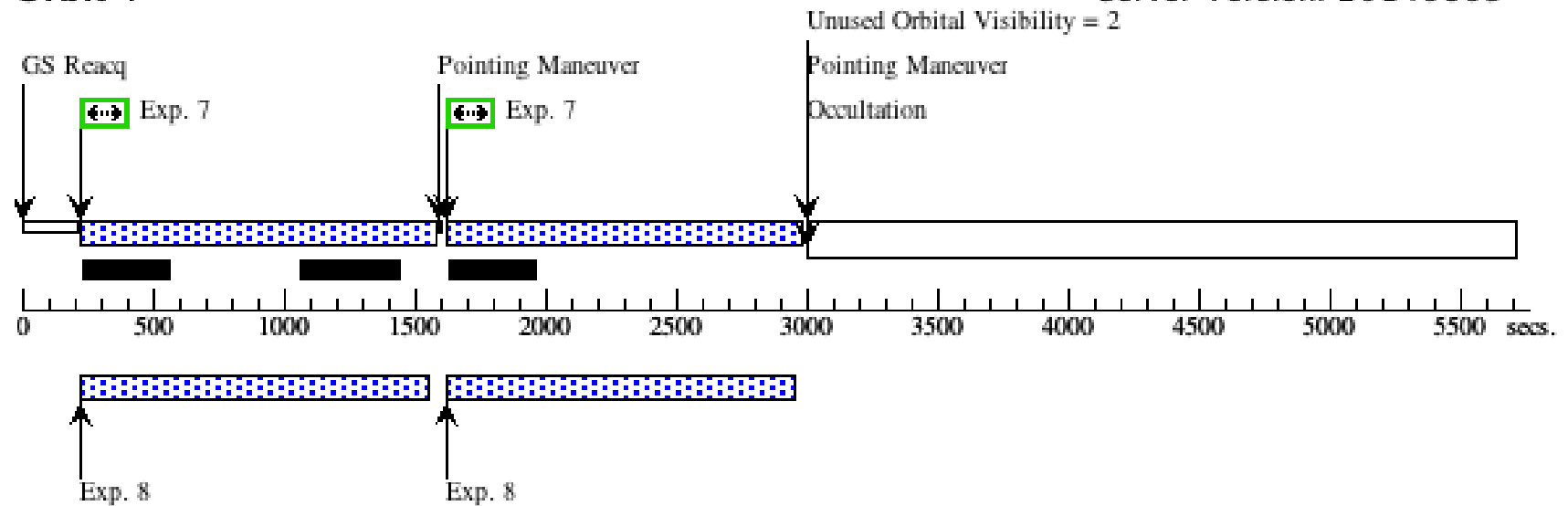
Orbit 3

Server Version: 20140605



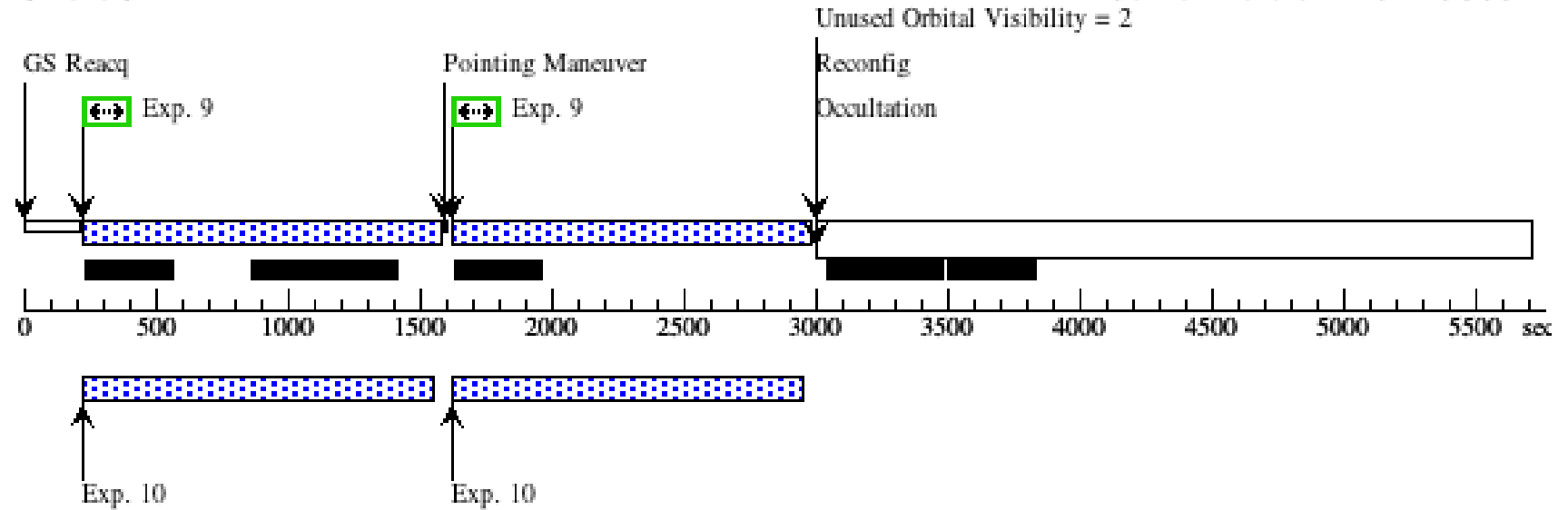
Orbit 4

Server Version: 20140605



Orbit 5

Server Version: 20140605



Proposal 13691 - NGC 1316-1 (37) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1316-1 (37) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 228D TO 232 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6), (7-8), (9-10), (11-12)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	NGC-1316	RA: 03 23 12.5220 (50.8021750d) Dec: -37 19 21.61 (-37.32267d) Equinox: J2000		V=10.05
Comments: This object was generated by the targetselector and retrieved from the NED database.					

Proposal 13691 - NGC 1316-1 (37) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

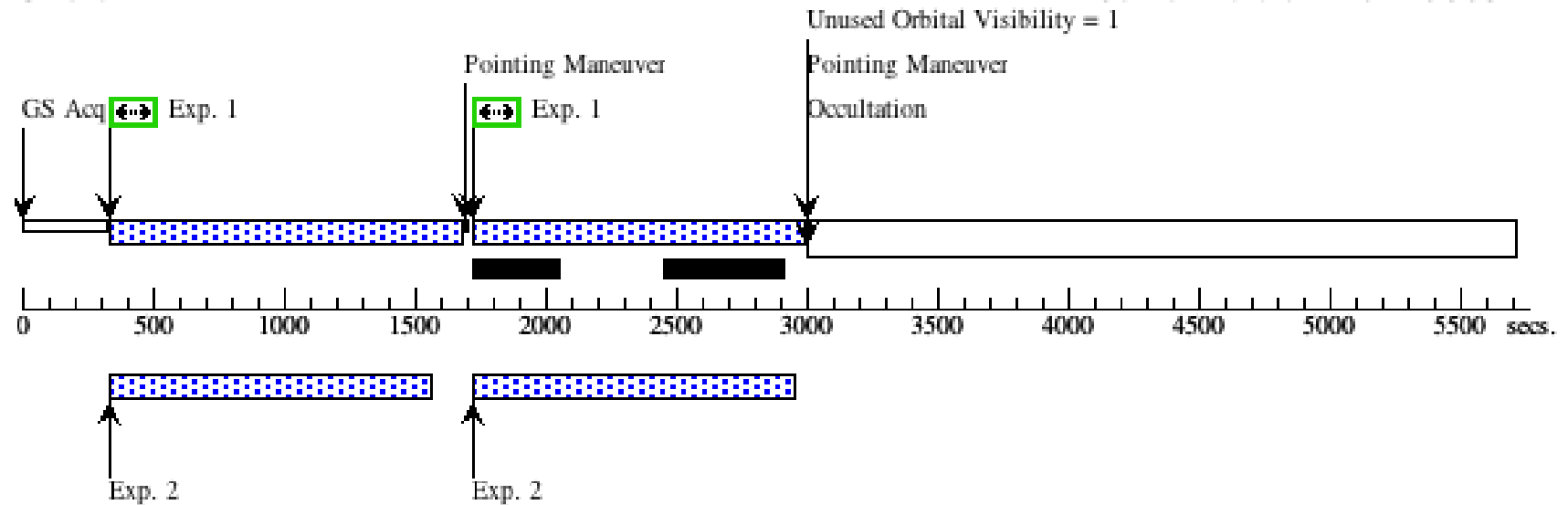
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 1-2 in NGC 1316-1 (37) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1316-1 (37)	1100 Secs (2286 Secs) [==>1143.0 Secs (Pattern 1)] [==>1143.0 Secs (Pattern 2)]	[1]
	2		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in NGC 1316-1 (37) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1316-1 (37)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 3-4 in NGC 1316-1 (37) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1316-1 (37)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[2]
	4		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in NGC 1316-1 (37) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1316-1 (37)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 5-6 in NGC 1316-1 (37) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1316-1 (37)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[3]
	6		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in NGC 1316-1 (37) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1316-1 (37)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F606W			Pattern 4, Exps 7-8 in NGC 1316-1 (37) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1316-1 (37)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[4]
	8		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in NGC 1316-1 (37) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1316-1 (37)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1316-1 (37) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

9	(4) NGC-1316	ACS/WFC, ACCUM, WFC	F606W	Pattern 4, Exps 9-10 in NGC 1316-1 (37) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1316-1 (37)	1100 Secs (2478 Secs)	[5]
					[==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	
10	(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100 Pattern 4, Exps 9-10 in NGC 1316-1 (37) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1316-1 (37)	1302.93649 Secs (2605.873 Secs)	[5]
					[==>(Pattern 1)] [==>(Pattern 2)]	
11	(4) NGC-1316	ACS/WFC, ACCUM, WFC	F606W	Pattern 4, Exps 11-12 in NGC 1316-1 (37) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 1316-1 (37)	1100 Secs (2478 Secs)	[6]
					[==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	
12	(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=SPAR S100 Pattern 4, Exps 11-12 in NGC 1316-1 (37) (4) Prime + Parallel Group 11-12 in Pattern 4, Exps 11-12 in NGC 1316-1 (37)	1302.93649 Secs (2605.873 Secs)	[6]
					[==>(Pattern 1)] [==>(Pattern 2)]	

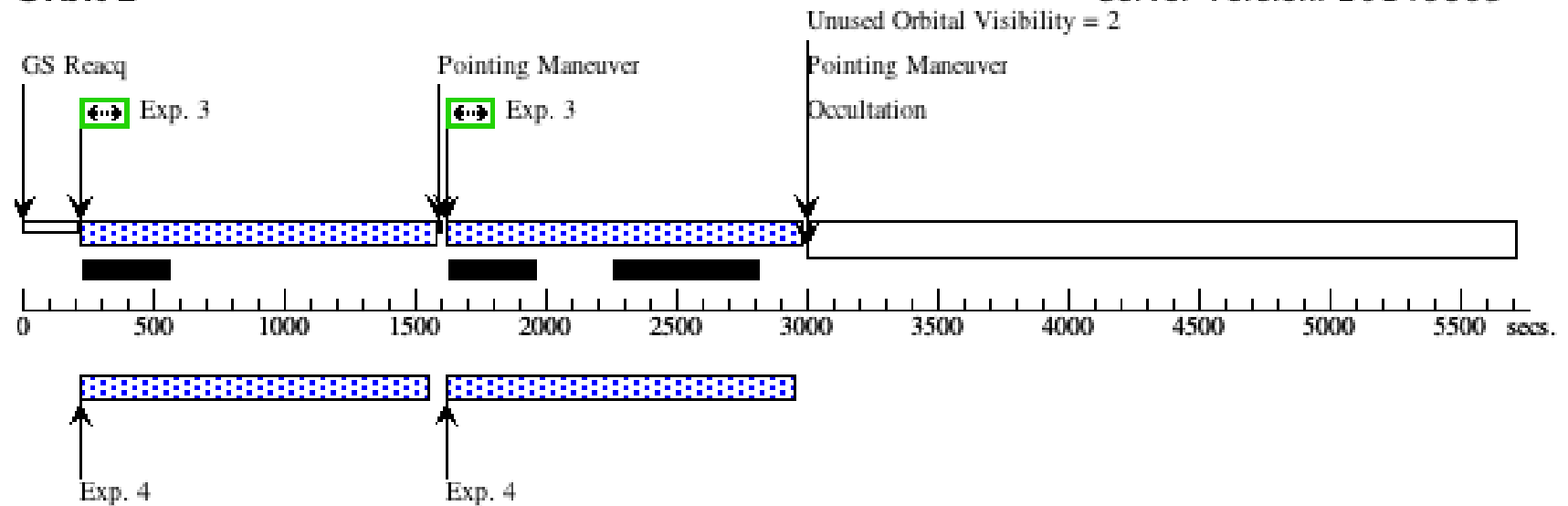
Orbit 1

Server Version: 20140605



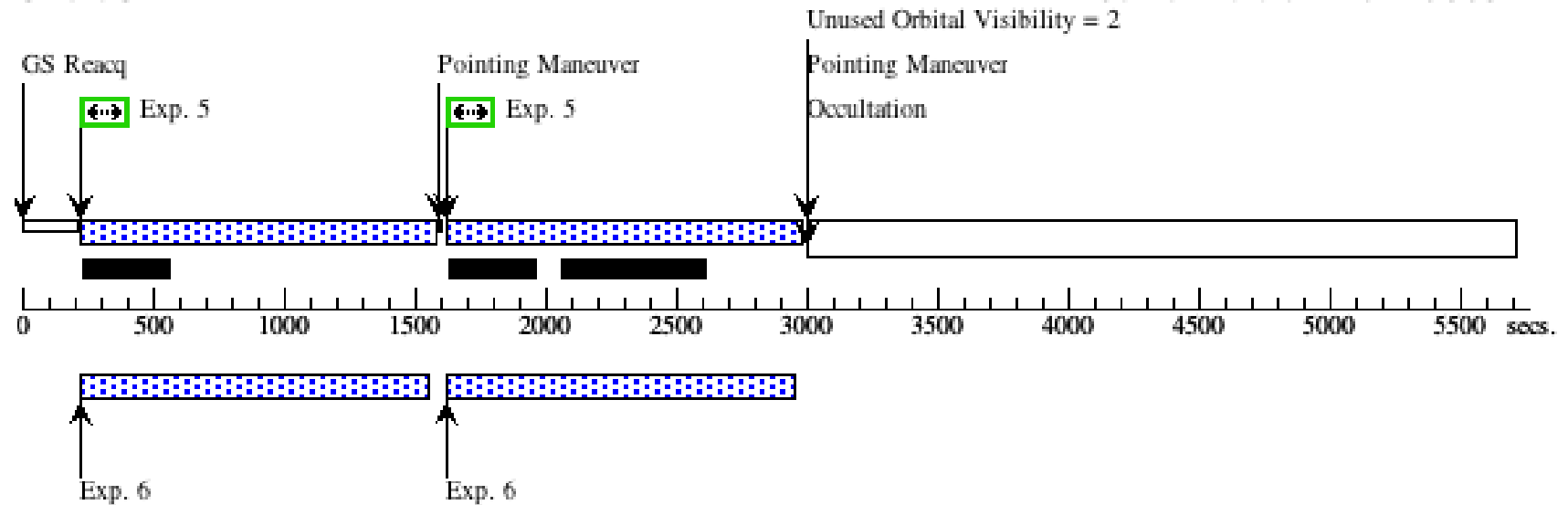
Orbit 2

Server Version: 20140605



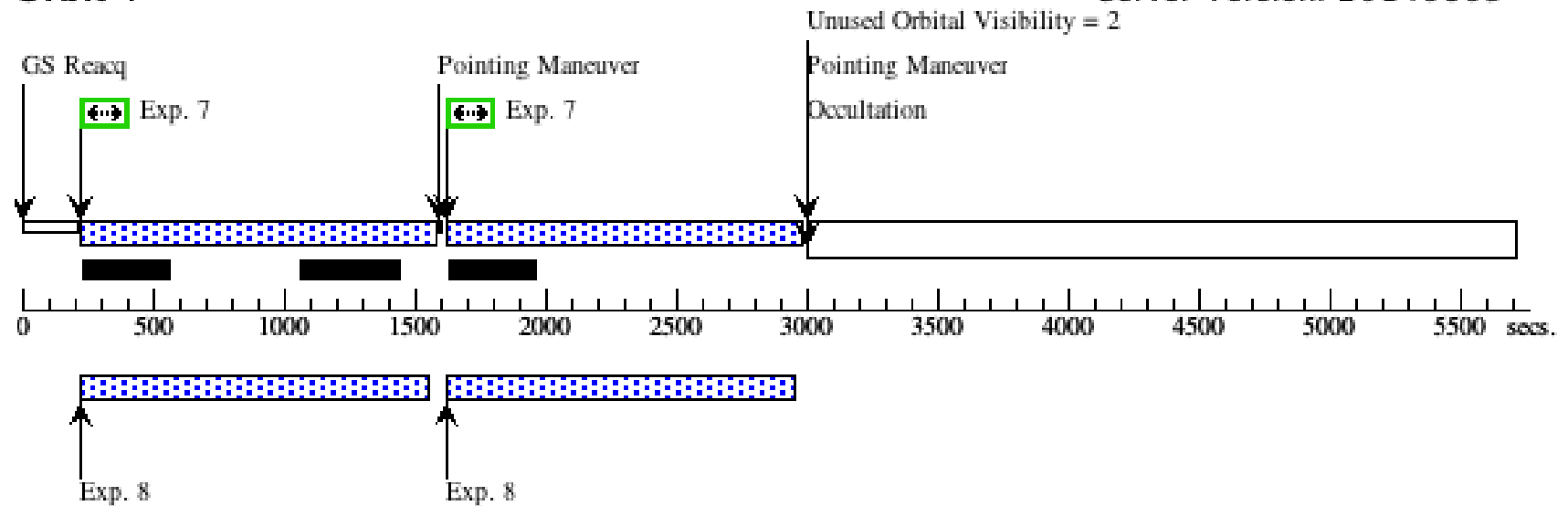
Orbit 3

Server Version: 20140605



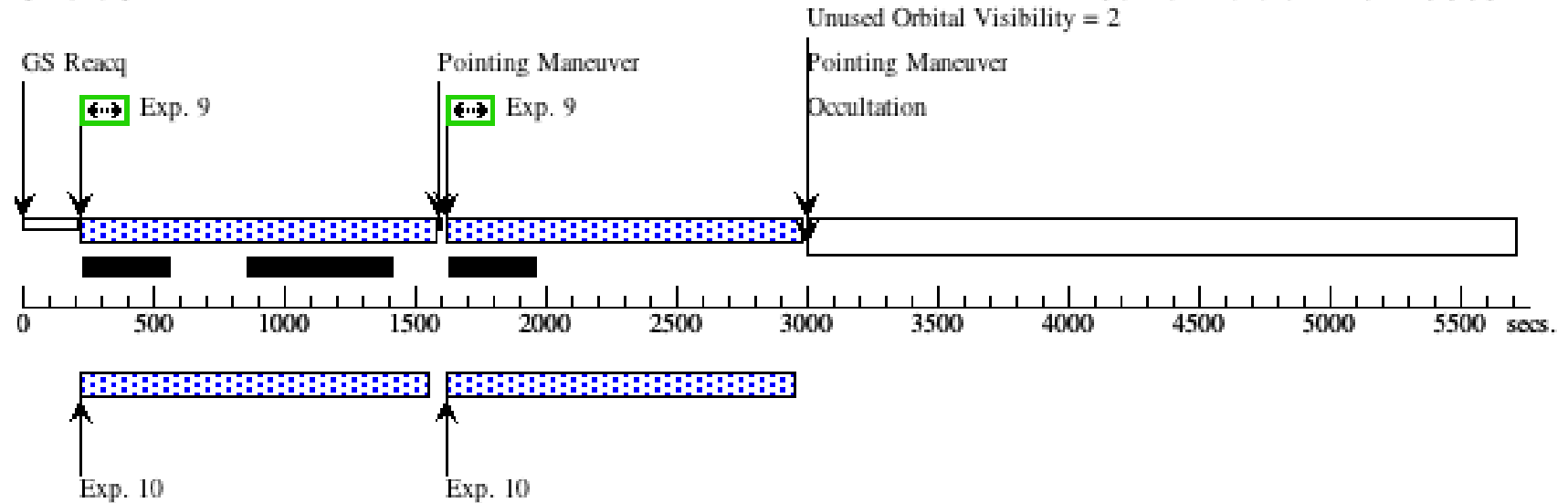
Orbit 4

Server Version: 20140605



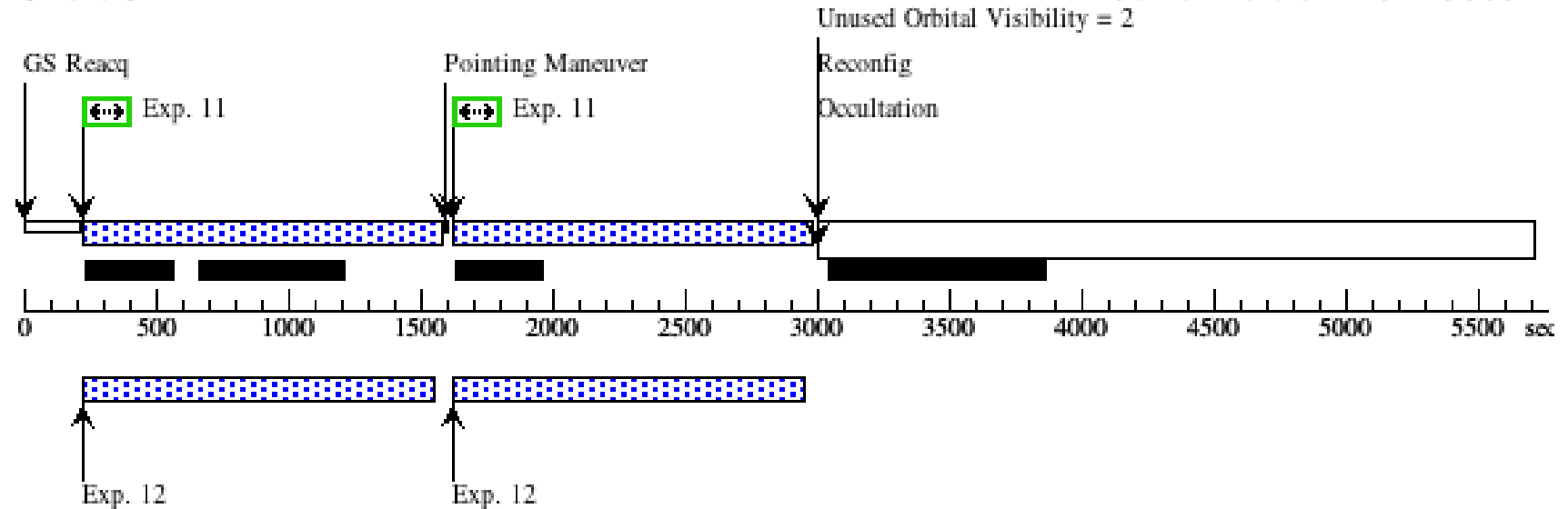
Orbit 5

Server Version: 20140605



Orbit 6

Server Version: 20140605



Proposal 13691 - NGC 1316-2 (32) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1316-2 (32) Thu Jul 24 00:09:13 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SCHED 100%; ORIENT 228D TO 232 D; AFTER 37 BY 1 D TO 10 D				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8), (9-10)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	NGC-1316	RA: 03 23 12.5220 (50.8021750d) Dec: -37 19 21.61 (-37.32267d) Equinox: J2000		V=10.05
Miscellaneous Reference Frame: NED Comments: This object was generated by the targetselector and retrieved from the NED database.					

Proposal 13691 - NGC 1316-2 (32) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

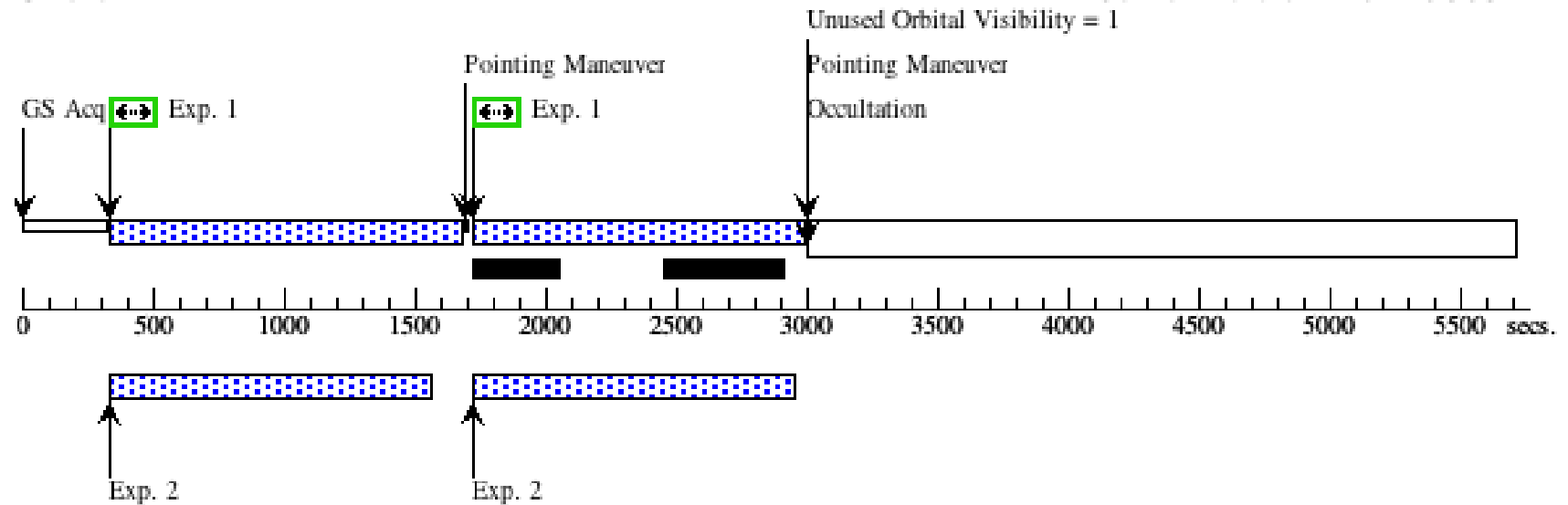
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in NGC 1316-2 (32) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1316-2 (32)	1100 Secs (2286 Secs) [==>1143.0 Secs (Pattern 1)] [==>1143.0 Secs (Pattern 2)]	[1]
	2		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in NGC 1316-2 (32) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1316-2 (32)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 3-4 in NGC 1316-2 (32) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1316-2 (32)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[2]
	4		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in NGC 1316-2 (32) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1316-2 (32)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 5-6 in NGC 1316-2 (32) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1316-2 (32)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[3]
	6		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in NGC 1316-2 (32) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1316-2 (32)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 1316-2 (32) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1316-2 (32)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[4]
	8		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in NGC 1316-2 (32) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1316-2 (32)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1316-2 (32) - CHP-II: The Carnegie Hubble Program to Measure H_0 to 3% Using Population II

	9	(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 9-10 in NGC 1316-2 (32) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1316-2 (32)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[5]
	10	(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W NSAMP=14; SAMP-SEQ=SPAR S100	Pattern 4, Exps 9-10 in NGC 1316-2 (32) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1316-2 (32)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[5]

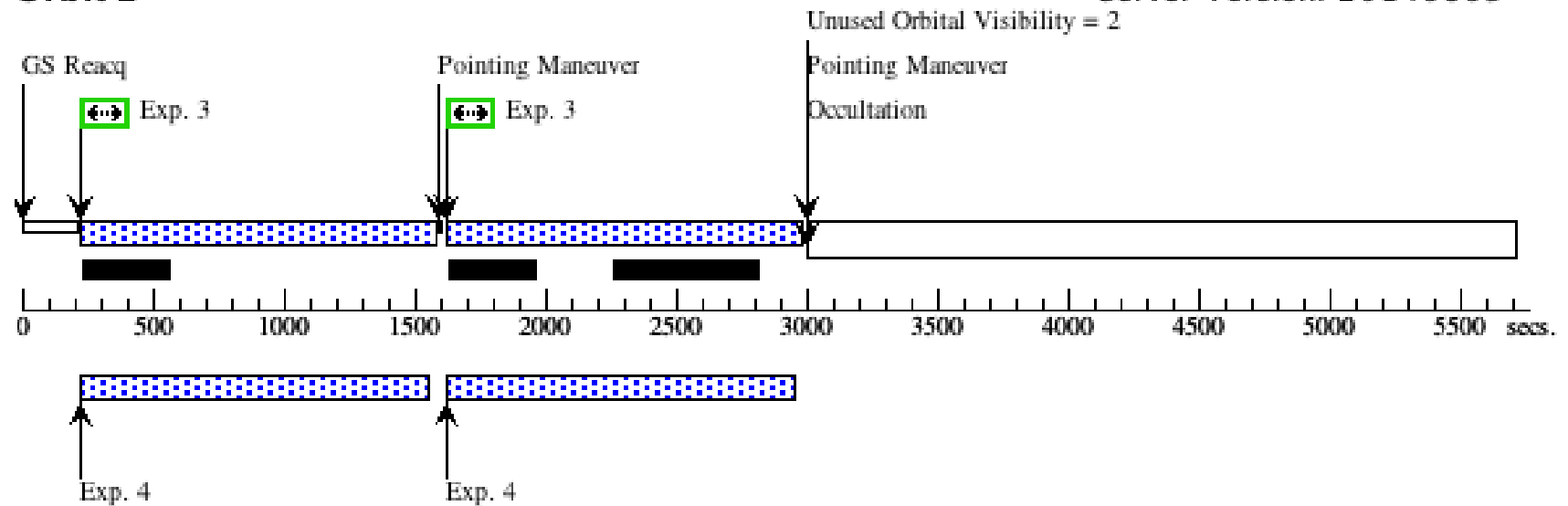
Orbit 1

Server Version: 20140605



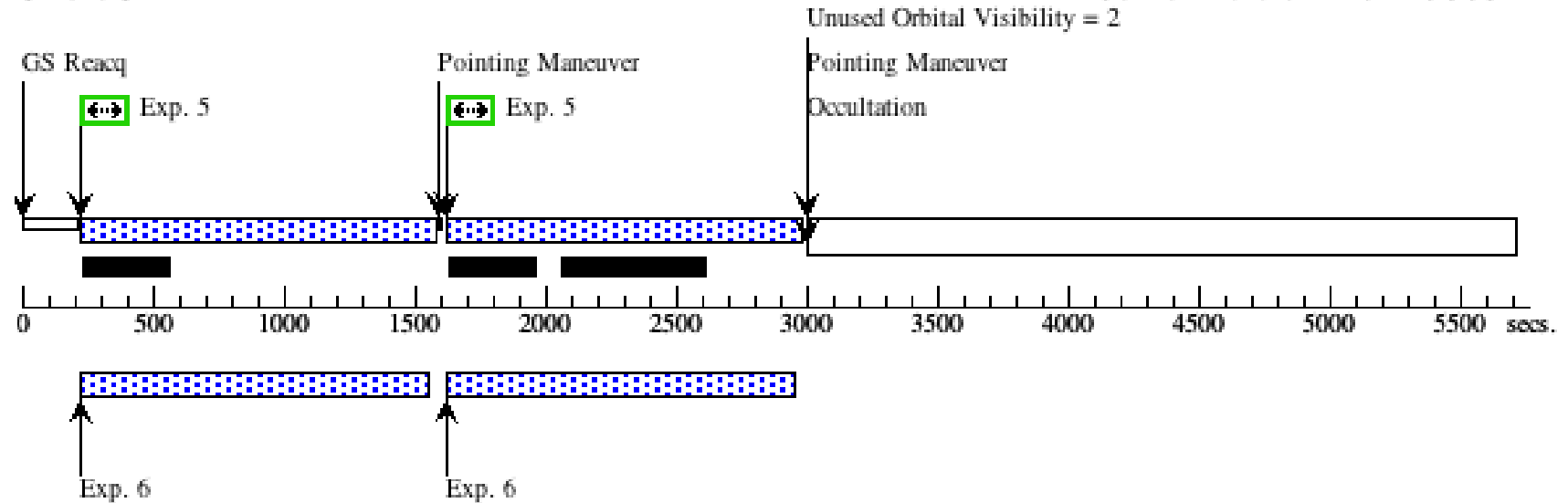
Orbit 2

Server Version: 20140605



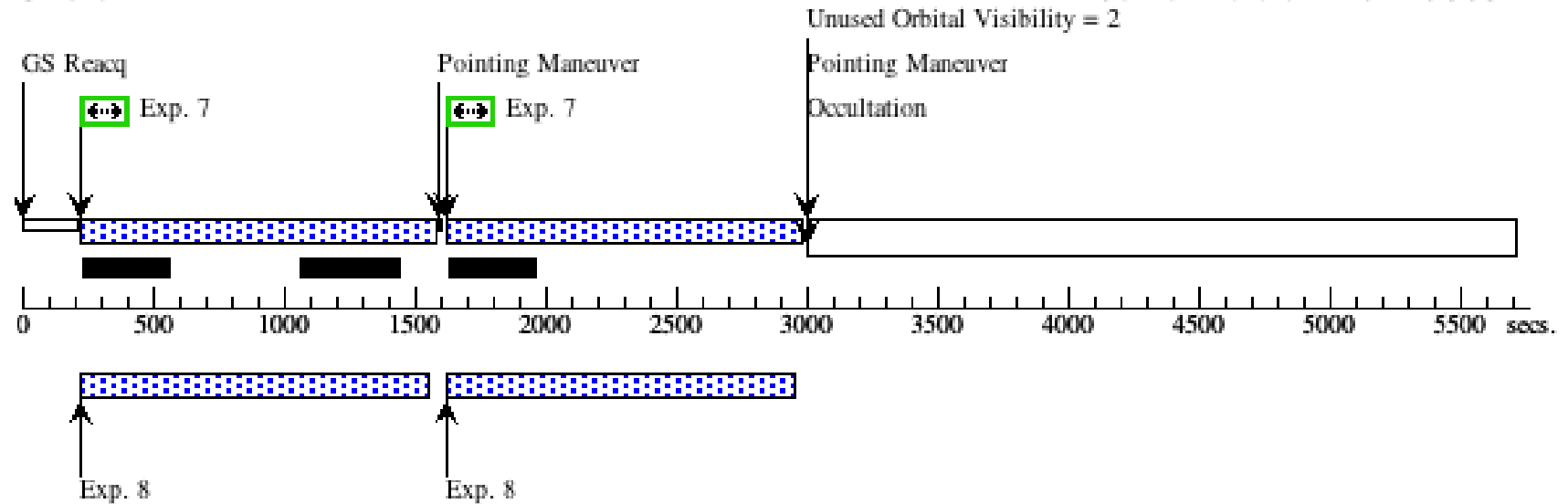
Orbit 3

Server Version: 20140605



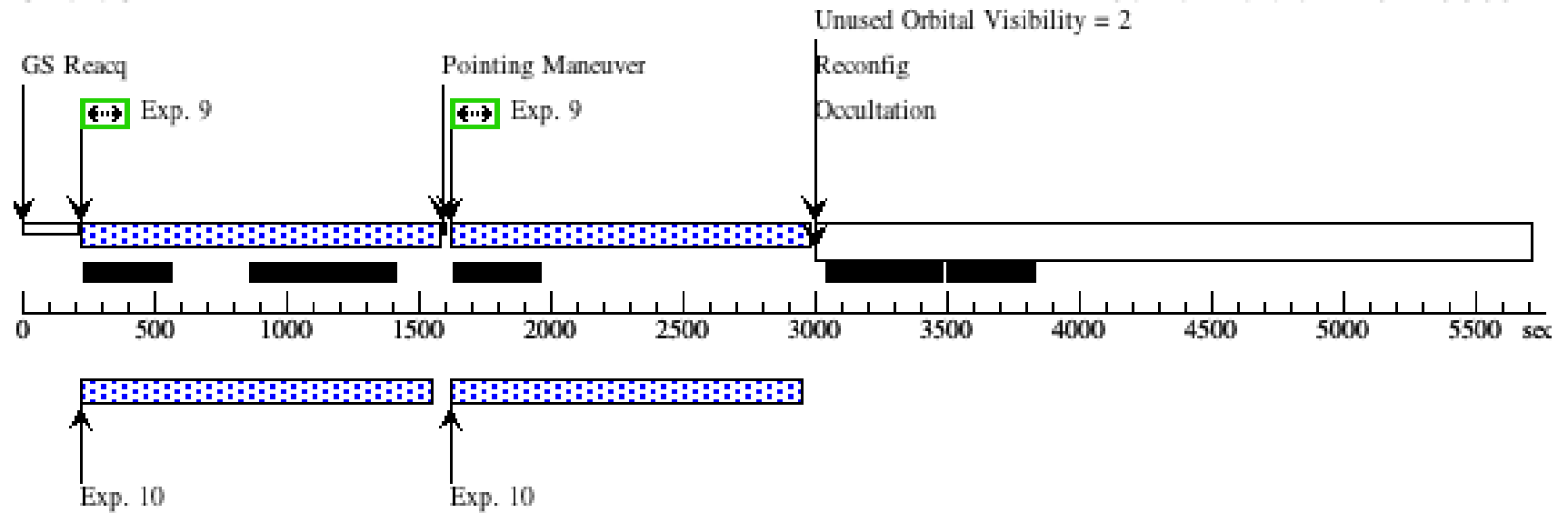
Orbit 4

Server Version: 20140605



Orbit 5

Server Version: 20140605



Proposal 13691 - NGC 1316-3 (36) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, NGC 1316-3 (36)				Thu Jul 24 00:09:14 GMT 2014
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/IR, ACS/WFC				
	Special Requirements: SCHED 100%; ORIENT 228D TO 232 D; AFTER 37 BY 1 D TO 10 D				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(4)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6), (7-8), (9-10)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	NGC-1316	RA: 03 23 12.5220 (50.8021750d) Dec: -37 19 21.61 (-37.32267d) Equinox: J2000		V=10.05
Comments: This object was generated by the targetselector and retrieved from the NED database.					Miscellaneous
					Reference Frame: NED

Proposal 13691 - NGC 1316-3 (36) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

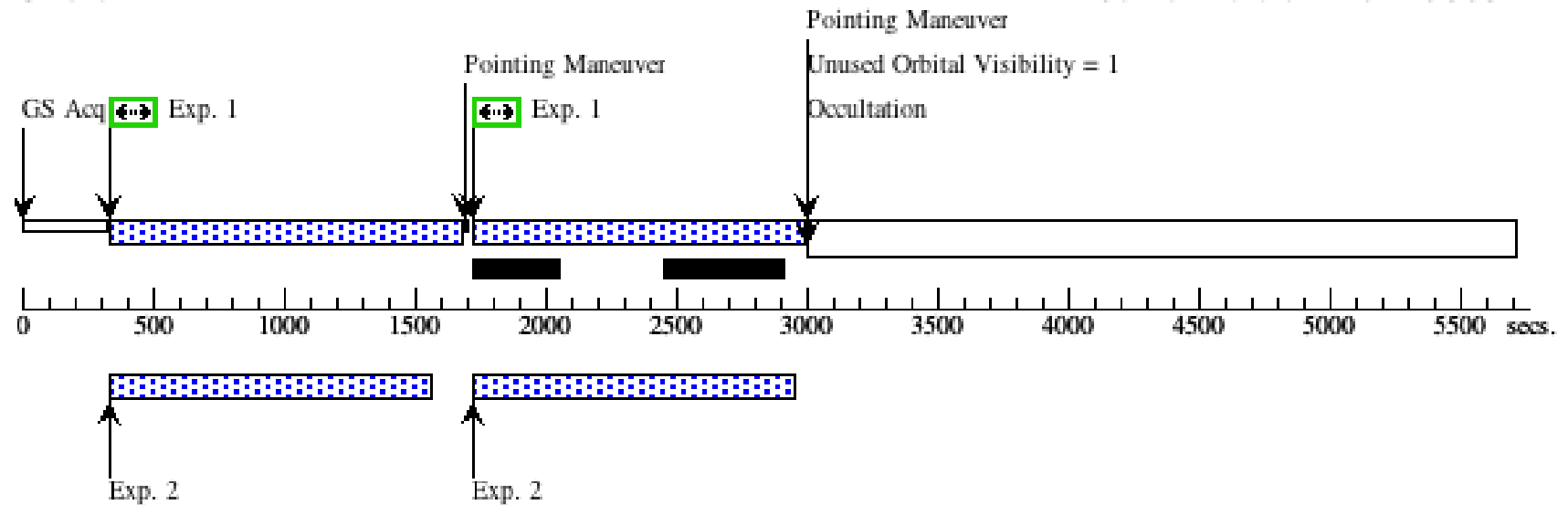
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 1-2 in NGC 1316-3 (36) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1316-3 (36)	1100 Secs (2286 Secs) [==>1143.0 Secs (Pattern 1)] [==>1143.0 Secs (Pattern 2)]	[1]
	2		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPAR S100		Pattern 4, Exps 1-2 in NGC 1316-3 (36) (4) Prime + Parallel Group 1-2 in Pattern 4, Exps 1-2 in NGC 1316-3 (36)	1202.936167 Secs (2405.872 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 3-4 in NGC 1316-3 (36) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1316-3 (36)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[2]
	4		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 3-4 in NGC 1316-3 (36) (4) Prime + Parallel Group 3-4 in Pattern 4, Exps 3-4 in NGC 1316-3 (36)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 5-6 in NGC 1316-3 (36) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1316-3 (36)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[3]
	6		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 5-6 in NGC 1316-3 (36) (4) Prime + Parallel Group 5-6 in Pattern 4, Exps 5-6 in NGC 1316-3 (36)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	7		(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W			Pattern 4, Exps 7-8 in NGC 1316-3 (36) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1316-3 (36)	1100 Secs (2478 Secs) [==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	[4]
	8		(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100		Pattern 4, Exps 7-8 in NGC 1316-3 (36) (4) Prime + Parallel Group 7-8 in Pattern 4, Exps 7-8 in NGC 1316-3 (36)	1302.93649 Secs (2605.873 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[4]

Proposal 13691 - NGC 1316-3 (36) - CHP-II: The Carnegie Hubble Program to Measure H₀ to 3% Using Population II

9	(4) NGC-1316	ACS/WFC, ACCUM, WFC	F814W	Pattern 4, Exps 9-10 in NGC 1316-3 (36) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1316-3 (36)	1100 Secs (2478 Secs)	[5]
					[==>1239.0 Secs (Pattern 1)] [==>1239.0 Secs (Pattern 2)]	
10	(4) NGC-1316	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPAR S100 Pattern 4, Exps 9-10 in NGC 1316-3 (36) (4) Prime + Parallel Group 9-10 in Pattern 4, Exps 9-10 in NGC 1316-3 (36)	1302.93649 Secs (2605.873 Secs)	[5]
					[==>(Pattern 1)] [==>(Pattern 2)]	

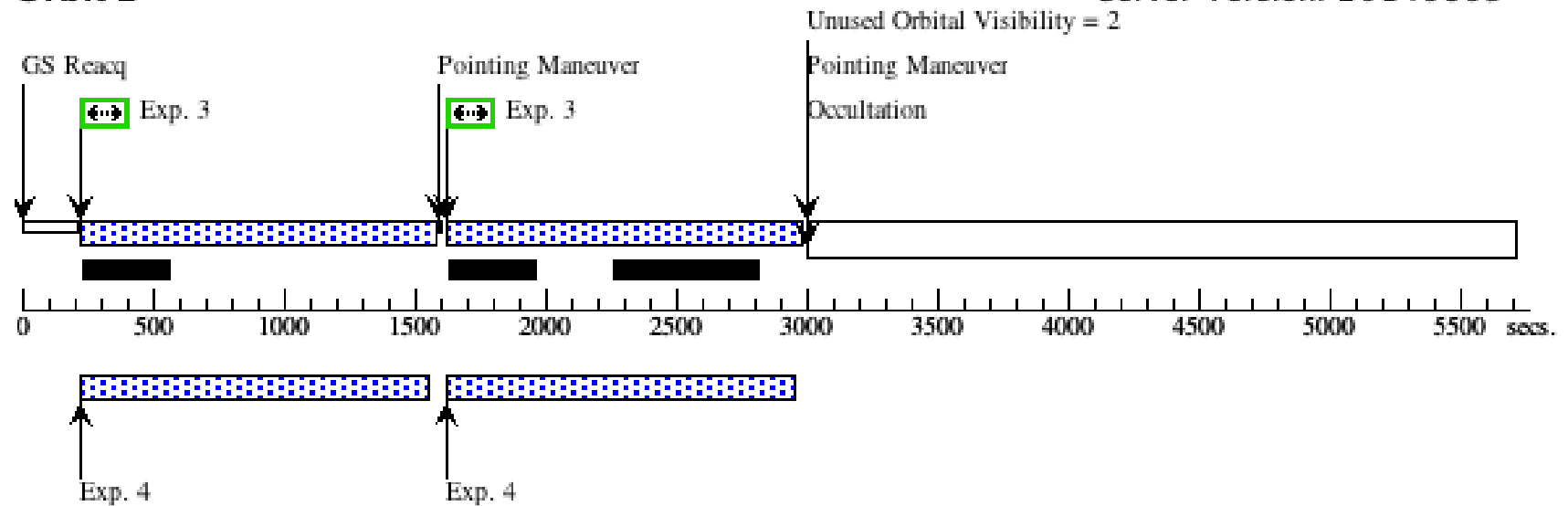
Orbit 1

Server Version: 20140605



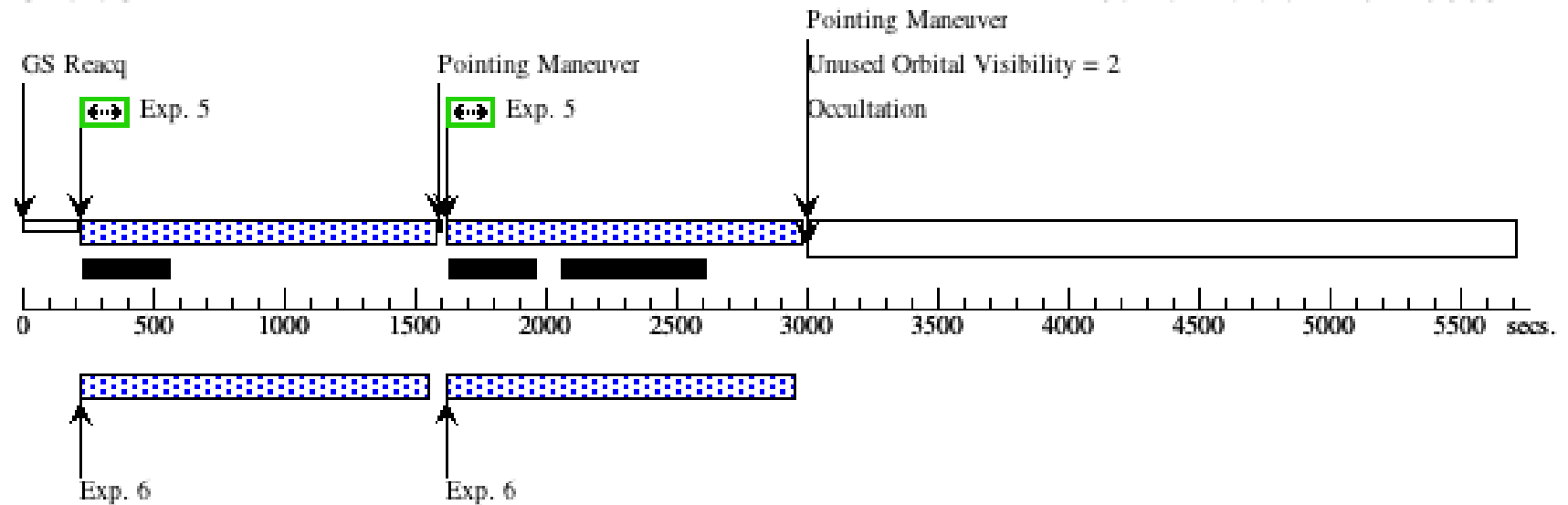
Orbit 2

Server Version: 20140605



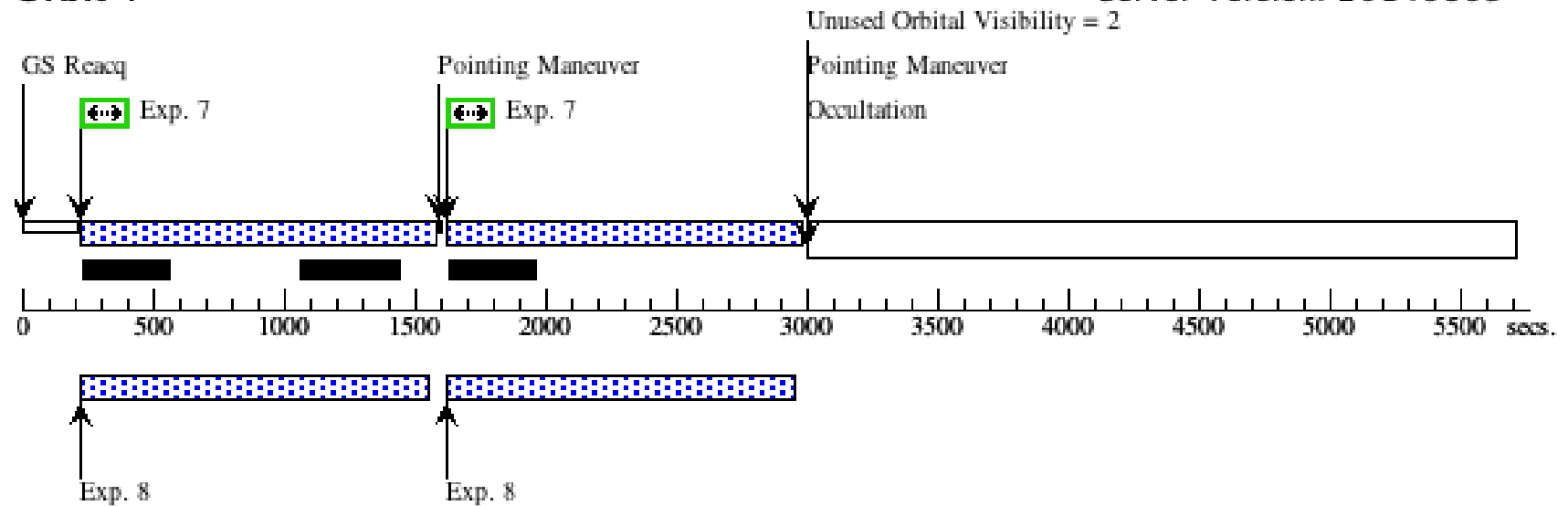
Orbit 3

Server Version: 20140605



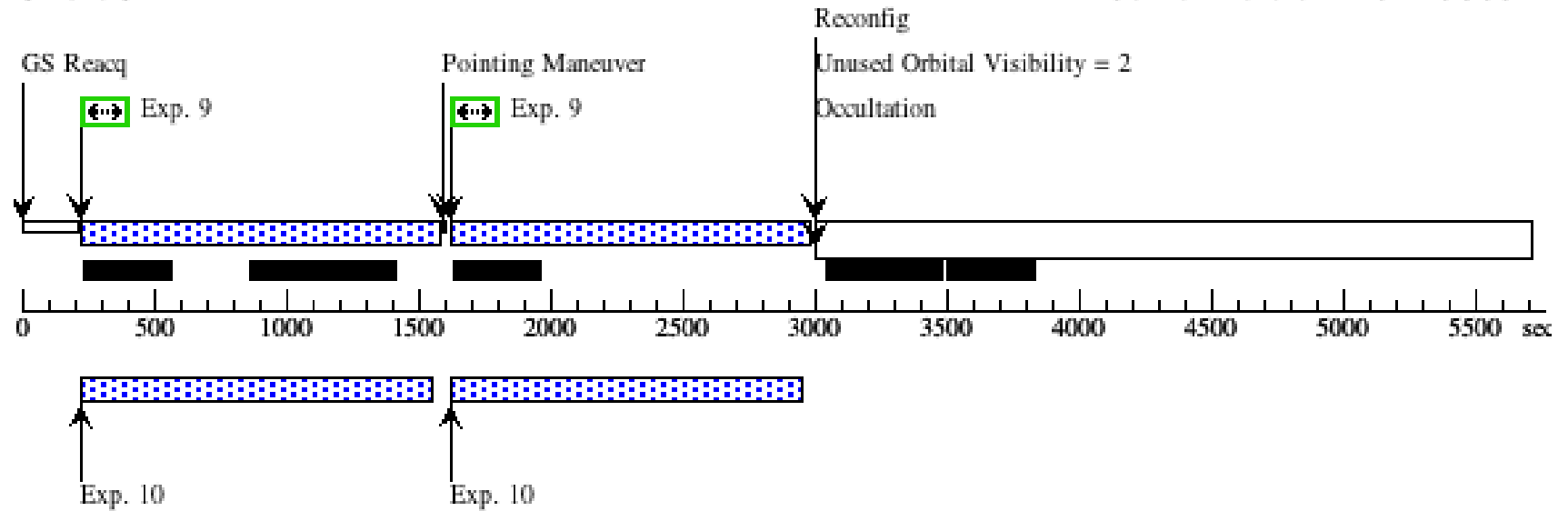
Orbit 4

Server Version: 20140605



Orbit 5

Server Version: 20140605

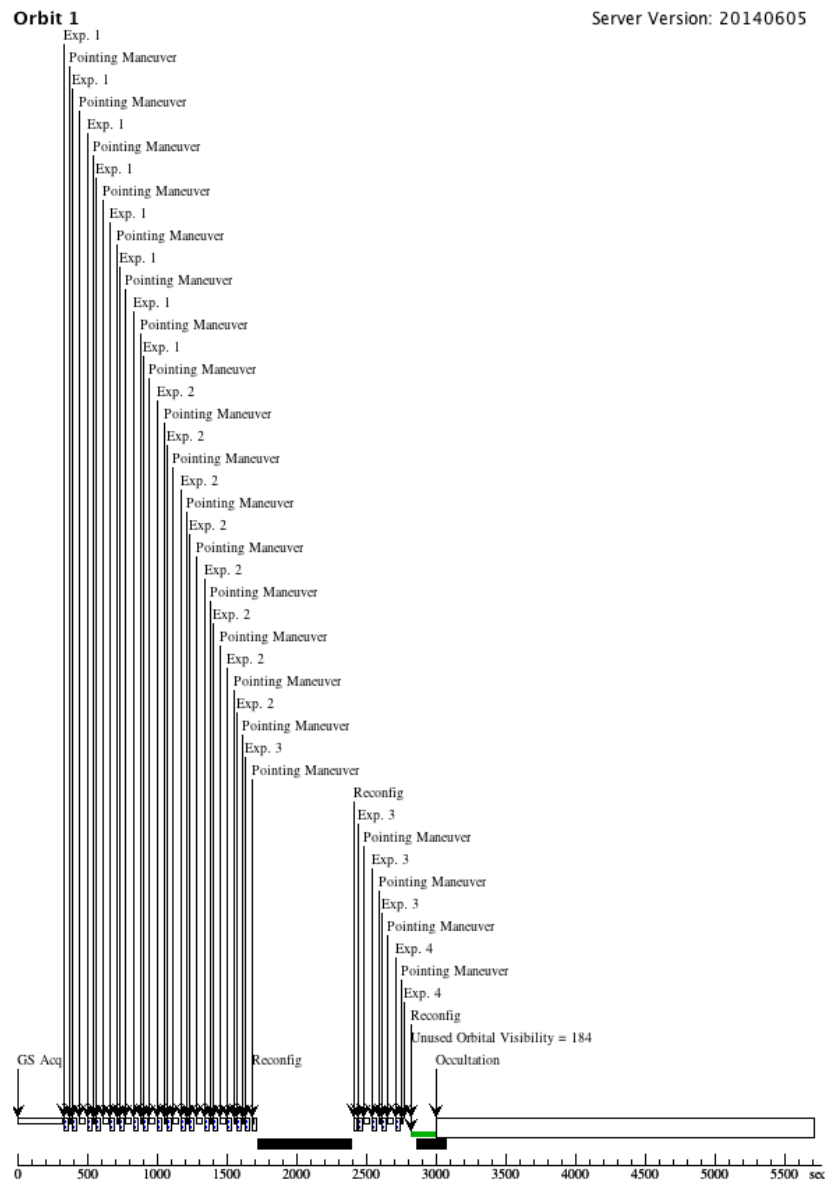


Proposal 13691 - OMEGA CEN-1 (34) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, OMEGA CEN-1 (34) Thu Jul 24 00:09:14 GMT 2014				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ORIENT 43D TO 47 D; ORIENT 133D TO 137 D				
Diagnostics	(Exposure 3 (Pattern 9, Exps 3-3 in OMEGA CEN-1 (34)) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(4)
	(5)	Pattern Type=BOX Purpose=MOSAIC Number Of Points=4 Point Spacing=90 Line Spacing=90	Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides=90 Center Pattern=true	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	(1), (2)
	(9)	Pattern Type=LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=90 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	(3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(14)	OMEGA-CEN-FIELD1	RA: 13 26 41.3000 (201.6720833d) Dec: -47 26 29.50 (-47.44153d) Equinox: J2000		V=3.9
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13691 - OMEGA CEN-1 (34) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(14) OMEGA-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID		Pattern 5, Exps 1-1 in OMEGA CEN-1 (34) (5)	2.932291 Secs (23.458 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 4,1)] [==>(Pattern 4,2)]	[1]
	2		(14) OMEGA-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID		Pattern 5, Exps 2-2 in OMEGA CEN-1 (34) (5)	2.932291 Secs (23.458 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 4,1)] [==>(Pattern 4,2)]	[1]
	3		(14) OMEGA-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID	POS TARG -45,null	Pattern 9, Exps 3-3 in OMEGA CEN-1 (34) (9)	2.932291 Secs (11.729 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	4		(14) OMEGA-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID	POS TARG 45,45	Pattern 1, Exps 4-4 in OMEGA CEN-1 (34) (1)	2.932291 Secs (5.865 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 13691 - OMEGA CEN-2 (35) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Visit	Proposal 13691, OMEGA CEN-2 (35) Thu Jul 24 00:09:14 GMT 2014				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ORIENT 43D TO 47 D; ORIENT 133D TO 137 D; AFTER 34 BY 1.1 D TO 1.3 D				
Diagnostics	(Exposure 3 (Pattern 9, Exps 3-3 in OMEGA CEN-2 (35)) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(4)
	(5)	Pattern Type=BOX Purpose=MOSAIC Number Of Points=4 Point Spacing=90 Line Spacing=90	Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides=90 Center Pattern=true	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	(1), (2)
	(9)	Pattern Type=LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=90 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	(3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(27)	OMEGA-CEN-FIELD2	RA: 13 26 4.2500 (201.5177083d) Dec: -47 25 10.60 (-47.41961d) Equinox: J2000		V=3.9
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13691 - OMEGA CEN-2 (35) - CHP-II: The Carnegie Hubble Program to Measure Ho to 3% Using Population II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(27) OMEGA-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID		Pattern 5, Exps 1-1 in OMEGA CEN-2 (35) (5)	2.932291 Secs (23.458 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 4,1)] [==>(Pattern 4,2)]	[1]
	2		(27) OMEGA-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID		Pattern 5, Exps 2-2 in OMEGA CEN-2 (35) (5)	2.932291 Secs (23.458 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 4,1)] [==>(Pattern 4,2)]	[1]
	3		(27) OMEGA-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID	POS TARG -45,null	Pattern 9, Exps 3-3 in OMEGA CEN-2 (35) (9)	2.932291 Secs (11.729 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	4		(27) OMEGA-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=1; SAMP-SEQ=RAPID	POS TARG 45,45	Pattern 1, Exps 4-4 in OMEGA CEN-2 (35) (1)	2.932291 Secs (5.865 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

