12112 - A Panchromatic Hubble Andromeda Treasury - I

Cycle: 19, Proposal Category: GO

(Large Program)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) M31-B20-F01-IR (2) M31-B20-F01-UVIS (3) M31-B20-F04-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:43:58.0	yes
02	(4) M31-B20-F02-IR (5) M31-B20-F02-UVIS (6) M31-B20-F05-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:44:14.0	yes
03	(7) M31-B20-F03-IR (8) M31-B20-F03-UVIS (9) M31-B20-F06-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:44:27.0	yes
04	(10) M31-B20-F04-IR (11) M31-B20-F04-UVIS (12) M31-B20-F01-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:44:41.0	yes
05	(13) M31-B20-F05-IR (14) M31-B20-F05-UVIS (15) M31-B20-F02-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:44:53.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
06	(16) M31-B20-F06-IR (17) M31-B20-F06-UVIS (18) M31-B20-F03-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:45:07.0	yes
07	(19) M31-B20-F07-IR (20) M31-B20-F07-UVIS (21) M31-B20-F10-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:45:19.0	yes
08	(22) M31-B20-F08-IR (23) M31-B20-F08-UVIS (24) M31-B20-F11-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:45:30.0	yes
09	(25) M31-B20-F09-IR (26) M31-B20-F09-UVIS (27) M31-B20-F12-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:45:43.0	yes
10	(28) M31-B20-F10-IR (29) M31-B20-F10-UVIS (30) M31-B20-F07-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:45:53.0	yes
11	(31) M31-B20-F11-IR (32) M31-B20-F11-UVIS (33) M31-B20-F08-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:46:05.0	yes
12	(34) M31-B20-F12-IR (35) M31-B20-F12-UVIS (36) M31-B20-F09-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:46:16.0	yes
13	(37) M31-B20-F13-IR (38) M31-B20-F13-UVIS (39) M31-B20-F16-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:46:28.0	yes
14	(40) M31-B20-F14-IR (41) M31-B20-F14-UVIS (42) M31-B20-F17-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:46:40.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
15	(43) M31-B20-F15-IR (44) M31-B20-F15-UVIS (45) M31-B20-F18-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:46:52.0	yes
16	(46) M31-B20-F16-IR (47) M31-B20-F16-UVIS (48) M31-B20-F13-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:47:02.0	yes
17	(49) M31-B20-F17-IR (50) M31-B20-F17-UVIS (51) M31-B20-F14-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:47:14.0	yes
18	(52) M31-B20-F18-IR (53) M31-B20-F18-UVIS (54) M31-B20-F15-WFC	ACS/WFC WFC3/IR WFC3/UVIS	2	27-Aug-2010 21:47:25.0	yes

36 Total Orbits Used

ABSTRACT

We propose to image the north east quadrant of M31 to deep limits in the UV, optical, and near-IR. HST imaging should resolve the galaxy into more than 100 million stars, all with common distances and foreground extinctions. UV through NIR stellar photometry (F275W, F336W with WFC3/UVIS, F475W and F814W with ACS/WFC, and F110W and F160W with WFC3/NIR) will provide effective temperatures for a wide range of spectral types, while simultaneously mapping M31's extinction. Our central science drivers are to: understand high-mass variations in the stellar IMF as a function of SFR intensity and metallicity; capture the spatially-resolved star formation history of M31; study a vast sample of stellar clusters with a range of ages and metallicities. These are central to understanding stellar evolution and clustered star formation; constraining ISM energetics; and understanding the counterparts and environments of transient objects (novae, SNe, variable stars, x-ray sources, etc.). As its legacy, this survey adds M31 to the Milky Way and Magellanic Clouds as a fundamental calibrator of stellar evolution and star-formation processes for understanding the stellar populations of distant galaxies. Effective exposure times are 977s in F275W, 1368s in F336W, 4040s in F475W, 4042s in F814W, 699s in F110W, and 1796s in F160W, including short exposures to avoid saturation of bright sources. These depths will produce photon-limited images in the UV. Images will be crowding-limited in the optical and NIR, but will reach below the red clump at all radii. The images will reach the Nyquist sampling limit in F160W, F475W, and F814W.

OBSERVING DESCRIPTION

This is tiling brick 20 of the M31 MCTP.

The strategy is to obtain UV through IR photometry covering a large fraction of M31. Every primary target has a parallel target defined with the same coordinates, but with a different name to distinguish its location in the brick. Each visit is 2 orbits. During the two orbits, we obtain, 925, 1250, 1720, 1520, 699, and 1596 seconds of exposure in F275W, F336W, F475W, F814W, F110W, and F160W, respectively at summer orients (>180 degrees; Sched100). We obtain 1010, 1350, 1900, 1715, 799, and 1696 seconds of exposure in F275W, F336W, F475W, F814W, F110W, and F160W, respectively at winter orients (<180 degrees; Sched60) All exposure times are optimized to have the shutters of both cameras open during all buffer dumps. Thus, the exposure times are somewhat asymmetric. Orbit lengths for the orients available in winter are slightly longer than those for orients available in summe to maximize efficiency.

In the first orbit, WFC3/UVIS and ACS run in parallel to obtain 2 primary exposures in F275W, 2 primary exposures in F336W, and 4 parallel exposures in F814W. There is a pointing offset to all UVIS exposures to compensate for the V2, V3 offset between the IR-FIX aperture and the UVIS-CENTER aperture; including this offset keeps the ACS parallels aligned between the two orbits. Dithers are set up to obtain Nyquist sampling in F814W and cover the UVIS chip gap in F275W and F336W. With at least 2 exposures per filter, should allow all data to be cleaned of cosmic rays except for the UVIS chip gap, which will only have single-exposure coverage. A single short exposure is performed in F814W to protect against saturation.

In the second orbit, WFC/IR and ACS run in parallel to obtain 4 primary exposures in F160W, 1 primary exposure in F110W, and 5 parallel exposures in F475W. WFC/IR observations are performed during the second orbit of the visits in order to avoid any persistence issues in case the program observed before our observation uses the IR channel on a bright source. Dithers are set up to obtain Nyquist sampling in F475W and in F160W. A single short exposure is performed in F475W to protect against saturation. WFC3/IR exposures use variations of the STEP100 and STEP200 readout patterns, which protects against saturation in the IR. The F160W exposures use NSAMP=11, SAMP-SEQ=STEP100 (499s) and NSAMP=9, SAMP-SEQ=STEP200 (399s), and the F110W exposure uses NSAMP=11, SAMP-SEQ=STEP200 (799s, long orbit) and NSAMP=13, SAMP-SEQ=STEP100 (699s, short orbit) .

ADDITIONAL COMMENTS

This brick has a priority value of 20 out of 23.

Visit

Proposal 12112, Visit 01, implementation Sat Aug 28 01:47:32 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 01) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

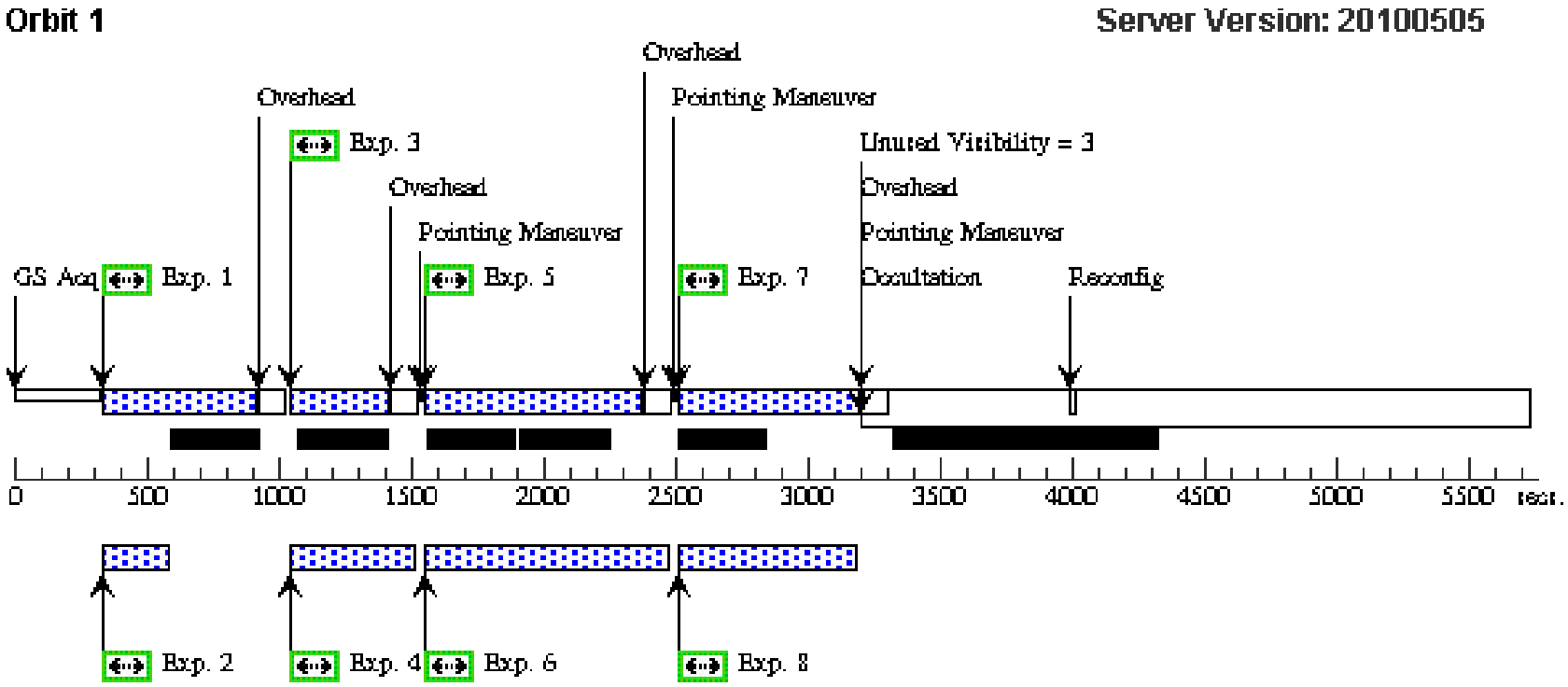
Fixed Targets

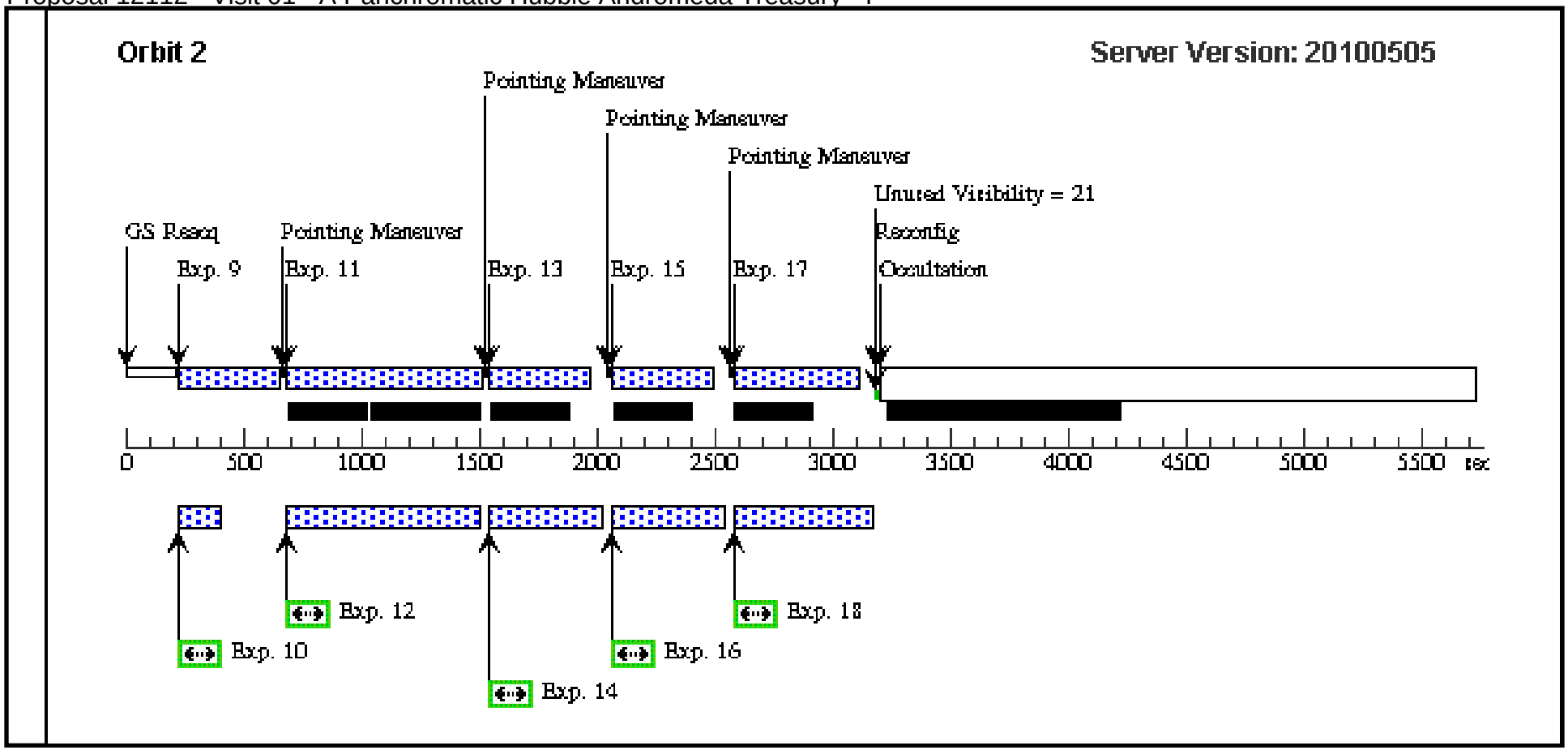
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	M31-B20-F01-IR	RA: 00 47 25.5142 (11.8563092d) Dec: +42 04 25.86 (42.07385d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(2)	M31-B20-F01-UVIS	RA: 00 47 25.5142 (11.8563092d) Dec: +42 04 25.86 (42.07385d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(3)	M31-B20-F04-WFC	RA: 00 47 25.5142 (11.8563092d) Dec: +42 04 25.86 (42.07385d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F01-UVIS-F336W	(2) M31-B20-F01-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F04-WFC-F814W-short	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F01-UVIS-F275W	(2) M31-B20-F01-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F04-WFC-F814W	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F01-UVIS-F336W	(2) M31-B20-F01-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F04-WFC-F814W	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F01-UVIS-F275W	(2) M31-B20-F01-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F04-WFC-F814W	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F01-IR-f160w	(1) M31-B20-F01-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F04-WFC-F475W-short	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F01-IR-f110w	(1) M31-B20-F01-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F04-WFC-F475W	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F01-IR-f160w	(1) M31-B20-F01-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F04-WFC-F475W	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F01-IR-f160w	(1) M31-B20-F01-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F04-WFC-F475W	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F01-IR-f160w	(1) M31-B20-F01-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F04-WFC-F475W	(3) M31-B20-F04-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure

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sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 02, implementation Sat Aug 28 01:47:34 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 02) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

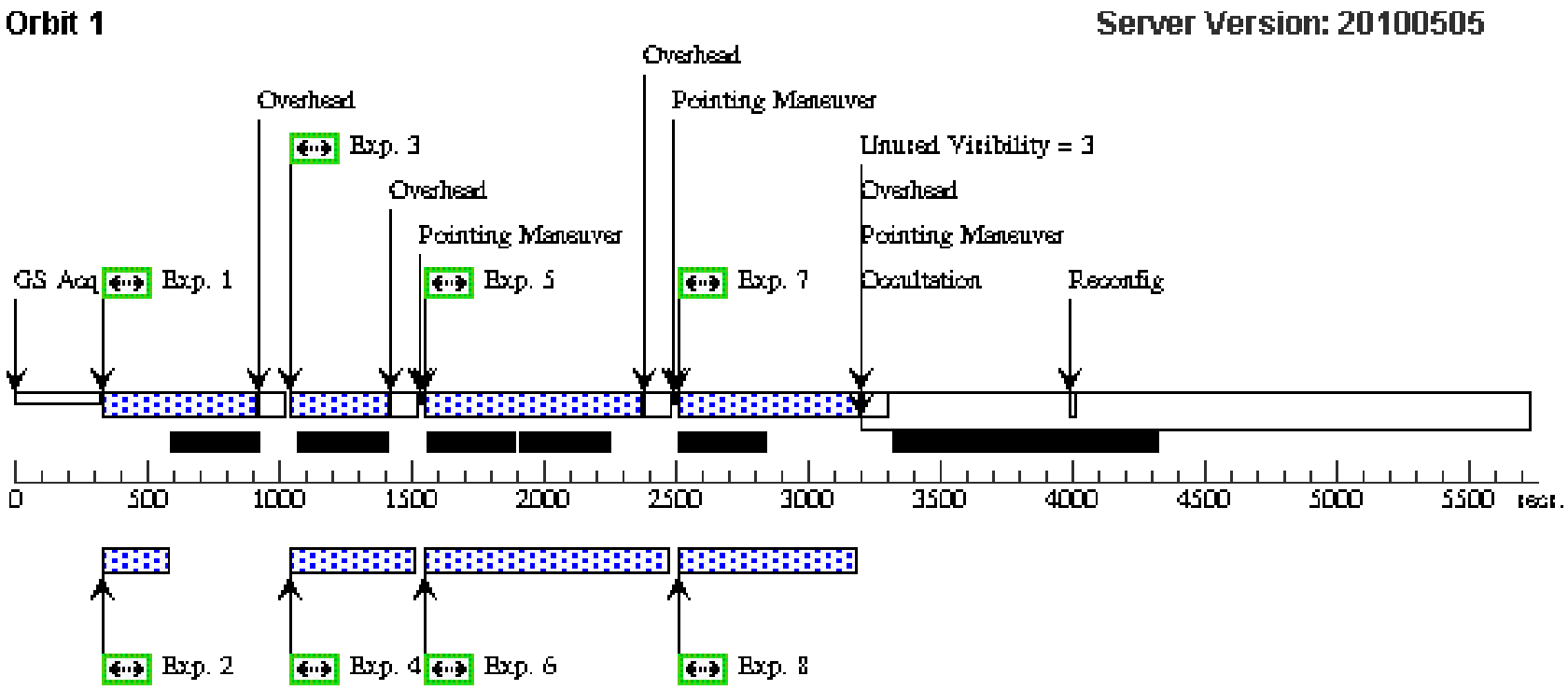
Fixed Targets

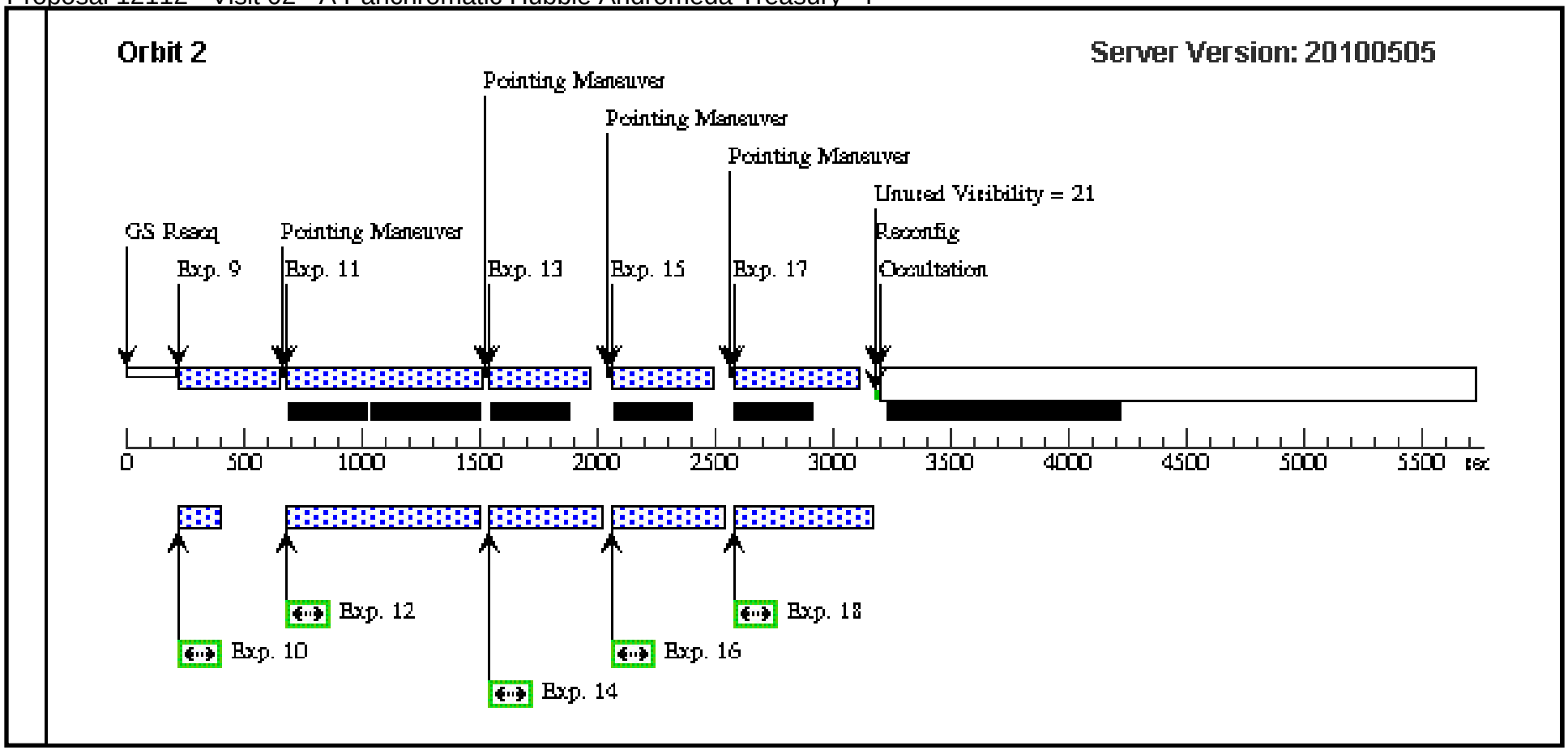
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	M31-B20-F02-IR	RA: 00 47 14.9797 (11.8124154d) Dec: +42 04 44.45 (42.07901d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(5)	M31-B20-F02-UVIS	RA: 00 47 14.9797 (11.8124154d) Dec: +42 04 44.45 (42.07901d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(6)	M31-B20-F05-WFC	RA: 00 47 14.9797 (11.8124154d) Dec: +42 04 44.45 (42.07901d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F02-UVIS-F336W	(5) M31-B20-F02-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	 ***[1]***
2	M31-B20-F05-WFC-F814W-short	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	 ***[1]***
3	M31-B20-F02-UVIS-F275W	(5) M31-B20-F02-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	 ***[1]***
4	M31-B20-F05-WFC-F814W	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	 ***[1]***
5	M31-B20-F02-UVIS-F336W	(5) M31-B20-F02-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	 ***[1]***
6	M31-B20-F05-WFC-F814W	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	 ***[1]***
7	M31-B20-F02-UVIS-F275W	(5) M31-B20-F02-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	 ***[1]***
8	M31-B20-F05-WFC-F814W	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	 ***[1]***
9	M31-B20-F02-IR-f160w	(4) M31-B20-F02-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	***[2]***
10	M31-B20-F05-WFC-F475W-short	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	 ***[2]***
11	M31-B20-F02-IR-f110w	(4) M31-B20-F02-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	***[2]***
12	M31-B20-F05-WFC-F475W	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	 ***[2]***
13	M31-B20-F02-IR-f160w	(4) M31-B20-F02-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	***[2]***
14	M31-B20-F05-WFC-F475W	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	 ***[2]***
15	M31-B20-F02-IR-f160w	(4) M31-B20-F02-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	***[2]***
16	M31-B20-F05-WFC-F475W	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	 ***[2]***
17	M31-B20-F02-IR-f160w	(4) M31-B20-F02-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	***[2]***
18	M31-B20-F05-WFC-F475W	(6) M31-B20-F05-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	 ***[2]***

Orbit Structure

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Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 21
GS Reacq
Pointing Maneuver
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 03, implementation Sat Aug 28 01:47:35 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 03) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

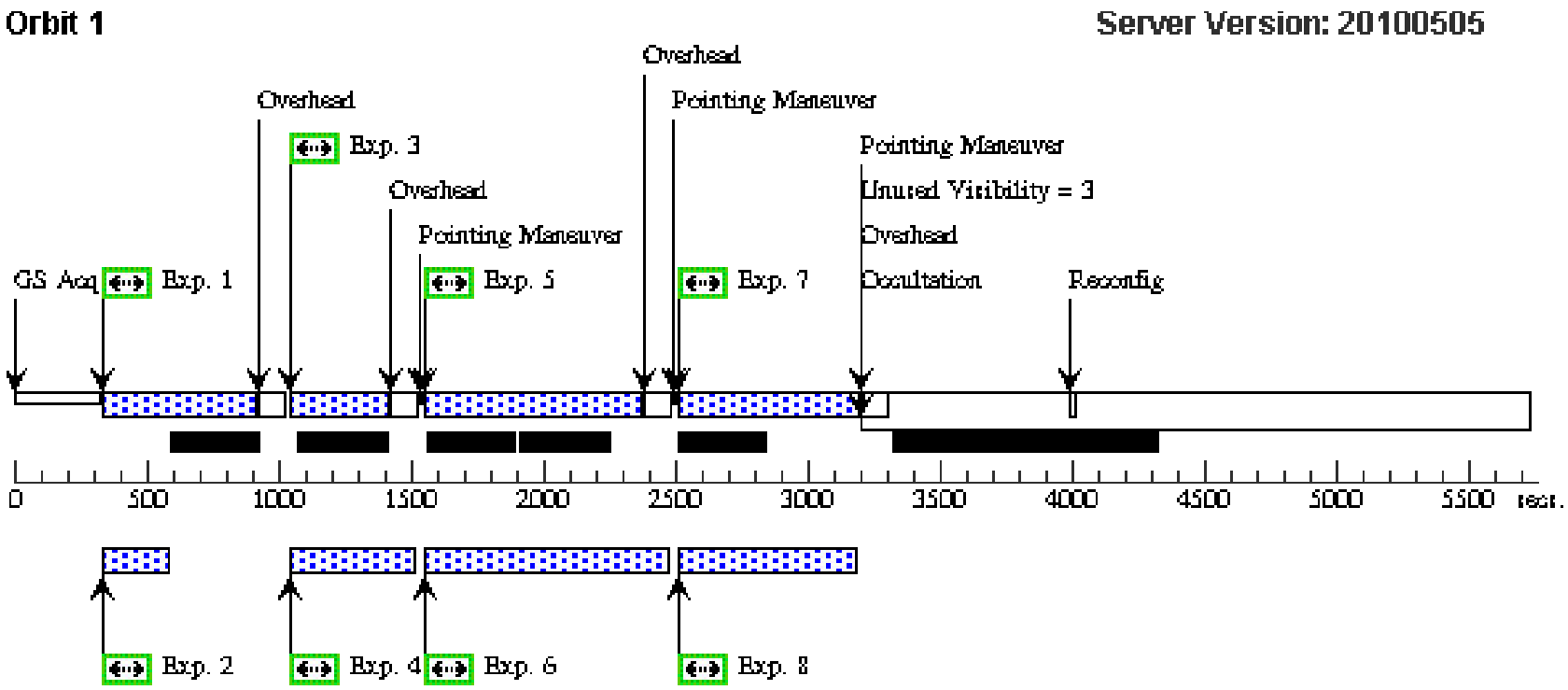
Fixed Targets

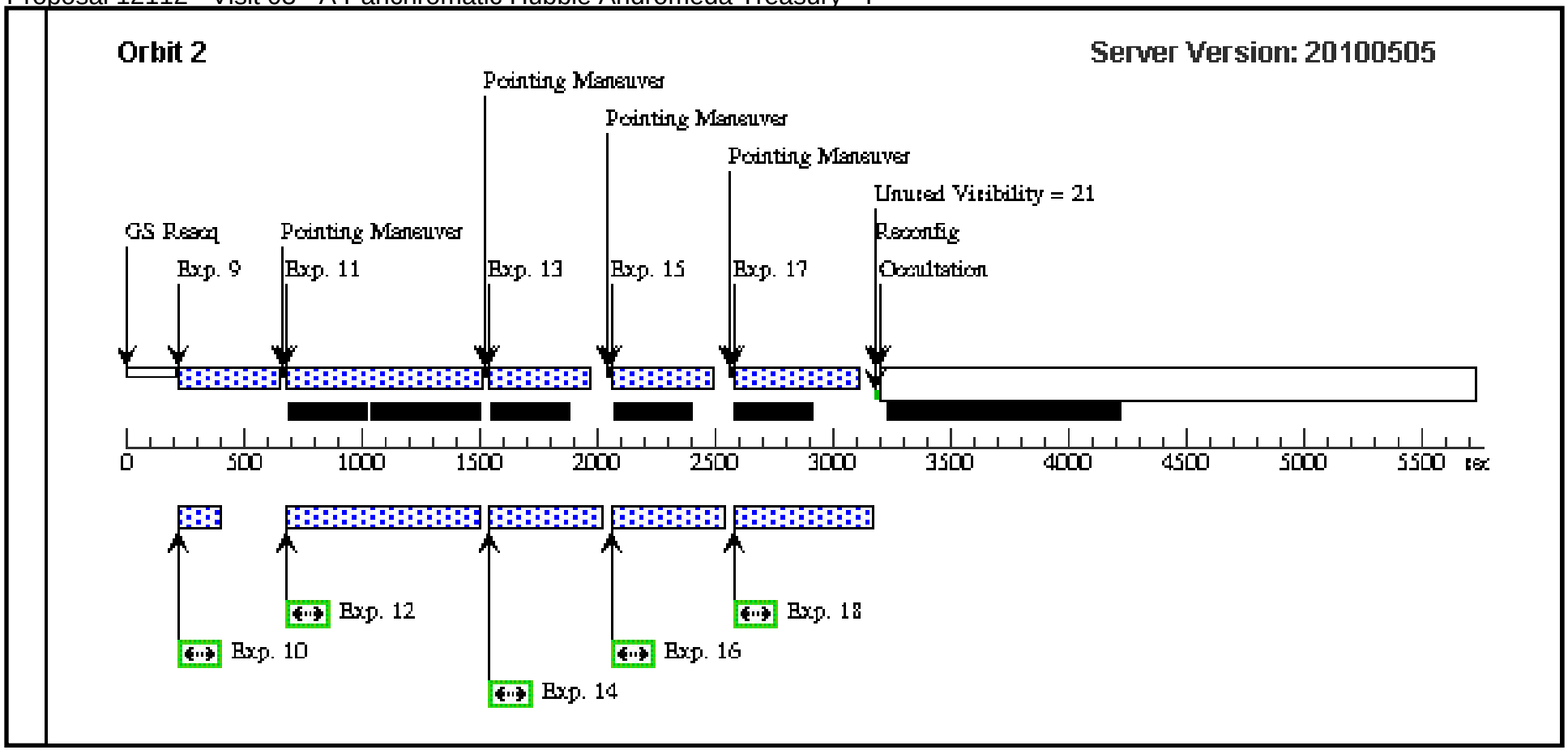
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	M31-B20-F03-IR	RA: 00 47 4.4452 (11.7685217d) Dec: +42 05 3.03 (42.08418d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(8)	M31-B20-F03-UVIS	RA: 00 47 4.4452 (11.7685217d) Dec: +42 05 3.03 (42.08418d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(9)	M31-B20-F06-WFC	RA: 00 47 4.4452 (11.7685217d) Dec: +42 05 3.03 (42.08418d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F03-UVIS-F336W	(8) M31-B20-F03-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F06-WFC-F814W-short	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F03-UVIS-F275W	(8) M31-B20-F03-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F06-WFC-F814W	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F03-UVIS-F336W	(8) M31-B20-F03-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F06-WFC-F814W	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F03-UVIS-F275W	(8) M31-B20-F03-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F06-WFC-F814W	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F03-IR-f160w	(7) M31-B20-F03-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F06-WFC-F475W-short	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F03-IR-f110w	(7) M31-B20-F03-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F06-WFC-F475W	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F03-IR-f160w	(7) M31-B20-F03-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F06-WFC-F475W	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F03-IR-f160w	(7) M31-B20-F03-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F06-WFC-F475W	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F03-IR-f160w	(7) M31-B20-F03-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F06-WFC-F475W	(9) M31-B20-F06-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 21
GS Reacq
Pointing Maneuver
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 04, implementation Sat Aug 28 01:47:36 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 04) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 04) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 04) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

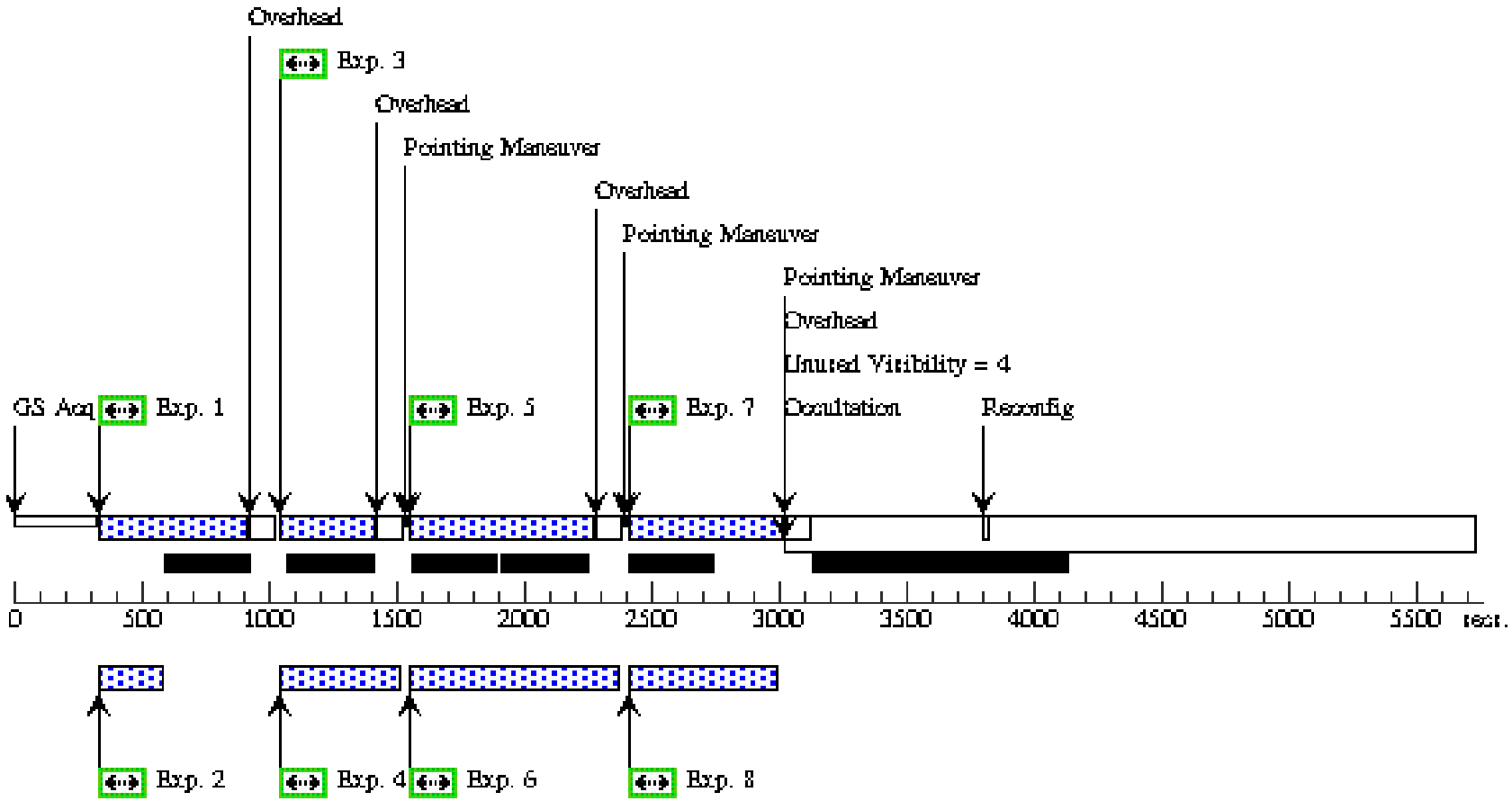
Fixed Targets

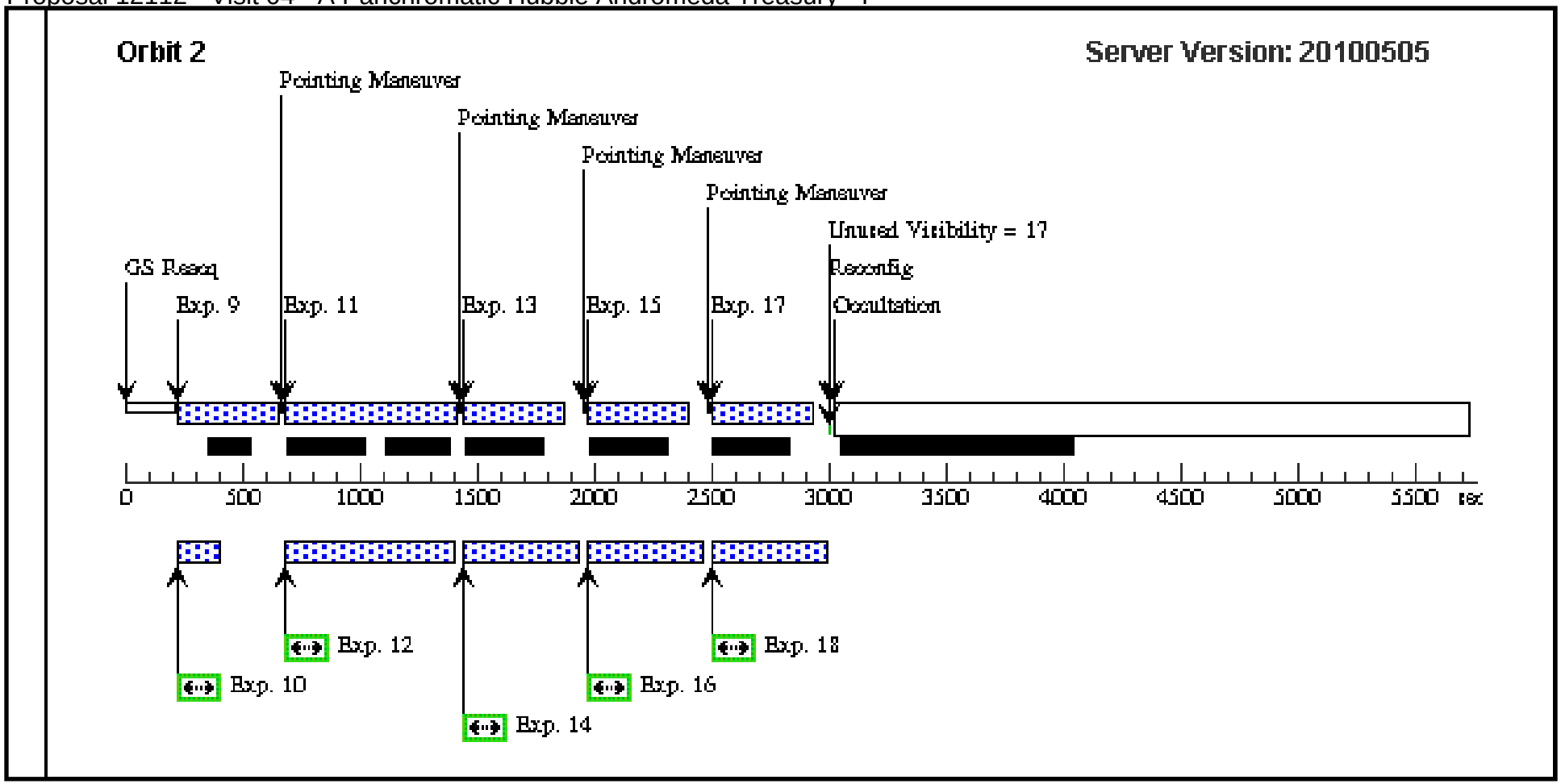
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	M31-B20-F04-IR	RA: 00 46 53.6953 (11.7237304d) Dec: +42 05 21.61 (42.08934d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(11)	M31-B20-F04-UVIS	RA: 00 46 53.6953 (11.7237304d) Dec: +42 05 21.61 (42.08934d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(12)	M31-B20-F01-WFC	RA: 00 46 53.6953 (11.7237304d) Dec: +42 05 21.61 (42.08934d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F04-UVIS-F336W	(11) M31-B20-F04-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F01-WFC-F814W-short	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F04-UVIS-F275W	(11) M31-B20-F04-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F01-WFC-F814W	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F04-UVIS-F336W	(11) M31-B20-F04-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F01-WFC-F814W	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F04-UVIS-F275W	(11) M31-B20-F04-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F01-WFC-F814W	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F04-IR-f160w	(10) M31-B20-F04-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F01-WFC-F475W-short	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F04-IR-f110w	(10) M31-B20-F04-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F01-WFC-F475W	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F04-IR-f160w	(10) M31-B20-F04-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F01-WFC-F475W	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F04-IR-f160w	(10) M31-B20-F04-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F01-WFC-F475W	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F04-IR-f160w	(10) M31-B20-F04-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F01-WFC-F475W	(12) M31-B20-F01-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 17
GS Reacq
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
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4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 05, implementation Sat Aug 28 01:47:37 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 05) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 05) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 05) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

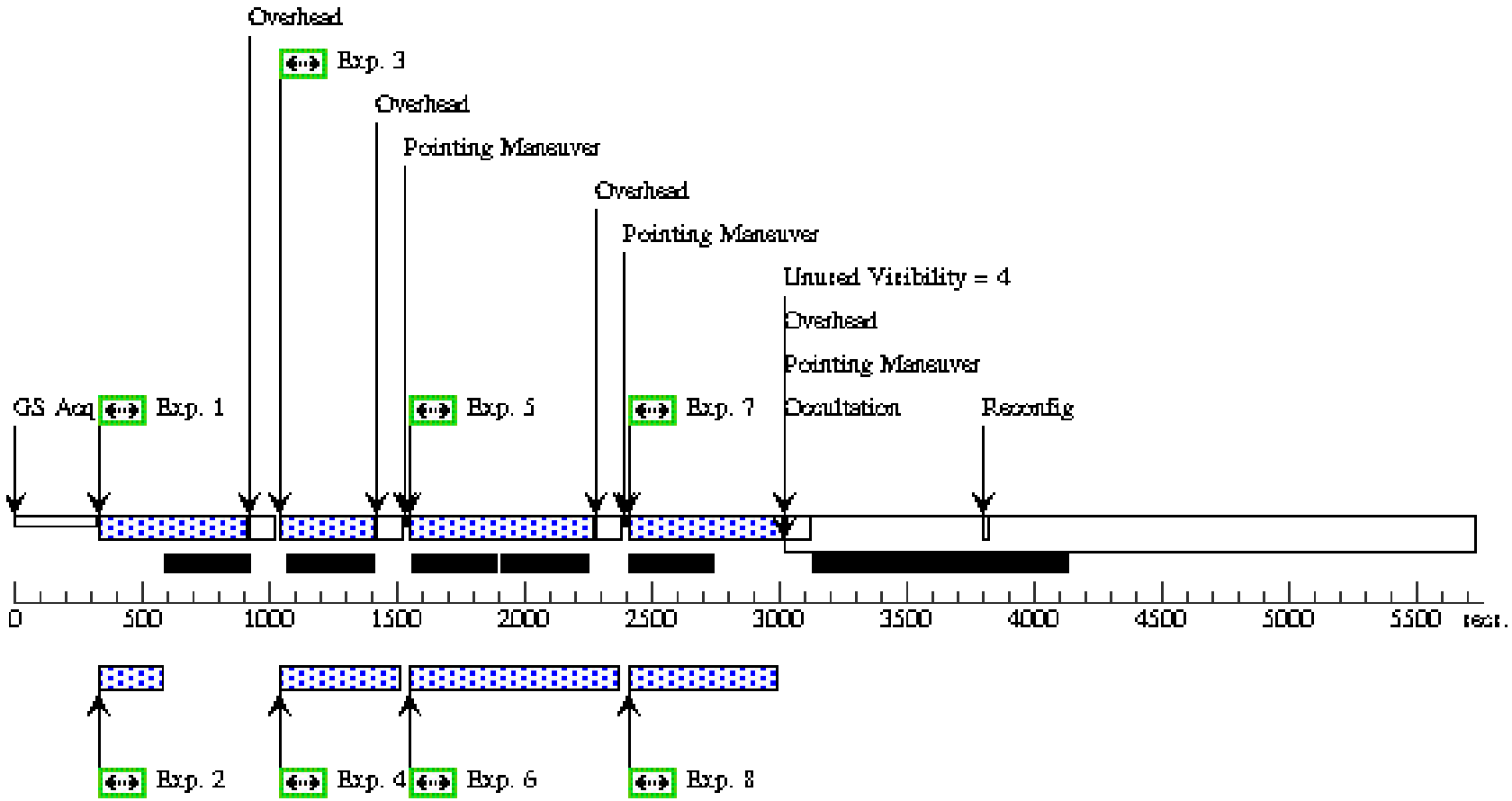
Fixed Targets

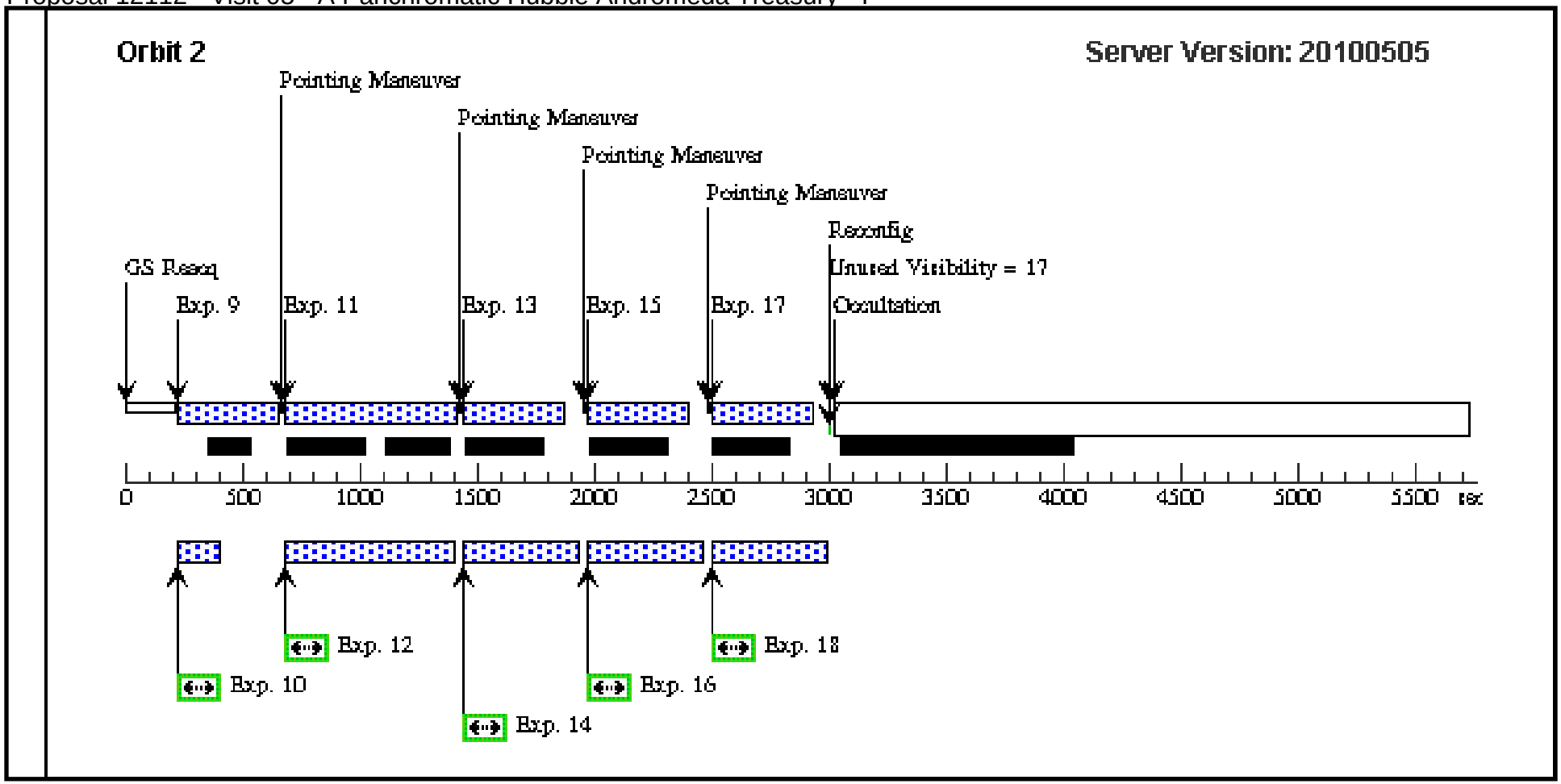
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	M31-B20-F05-IR	RA: 00 46 43.1608 (11.6798367d) Dec: +42 05 40.20 (42.09450d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(14)	M31-B20-F05-UVIS	RA: 00 46 43.1608 (11.6798367d) Dec: +42 05 40.20 (42.09450d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(15)	M31-B20-F02-WFC	RA: 00 46 43.1608 (11.6798367d) Dec: +42 05 40.20 (42.09450d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F05-UVIS-F336W	(14) M31-B20-F05-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	 ***[1]***
2	M31-B20-F02-WFC-F814W-short	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	 ***[1]***
3	M31-B20-F05-UVIS-F275W	(14) M31-B20-F05-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	 ***[1]***
4	M31-B20-F02-WFC-F814W	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	 ***[1]***
5	M31-B20-F05-UVIS-F336W	(14) M31-B20-F05-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	 ***[1]***
6	M31-B20-F02-WFC-F814W	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	 ***[1]***
7	M31-B20-F05-UVIS-F275W	(14) M31-B20-F05-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	 ***[1]***
8	M31-B20-F02-WFC-F814W	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	 ***[1]***
9	M31-B20-F05-IR-f160w	(13) M31-B20-F05-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	***[2]***
10	M31-B20-F02-WFC-F475W-short	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	 ***[2]***
11	M31-B20-F05-IR-f110w	(13) M31-B20-F05-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	***[2]***
12	M31-B20-F02-WFC-F475W	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	 ***[2]***
13	M31-B20-F05-IR-f160w	(13) M31-B20-F05-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	***[2]***
14	M31-B20-F02-WFC-F475W	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	 ***[2]***
15	M31-B20-F05-IR-f160w	(13) M31-B20-F05-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	***[2]***
16	M31-B20-F02-WFC-F475W	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	 ***[2]***
17	M31-B20-F05-IR-f160w	(13) M31-B20-F05-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	***[2]***
18	M31-B20-F02-WFC-F475W	(15) M31-B20-F02-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	 ***[2]***

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Reconfig
GS Reacq
Unused Visibility = 17
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
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3500
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4500
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sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 06, implementation Sat Aug 28 01:47:38 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 06) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 06) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 06) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

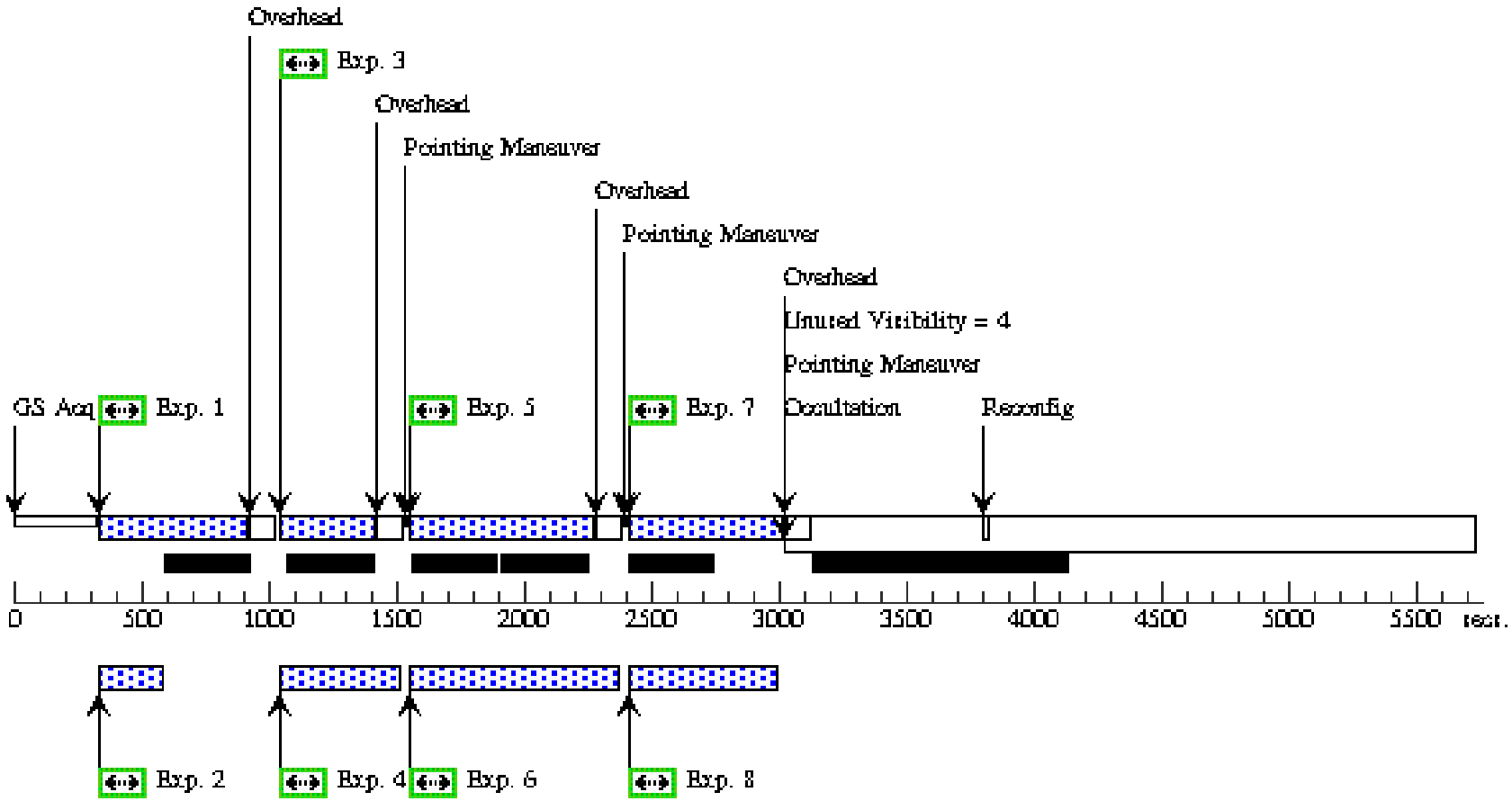
Fixed Targets

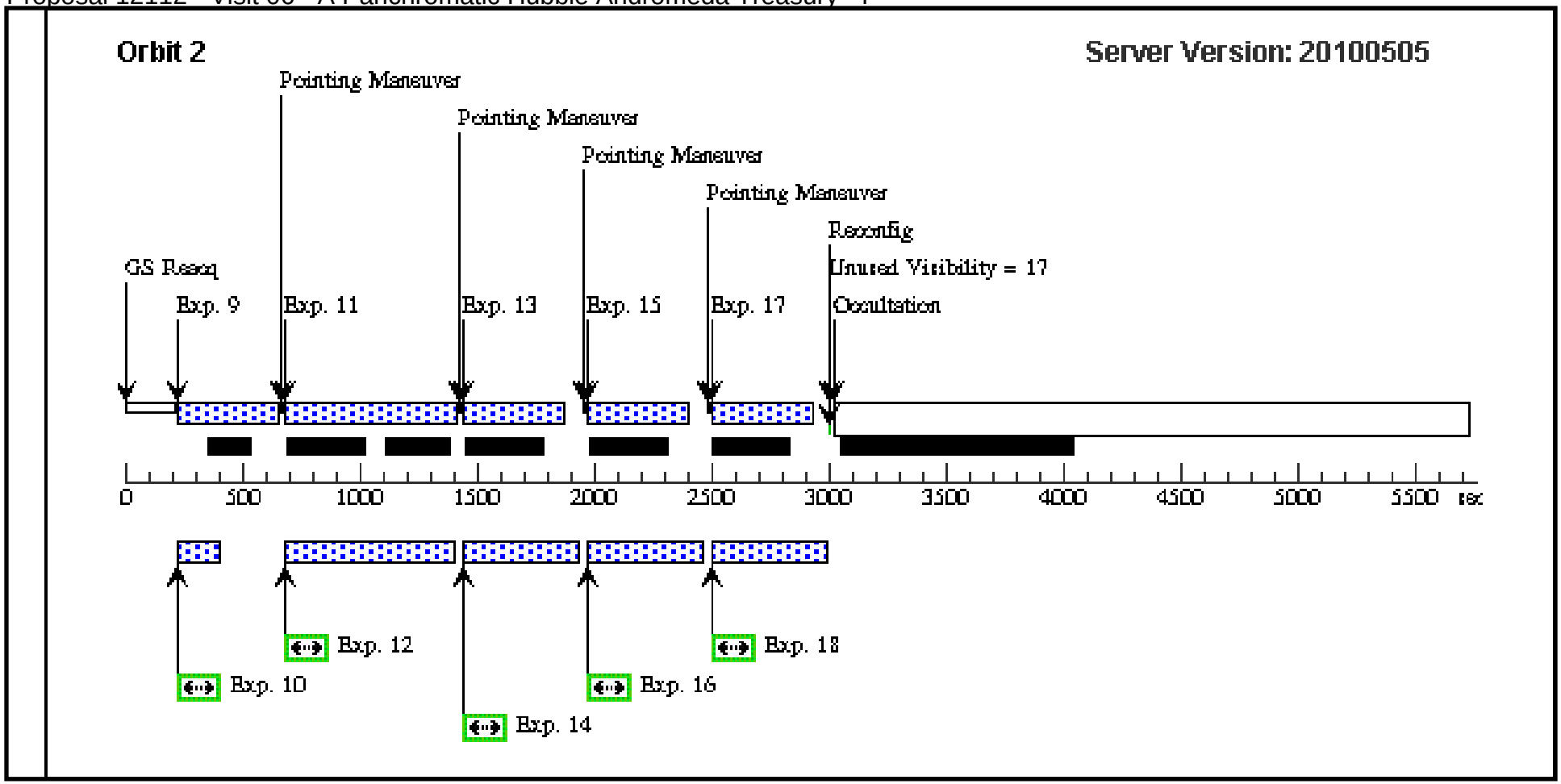
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	M31-B20-F06-IR	RA: 00 46 32.6263 (11.6359429d) Dec: +42 05 58.78 (42.09966d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(17)	M31-B20-F06-UVIS	RA: 00 46 32.6263 (11.6359429d) Dec: +42 05 58.78 (42.09966d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(18)	M31-B20-F03-WFC	RA: 00 46 32.6263 (11.6359429d) Dec: +42 05 58.78 (42.09966d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F06-UVIS-F336W	(17) M31-B20-F06-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F03-WFC-F814W-short	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F06-UVIS-F275W	(17) M31-B20-F06-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F03-WFC-F814W	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F06-UVIS-F336W	(17) M31-B20-F06-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F03-WFC-F814W	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F06-UVIS-F275W	(17) M31-B20-F06-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F03-WFC-F814W	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F06-IR-f160w	(16) M31-B20-F06-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F03-WFC-F475W-short	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F06-IR-f110w	(16) M31-B20-F06-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F03-WFC-F475W	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F06-IR-f160w	(16) M31-B20-F06-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F03-WFC-F475W	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F06-IR-f160w	(16) M31-B20-F06-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F03-WFC-F475W	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F06-IR-f160w	(16) M31-B20-F06-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F03-WFC-F475W	(18) M31-B20-F03-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Reconfig
GS Reacq
Unused Visibility = 17
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 07, implementation Sat Aug 28 01:47:40 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 07) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

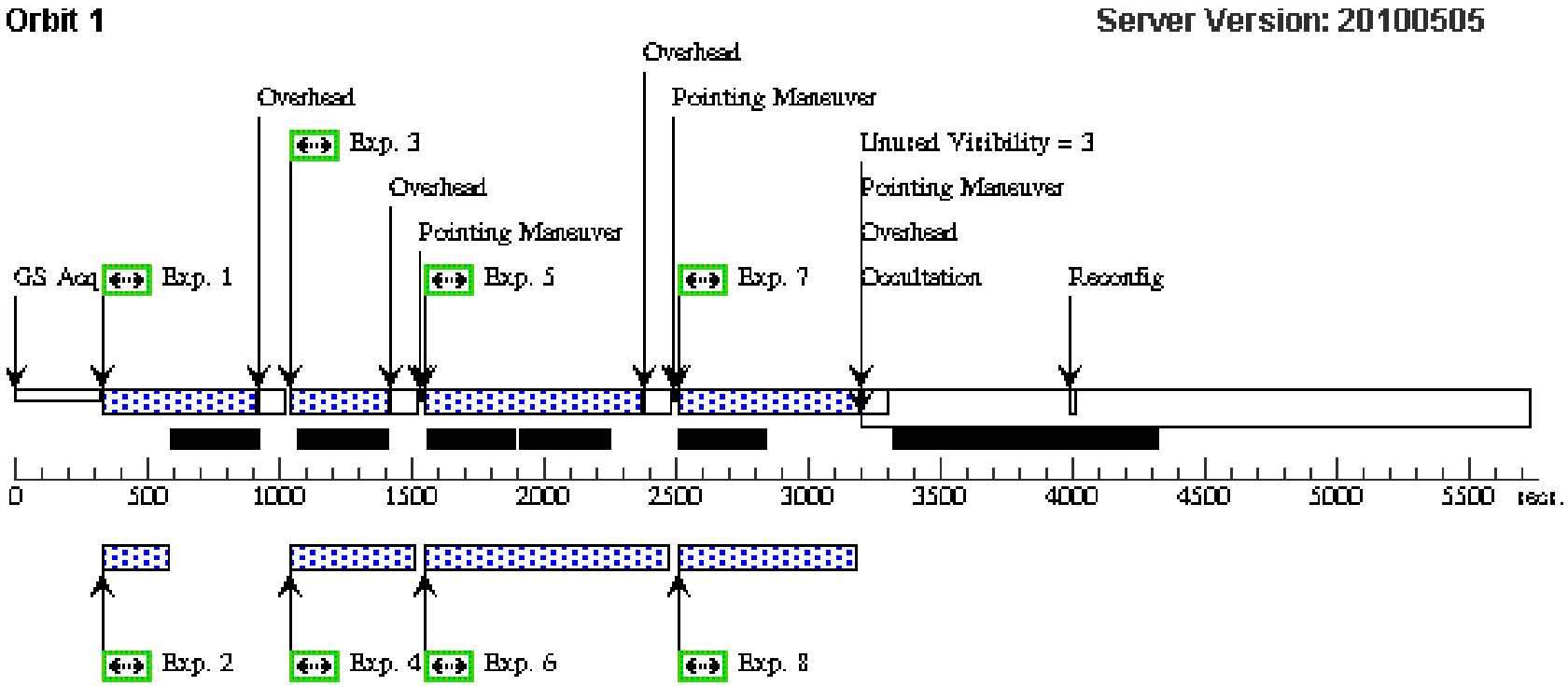
Fixed Targets

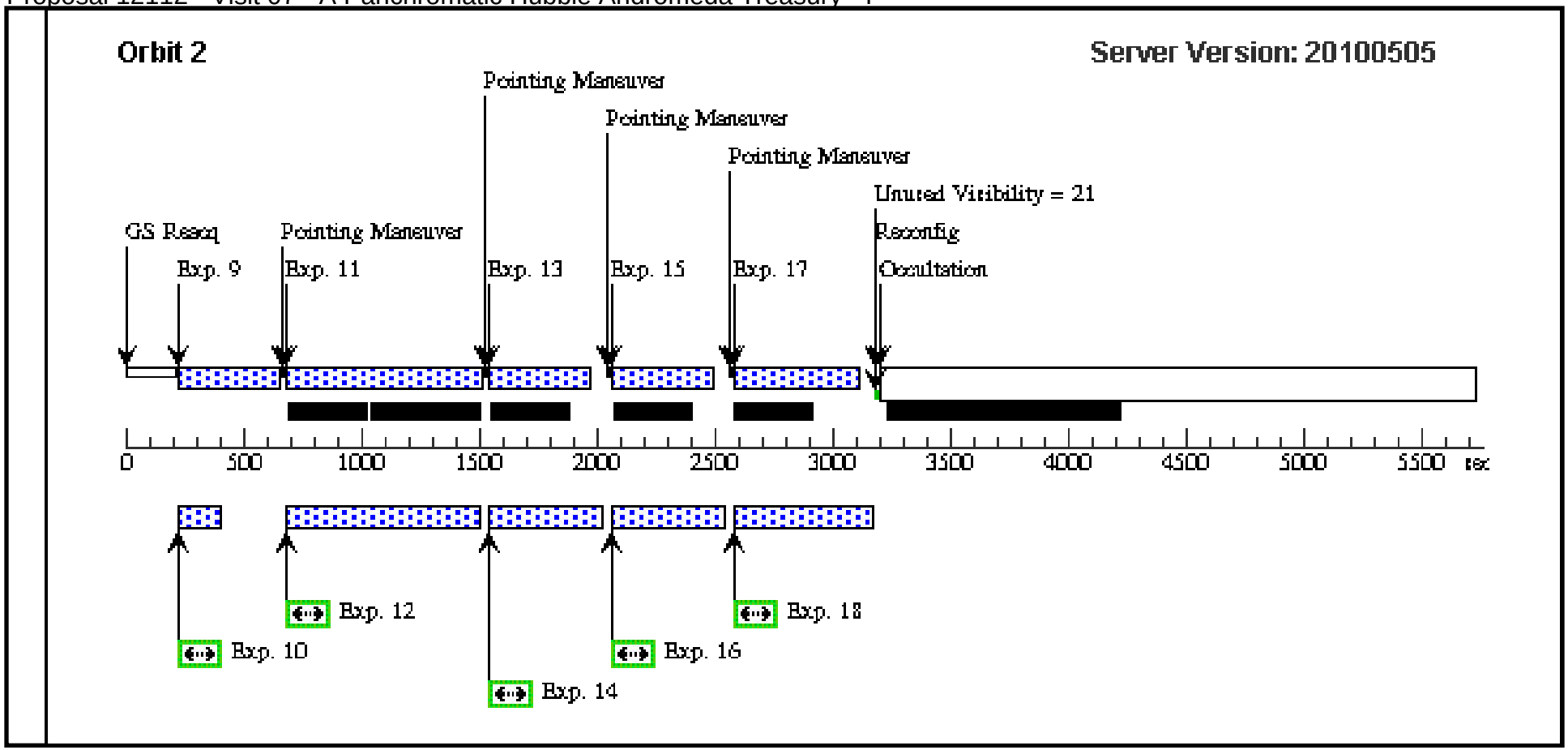
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	M31-B20-F07-IR	RA: 00 47 23.6350 (11.8484792d) Dec: +42 02 13.71 (42.03714d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(20)	M31-B20-F07-UVIS	RA: 00 47 23.6350 (11.8484792d) Dec: +42 02 13.71 (42.03714d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(21)	M31-B20-F10-WFC	RA: 00 47 23.6350 (11.8484792d) Dec: +42 02 13.71 (42.03714d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F07-UVIS-F336W	(20) M31-B20-F07-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F10-WFC-F814W-short	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F07-UVIS-F275W	(20) M31-B20-F07-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F10-WFC-F814W	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F07-UVIS-F336W	(20) M31-B20-F07-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F10-WFC-F814W	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F07-UVIS-F275W	(20) M31-B20-F07-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F10-WFC-F814W	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F07-IR-f160w	(19) M31-B20-F07-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F10-WFC-F475W-short	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F07-IR-f110w	(19) M31-B20-F07-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F10-WFC-F475W	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F07-IR-f160w	(19) M31-B20-F07-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F10-WFC-F475W	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F07-IR-f160w	(19) M31-B20-F07-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F10-WFC-F475W	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F07-IR-f160w	(19) M31-B20-F07-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F10-WFC-F475W	(21) M31-B20-F10-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 21
GS Reacq
Pointing Maneuver
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 08, implementation Sat Aug 28 01:47:41 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 08) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

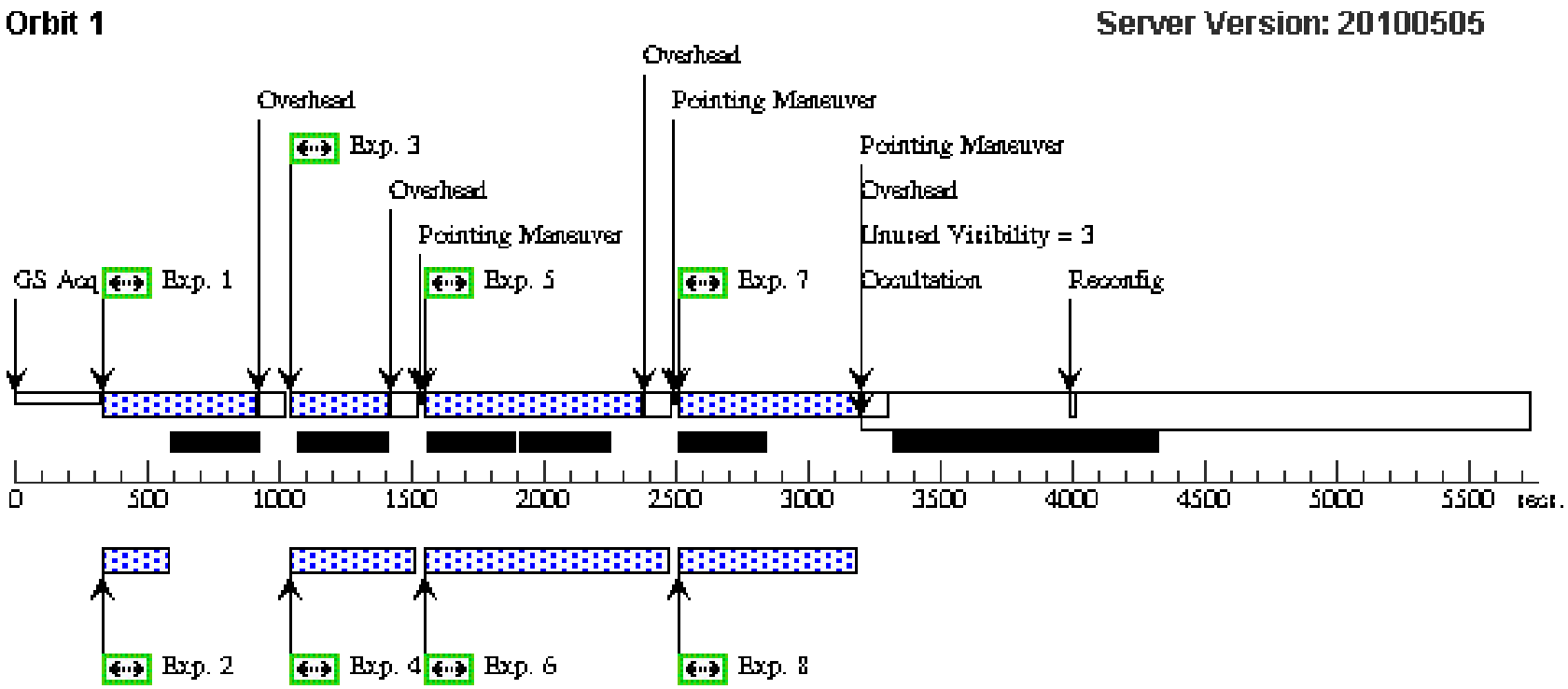
Fixed Targets

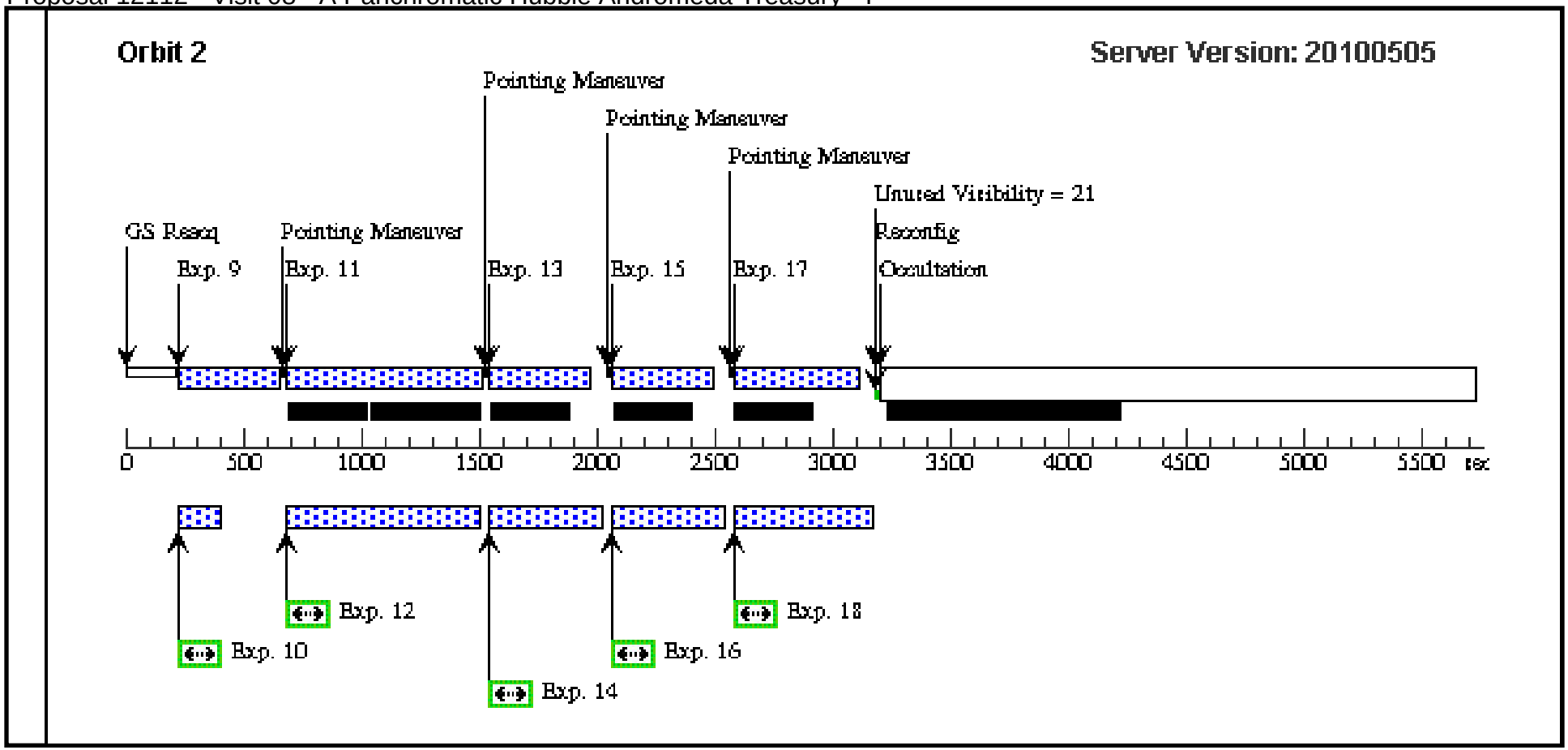
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(22)	M31-B20-F08-IR	RA: 00 47 13.1005 (11.8045854d) Dec: +42 02 32.29 (42.04230d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(23)	M31-B20-F08-UVIS	RA: 00 47 13.1005 (11.8045854d) Dec: +42 02 32.29 (42.04230d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(24)	M31-B20-F11-WFC	RA: 00 47 13.1005 (11.8045854d) Dec: +42 02 32.29 (42.04230d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F08-UVIS-F336W	(23) M31-B20-F08-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F11-WFC-F814W-short	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F08-UVIS-F275W	(23) M31-B20-F08-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F11-WFC-F814W	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F08-UVIS-F336W	(23) M31-B20-F08-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F11-WFC-F814W	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F08-UVIS-F275W	(23) M31-B20-F08-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F11-WFC-F814W	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F08-IR-f160w	(22) M31-B20-F08-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F11-WFC-F475W-short	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F08-IR-f110w	(22) M31-B20-F08-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F11-WFC-F475W	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F08-IR-f160w	(22) M31-B20-F08-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F11-WFC-F475W	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F08-IR-f160w	(22) M31-B20-F08-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F11-WFC-F475W	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F08-IR-f160w	(22) M31-B20-F08-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F11-WFC-F475W	(24) M31-B20-F11-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 21
GS Reacq
Pointing Maneuver
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 09, implementation Sat Aug 28 01:47:41 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 09) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

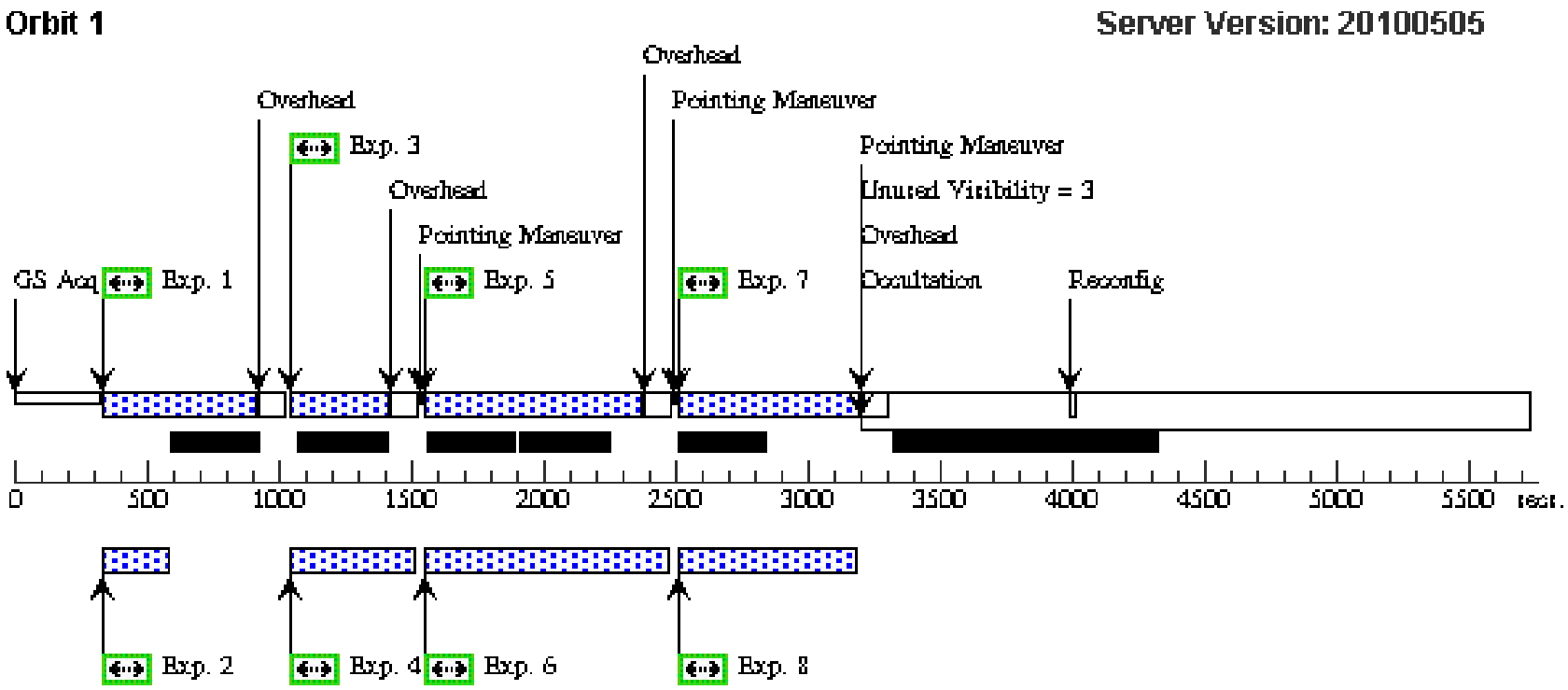
Fixed Targets

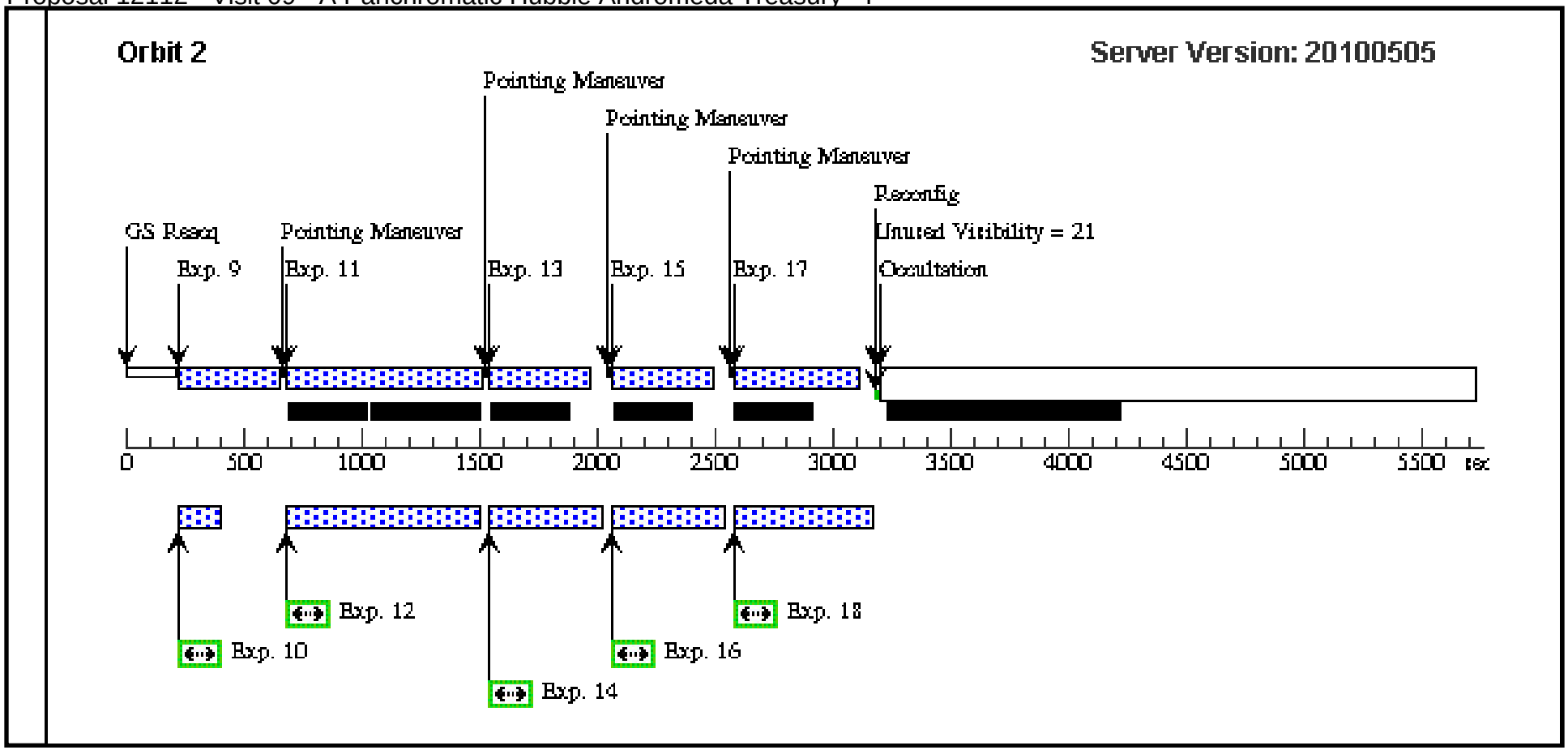
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(25)	M31-B20-F09-IR	RA: 00 47 2.5660 (11.7606917d) Dec: +42 02 50.88 (42.04747d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(26)	M31-B20-F09-UVIS	RA: 00 47 2.5660 (11.7606917d) Dec: +42 02 50.88 (42.04747d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(27)	M31-B20-F12-WFC	RA: 00 47 2.5660 (11.7606917d) Dec: +42 02 50.88 (42.04747d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F09-UVIS-F336W	(26) M31-B20-F09-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F12-WFC-F814W-short	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F09-UVIS-F275W	(26) M31-B20-F09-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F12-WFC-F814W	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F09-UVIS-F336W	(26) M31-B20-F09-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F12-WFC-F814W	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F09-UVIS-F275W	(26) M31-B20-F09-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F12-WFC-F814W	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F09-IR-f160w	(25) M31-B20-F09-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F12-WFC-F475W-short	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F09-IR-f110w	(25) M31-B20-F09-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F12-WFC-F475W	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F09-IR-f160w	(25) M31-B20-F09-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F12-WFC-F475W	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F09-IR-f160w	(25) M31-B20-F09-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F12-WFC-F475W	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F09-IR-f160w	(25) M31-B20-F09-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F12-WFC-F475W	(27) M31-B20-F12-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Reconfig
GS Reacq
Pointing Maneuver
Unused Visibility = 21
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 10, implementation Sat Aug 28 01:47:42 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 10) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 10) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 10) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

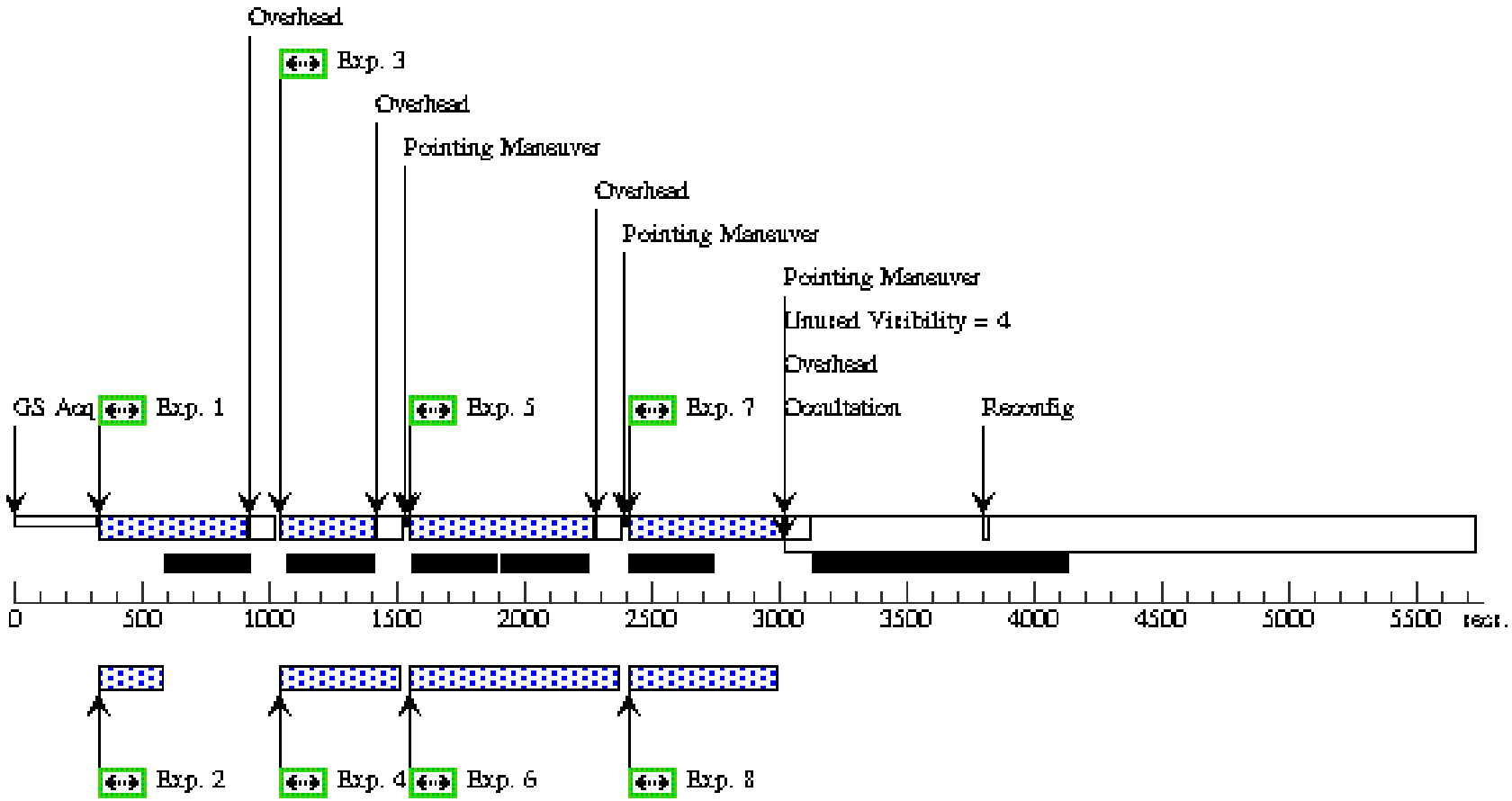
Fixed Targets

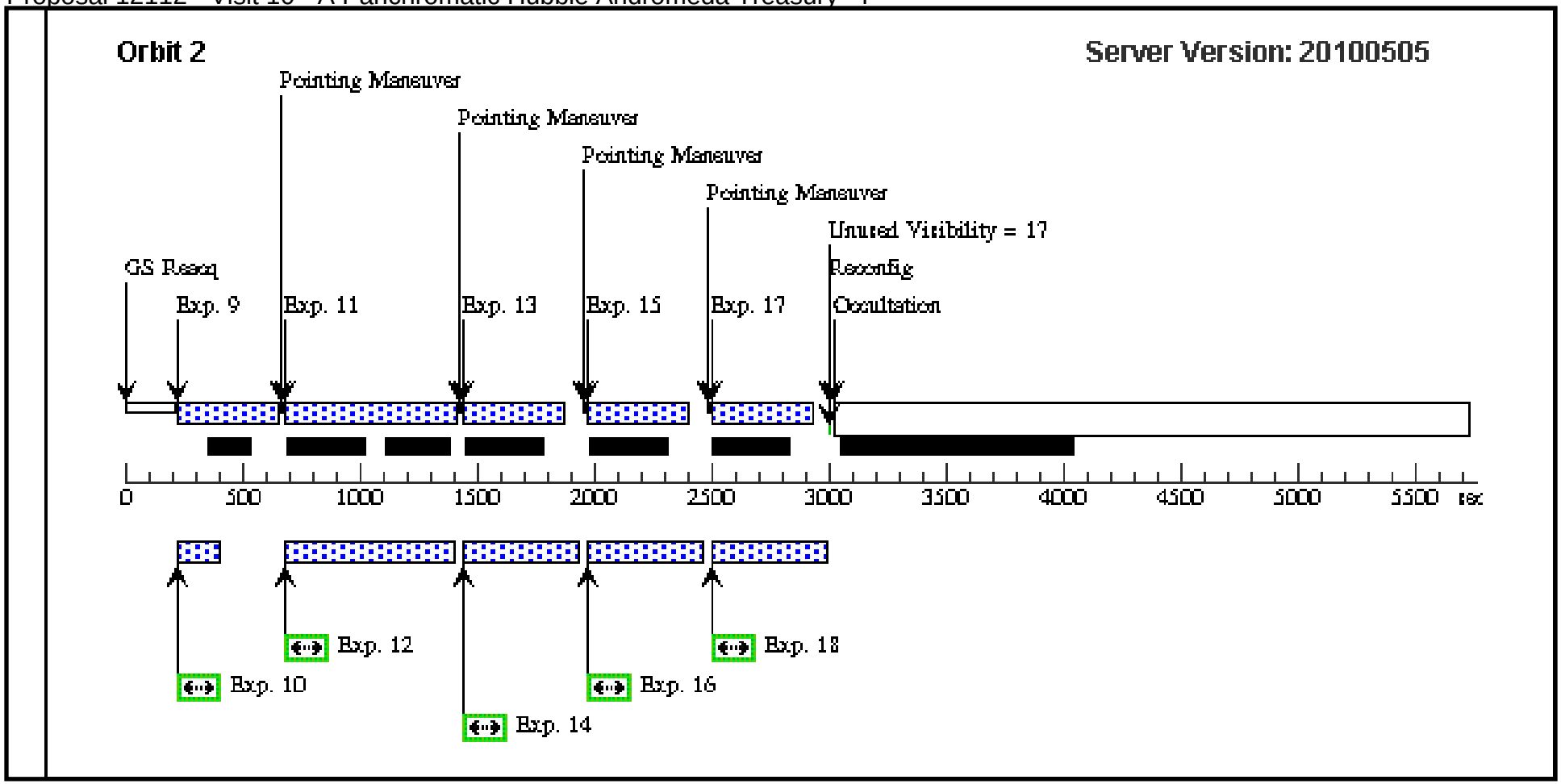
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(28)	M31-B20-F10-IR	RA: 00 46 51.8161 (11.7159004d) Dec: +42 03 9.46 (42.05263d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(29)	M31-B20-F10-UVIS	RA: 00 46 51.8161 (11.7159004d) Dec: +42 03 9.46 (42.05263d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(30)	M31-B20-F07-WFC	RA: 00 46 51.8161 (11.7159004d) Dec: +42 03 9.46 (42.05263d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F10-UVIS-F336W	(29) M31-B20-F10-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F07-WFC-F814W-short	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F10-UVIS-F275W	(29) M31-B20-F10-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F07-WFC-F814W	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F10-UVIS-F336W	(29) M31-B20-F10-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F07-WFC-F814W	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F10-UVIS-F275W	(29) M31-B20-F10-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F07-WFC-F814W	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F10-IR-f160w	(28) M31-B20-F10-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F07-WFC-F475W-short	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F10-IR-f110w	(28) M31-B20-F10-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F07-WFC-F475W	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F10-IR-f160w	(28) M31-B20-F10-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F07-WFC-F475W	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F10-IR-f160w	(28) M31-B20-F10-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F07-WFC-F475W	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F10-IR-f160w	(28) M31-B20-F10-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F07-WFC-F475W	(30) M31-B20-F07-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 17
GS Reacq
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 11, implementation Sat Aug 28 01:47:43 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 11) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 11) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 11) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

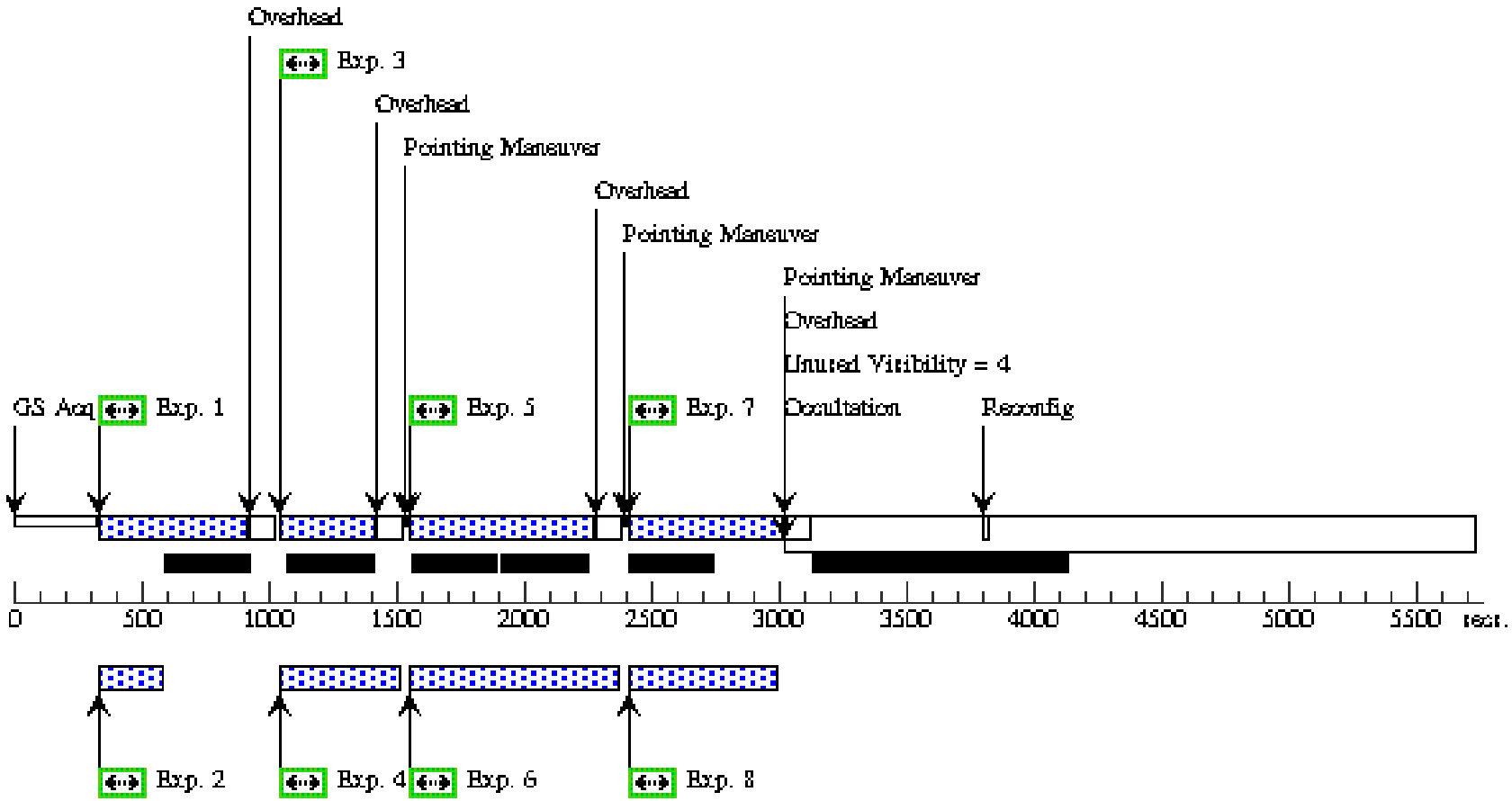
Fixed Targets

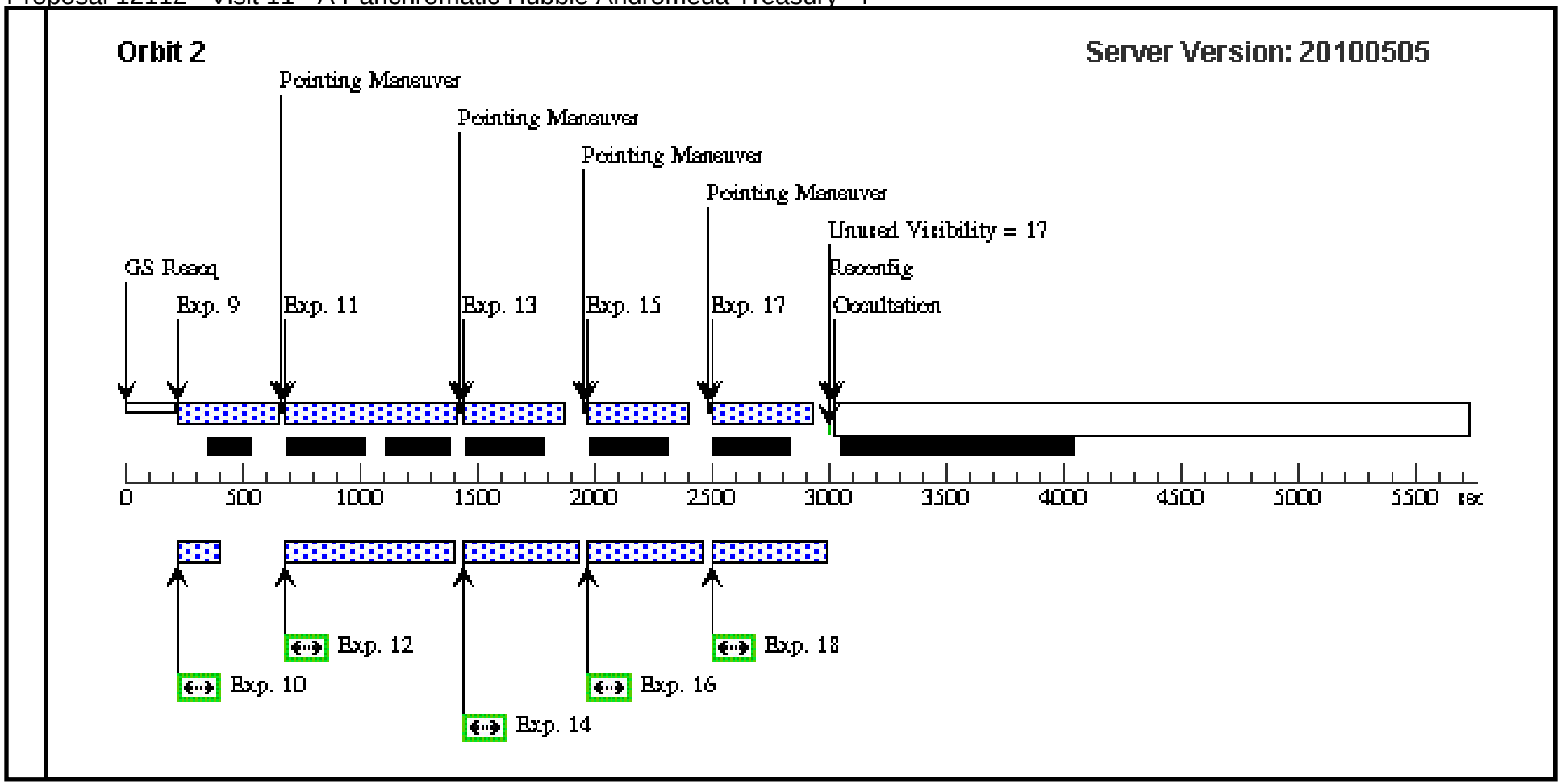
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(31)	M31-B20-F11-IR	RA: 00 46 41.2816 (11.6720067d) Dec: +42 03 28.05 (42.05779d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(32)	M31-B20-F11-UVIS	RA: 00 46 41.2816 (11.6720067d) Dec: +42 03 28.05 (42.05779d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(33)	M31-B20-F08-WFC	RA: 00 46 41.2816 (11.6720067d) Dec: +42 03 28.05 (42.05779d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F11-UVIS-F336W	(32) M31-B20-F11-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F08-WFC-F814W-short	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F11-UVIS-F275W	(32) M31-B20-F11-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F08-WFC-F814W	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F11-UVIS-F336W	(32) M31-B20-F11-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F08-WFC-F814W	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F11-UVIS-F275W	(32) M31-B20-F11-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F08-WFC-F814W	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F11-IR-f160w	(31) M31-B20-F11-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F08-WFC-F475W-short	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F11-IR-f110w	(31) M31-B20-F11-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F08-WFC-F475W	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F11-IR-f160w	(31) M31-B20-F11-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F08-WFC-F475W	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F11-IR-f160w	(31) M31-B20-F11-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F08-WFC-F475W	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F11-IR-f160w	(31) M31-B20-F11-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F08-WFC-F475W	(33) M31-B20-F08-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 17
GS Reacq
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 12, implementation Sat Aug 28 01:47:44 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 12) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 12) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 12) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

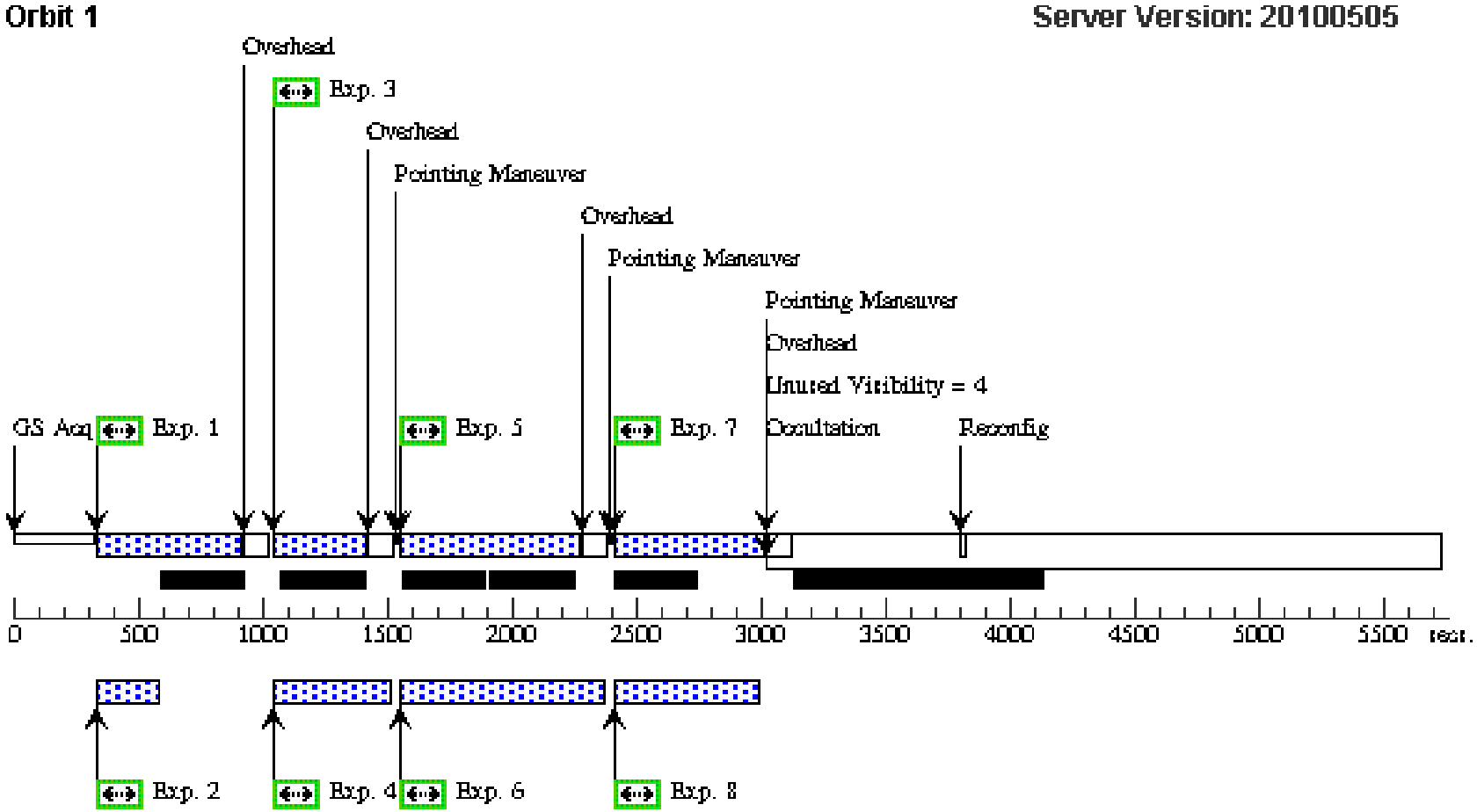
Fixed Targets

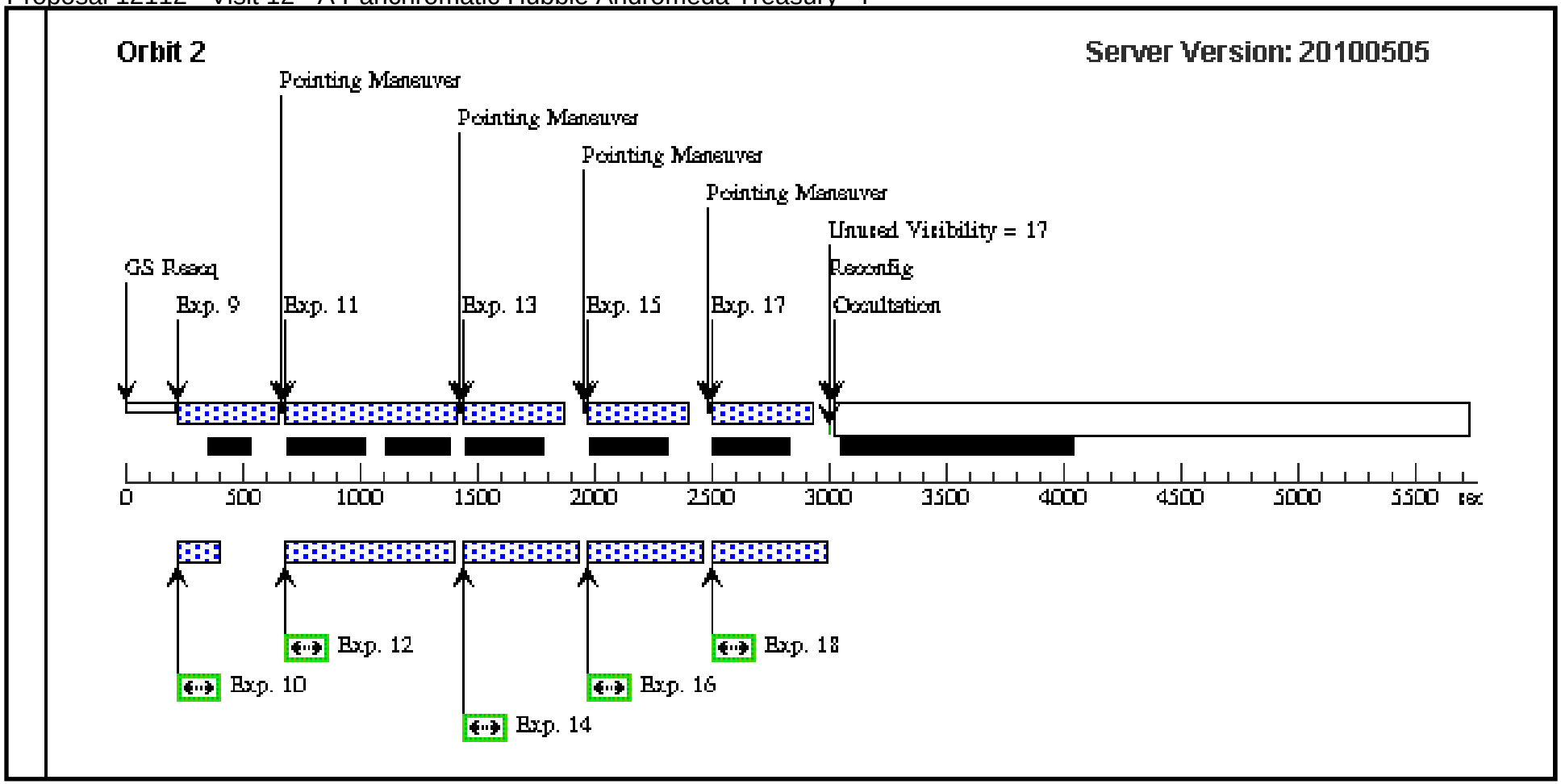
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(34)	M31-B20-F12-IR	RA: 00 46 30.7471 (11.6281129d) Dec: +42 03 46.63 (42.06295d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(35)	M31-B20-F12-UVIS	RA: 00 46 30.7471 (11.6281129d) Dec: +42 03 46.63 (42.06295d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(36)	M31-B20-F09-WFC	RA: 00 46 30.7471 (11.6281129d) Dec: +42 03 46.63 (42.06295d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F12-UVIS-F336W	(35) M31-B20-F12-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F09-WFC-F814W-short	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F12-UVIS-F275W	(35) M31-B20-F12-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F09-WFC-F814W	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F12-UVIS-F336W	(35) M31-B20-F12-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F09-WFC-F814W	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F12-UVIS-F275W	(35) M31-B20-F12-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F09-WFC-F814W	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F12-IR-f160w	(34) M31-B20-F12-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F09-WFC-F475W-short	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F12-IR-f110w	(34) M31-B20-F12-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F09-WFC-F475W	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F12-IR-f160w	(34) M31-B20-F12-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F09-WFC-F475W	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F12-IR-f160w	(34) M31-B20-F12-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F09-WFC-F475W	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F12-IR-f160w	(34) M31-B20-F12-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F09-WFC-F475W	(36) M31-B20-F09-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 17
GS Reacq
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 13, implementation Sat Aug 28 01:47:46 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 13) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

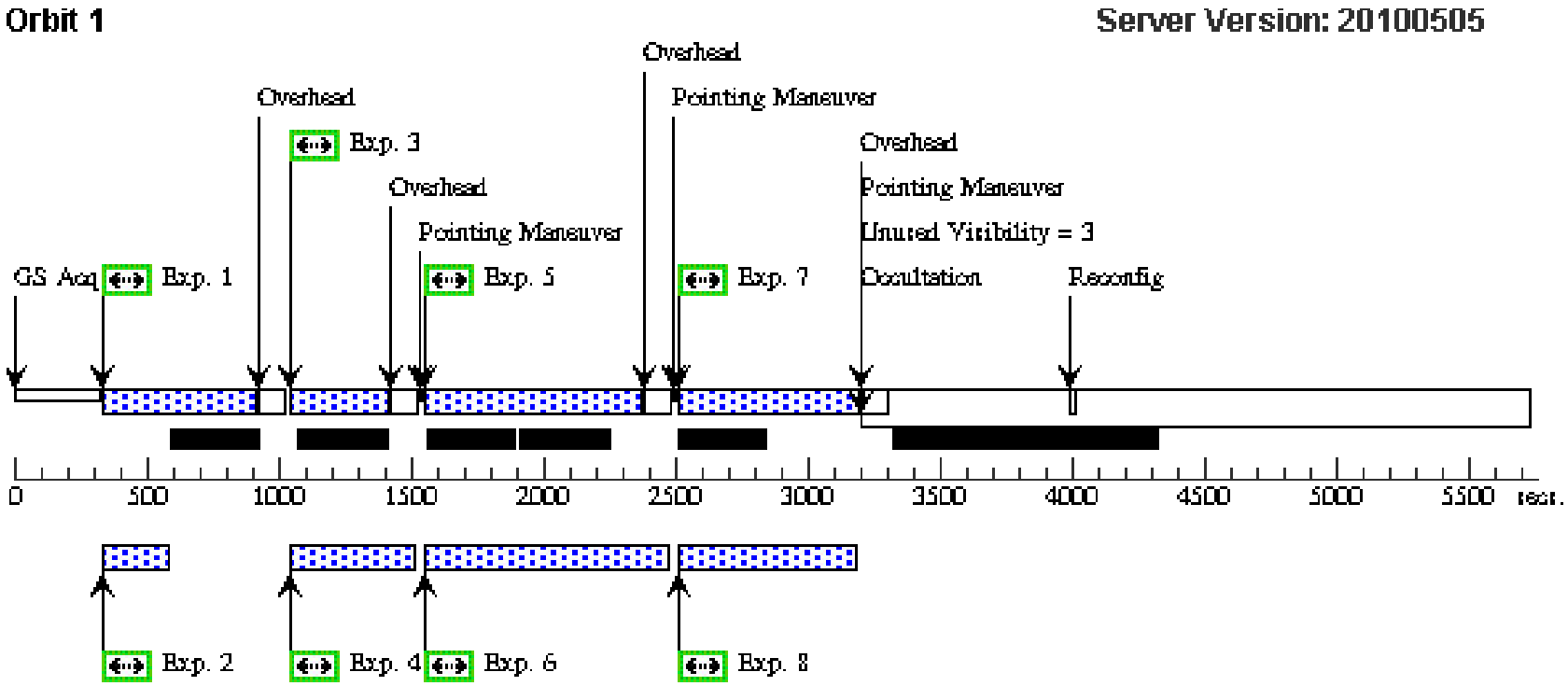
Fixed Targets

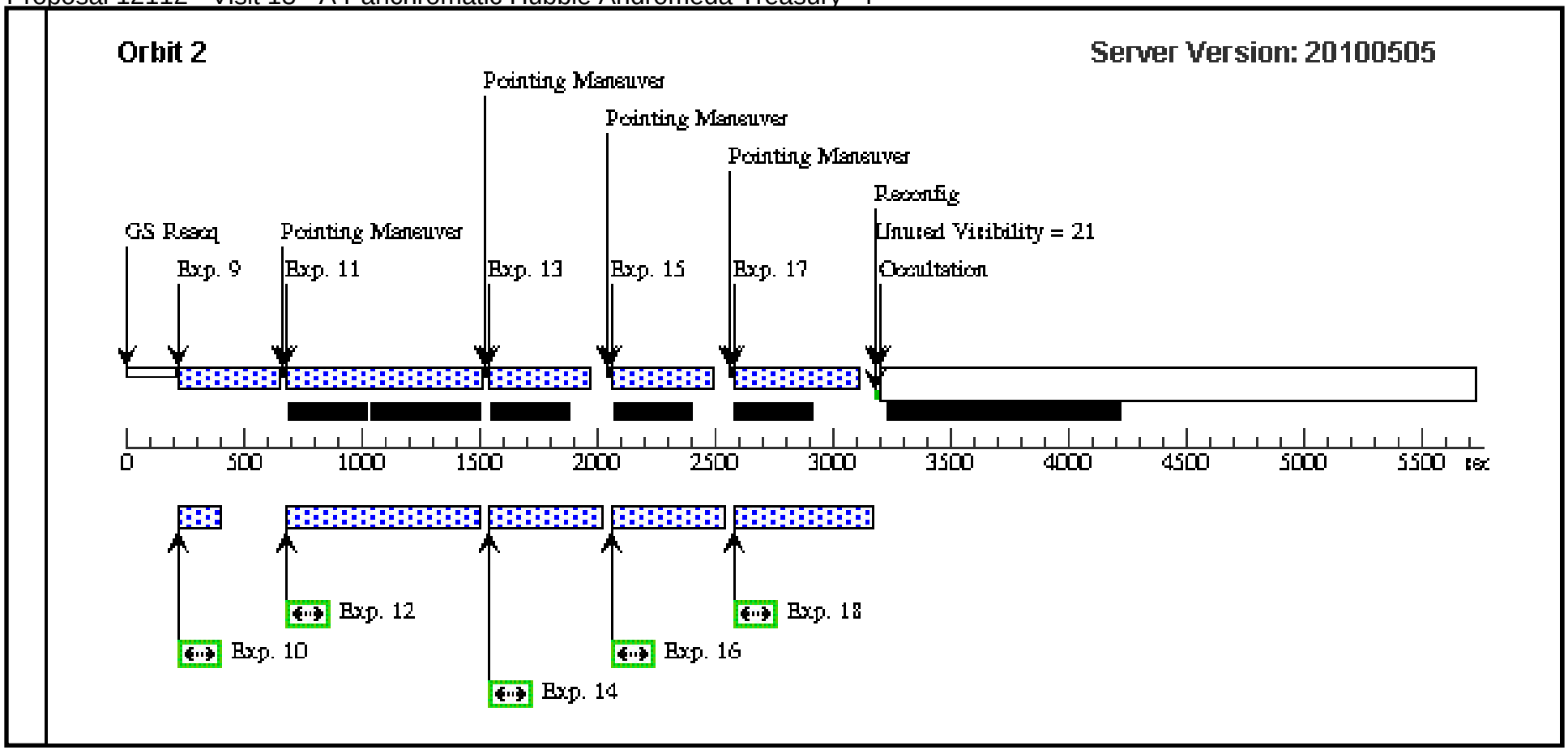
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(37)	M31-B20-F13-IR	RA: 00 47 21.7558 (11.8406492d) Dec: +42 00 1.56 (42.00043d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(38)	M31-B20-F13-UVIS	RA: 00 47 21.7558 (11.8406492d) Dec: +42 00 1.56 (42.00043d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(39)	M31-B20-F16-WFC	RA: 00 47 21.7558 (11.8406492d) Dec: +42 00 1.56 (42.00043d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F13-UVIS-F336W	(38) M31-B20-F13-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F16-WFC-F814W-short	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F13-UVIS-F275W	(38) M31-B20-F13-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F16-WFC-F814W	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F13-UVIS-F336W	(38) M31-B20-F13-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F16-WFC-F814W	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F13-UVIS-F275W	(38) M31-B20-F13-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F16-WFC-F814W	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F13-IR-f160w	(37) M31-B20-F13-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F16-WFC-F475W-short	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F13-IR-f110w	(37) M31-B20-F13-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F16-WFC-F475W	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F13-IR-f160w	(37) M31-B20-F13-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F16-WFC-F475W	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F13-IR-f160w	(37) M31-B20-F13-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F16-WFC-F475W	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F13-IR-f160w	(37) M31-B20-F13-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F16-WFC-F475W	(39) M31-B20-F16-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Reconfig
GS Reacq
Pointing Maneuver
Unused Visibility = 21
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 14, implementation Sat Aug 28 01:47:46 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 14) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

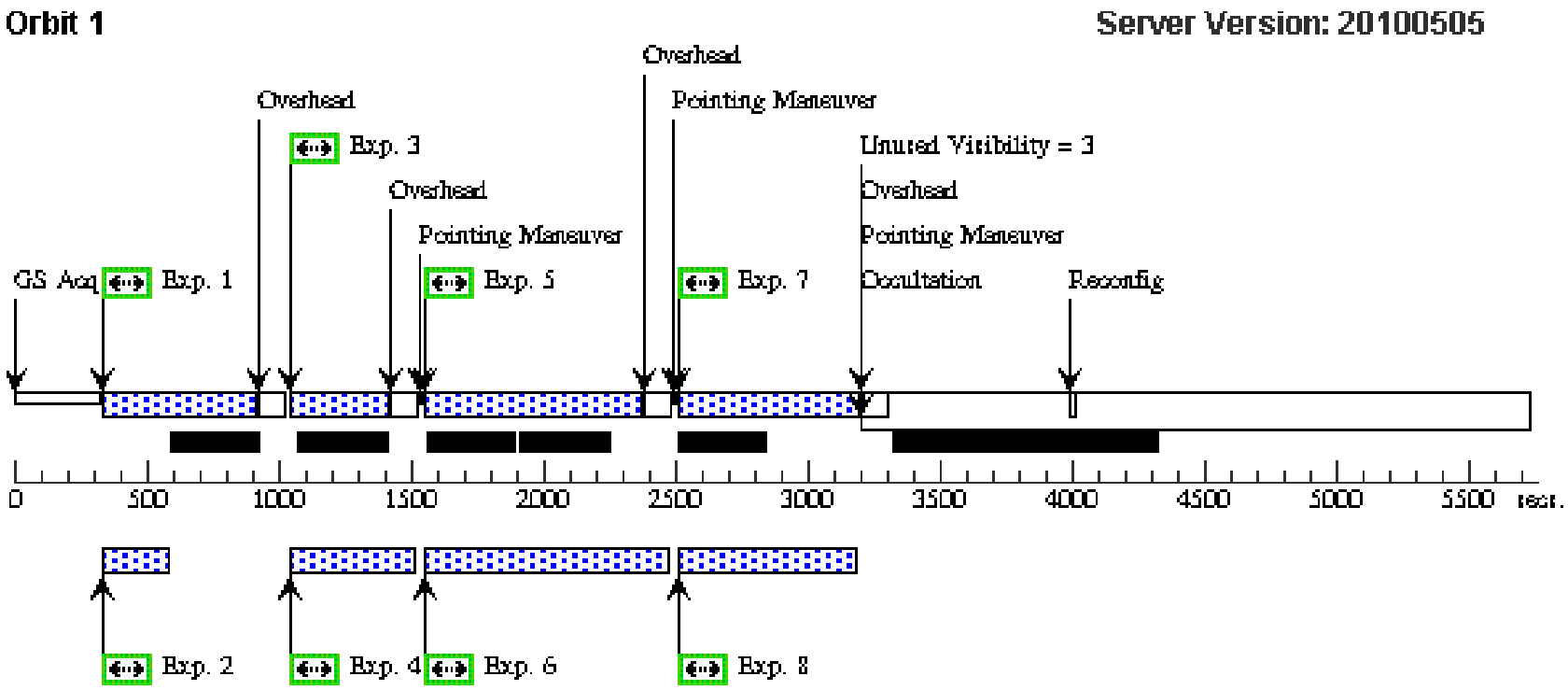
Fixed Targets

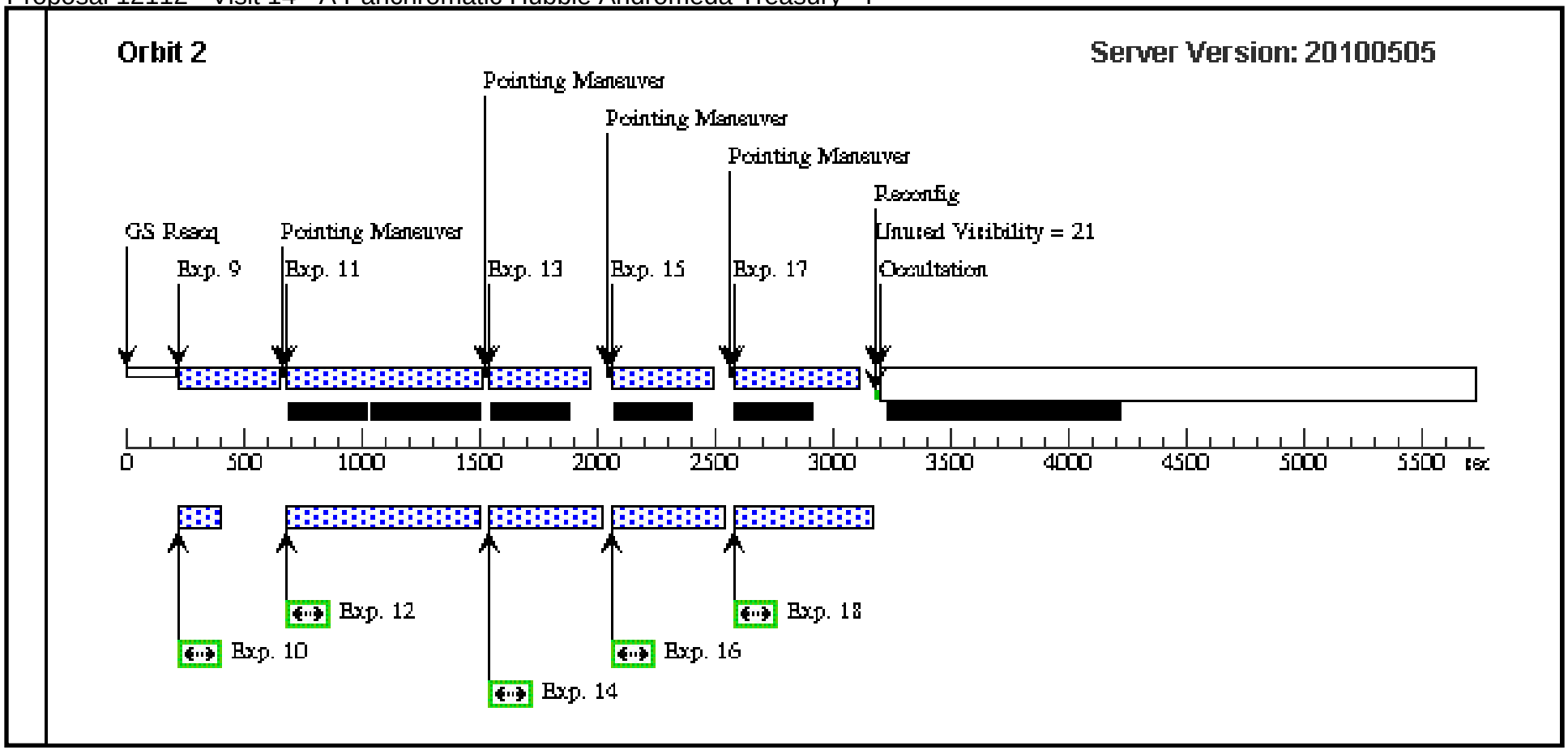
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(40)	M31-B20-F14-IR	RA: 00 47 11.2214 (11.7967558d) Dec: +42 00 20.14 (42.00559d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(41)	M31-B20-F14-UVIS	RA: 00 47 11.2214 (11.7967558d) Dec: +42 00 20.14 (42.00559d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(42)	M31-B20-F17-WFC	RA: 00 47 11.2214 (11.7967558d) Dec: +42 00 20.14 (42.00559d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F14-UVIS-F336W	(41) M31-B20-F14-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F17-WFC-F814W-short	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F14-UVIS-F275W	(41) M31-B20-F14-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F17-WFC-F814W	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F14-UVIS-F336W	(41) M31-B20-F14-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F17-WFC-F814W	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F14-UVIS-F275W	(41) M31-B20-F14-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F17-WFC-F814W	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F14-IR-f160w	(40) M31-B20-F14-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F17-WFC-F475W-short	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F14-IR-f110w	(40) M31-B20-F14-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F17-WFC-F475W	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F14-IR-f160w	(40) M31-B20-F14-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F17-WFC-F475W	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F14-IR-f160w	(40) M31-B20-F14-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F17-WFC-F475W	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F14-IR-f160w	(40) M31-B20-F14-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F17-WFC-F475W	(42) M31-B20-F17-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Reconfig
GS Reacq
Pointing Maneuver
Unused Visibility = 21
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 15, implementation Sat Aug 28 01:47:47 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 60%; ORIENT 54D TO 54 D

Diagnostics

(Visit 15) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

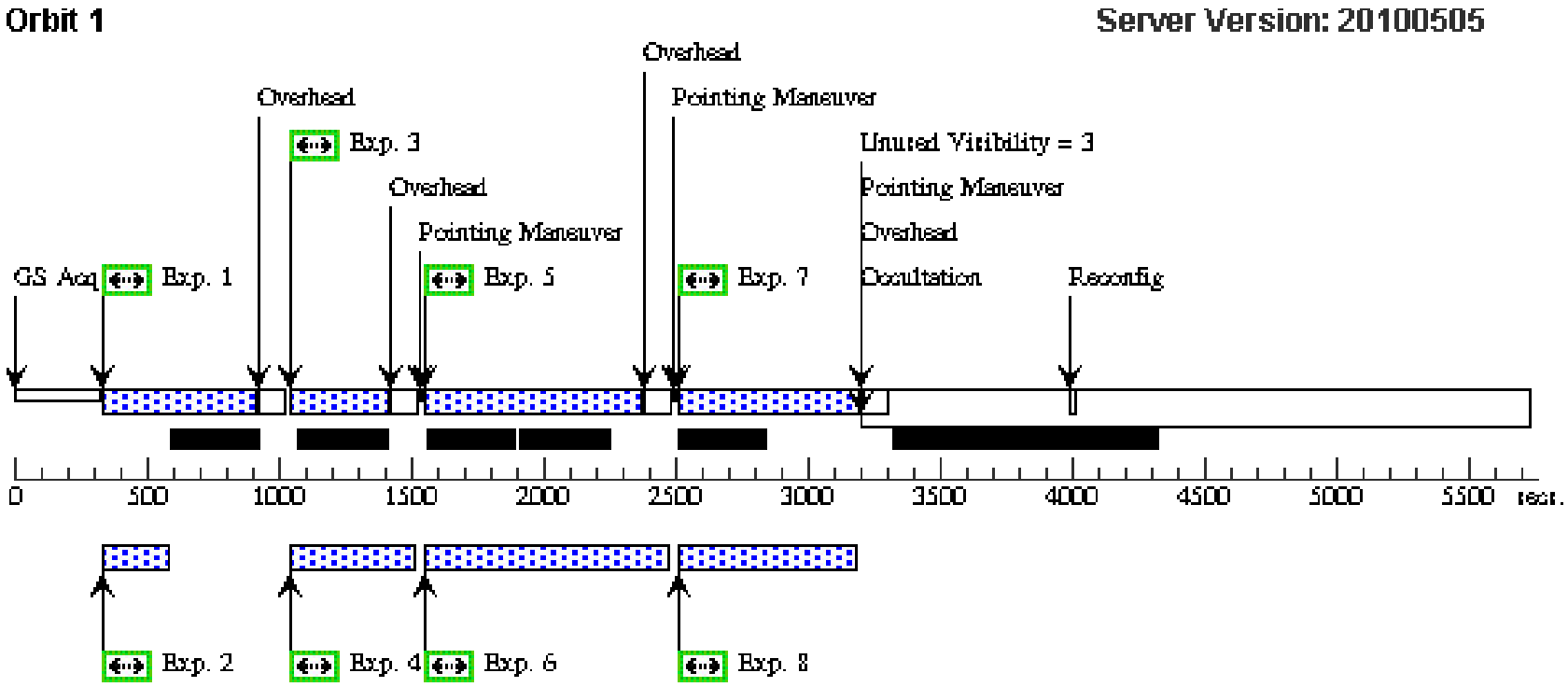
Fixed Targets

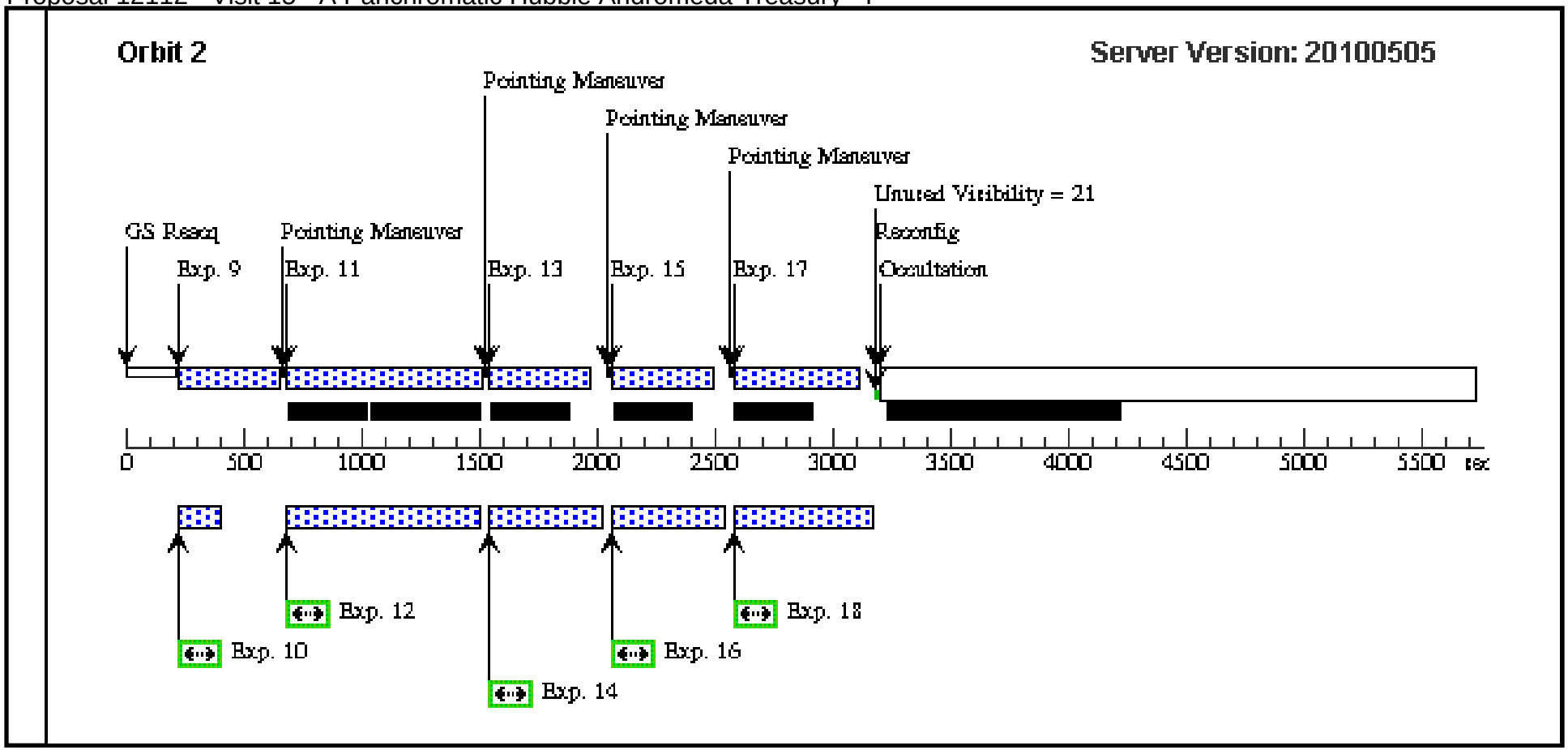
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(43)	M31-B20-F15-IR	RA: 00 47 0.6869 (11.7528621d) Dec: +42 00 38.72 (42.01076d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(44)	M31-B20-F15-UVIS	RA: 00 47 0.6869 (11.7528621d) Dec: +42 00 38.72 (42.01076d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(45)	M31-B20-F18-WFC	RA: 00 47 0.6869 (11.7528621d) Dec: +42 00 38.72 (42.01076d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F15-UVIS-F336W	(44) M31-B20-F15-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F18-WFC-F814W-short	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F15-UVIS-F275W	(44) M31-B20-F15-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F18-WFC-F814W	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F15-UVIS-F336W	(44) M31-B20-F15-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
6	M31-B20-F18-WFC-F814W	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	800 Secs *[==>]*	*[1]*
7	M31-B20-F15-UVIS-F275W	(44) M31-B20-F15-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	660 Secs *[==>]*	*[1]*
8	M31-B20-F18-WFC-F814W	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	550 Secs *[==>]*	*[1]*
9	M31-B20-F15-IR-f160w	(43) M31-B20-F15-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F18-WFC-F475W-short	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F15-IR-f110w	(43) M31-B20-F15-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=STEP200	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F18-WFC-F475W	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	700 Secs *[==>]*	*[2]*
13	M31-B20-F15-IR-f160w	(43) M31-B20-F15-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F18-WFC-F475W	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	360 Secs *[==>]*	*[2]*
15	M31-B20-F15-IR-f160w	(43) M31-B20-F15-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F18-WFC-F475W	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	360 Secs *[==>]*	*[2]*
17	M31-B20-F15-IR-f160w	(43) M31-B20-F15-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=11; SAMP-SEQ=STEP100	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F18-WFC-F475W	(45) M31-B20-F18-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	470 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 21
GS Reacq
Pointing Maneuver
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 16, implementation Sat Aug 28 01:47:47 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 16) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 16) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 16) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

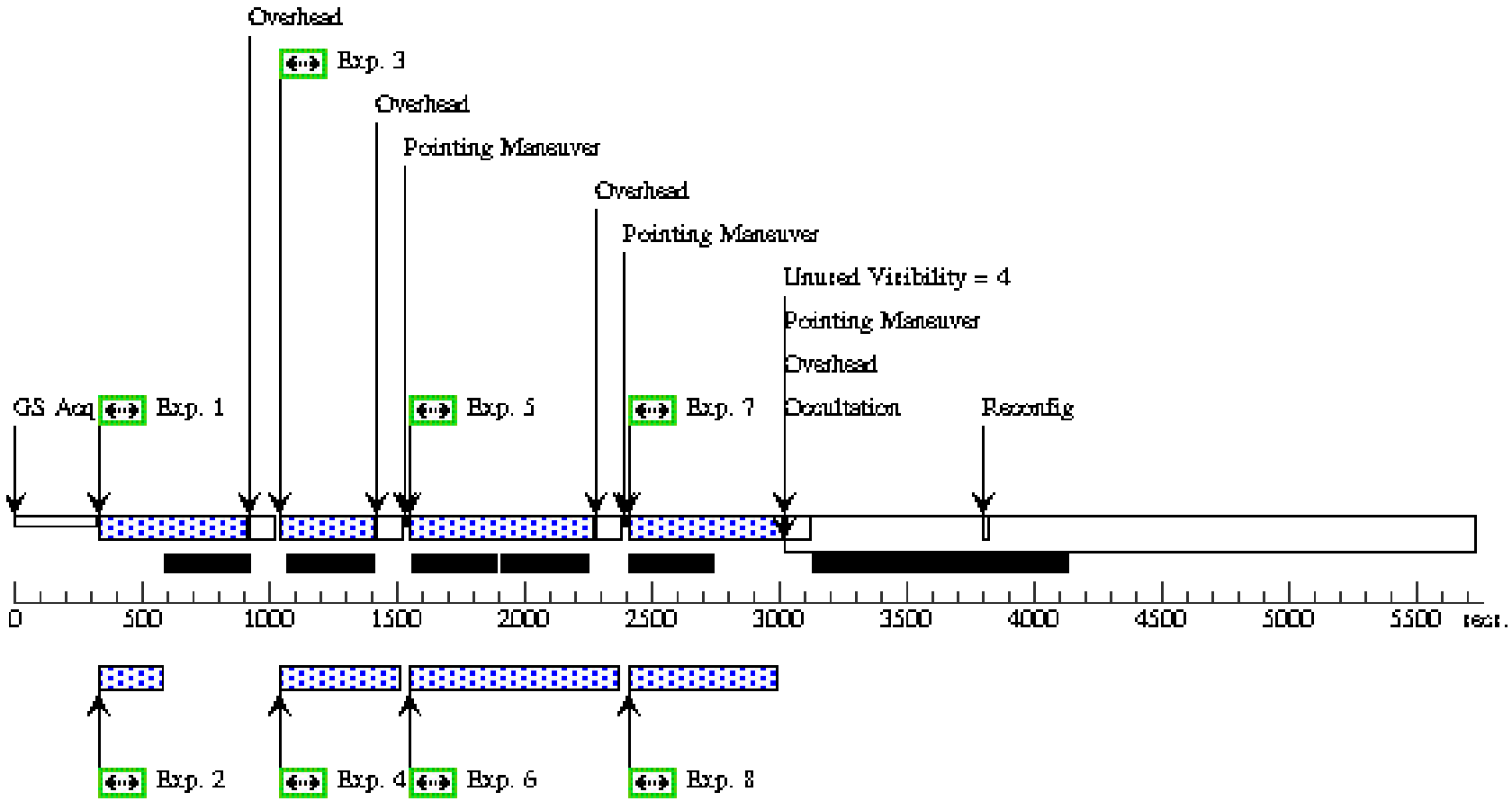
Fixed Targets

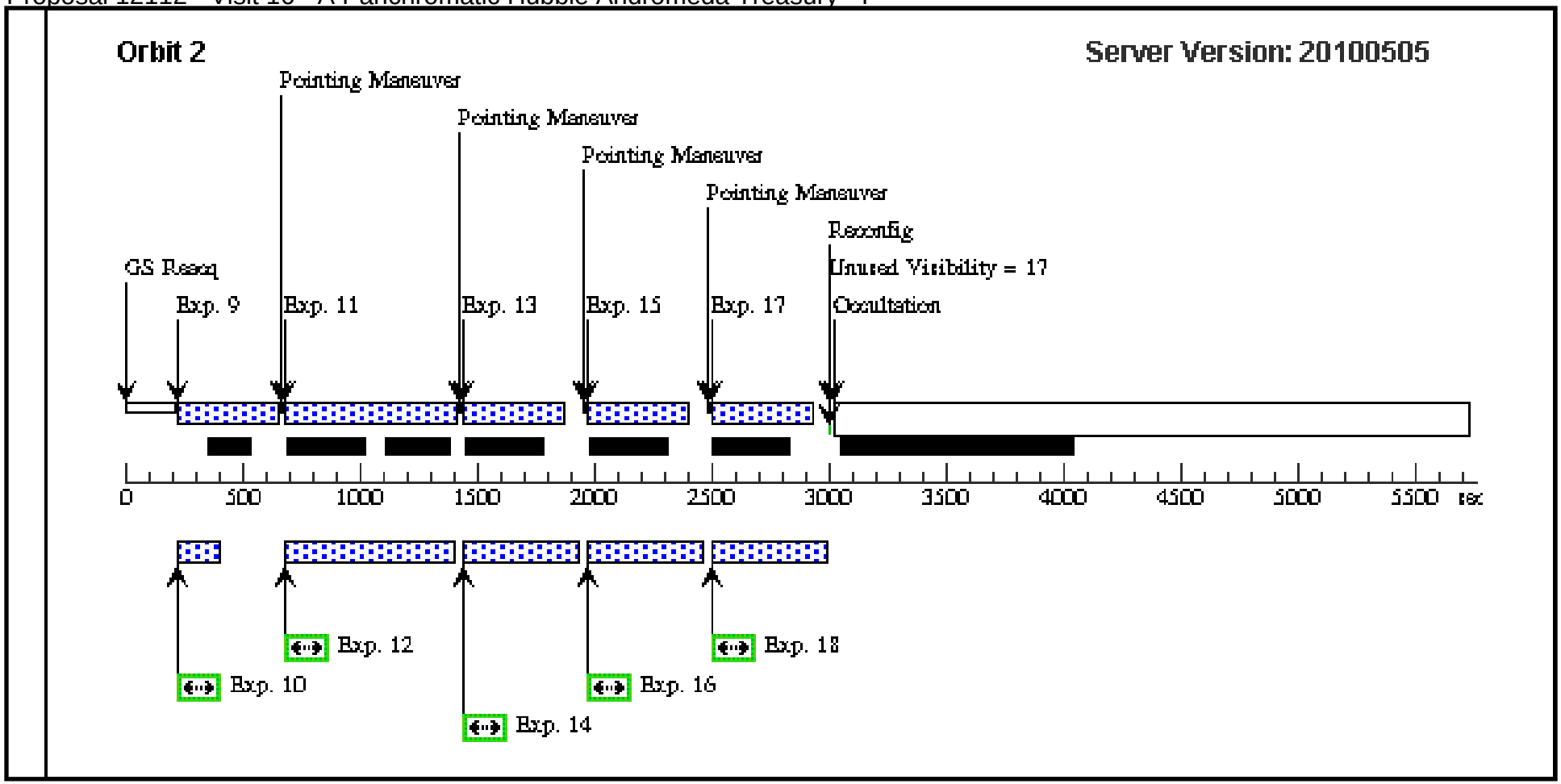
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(46)	M31-B20-F16-IR	RA: 00 46 49.9369 (11.7080704d) Dec: +42 00 57.31 (42.01592d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(47)	M31-B20-F16-UVIS	RA: 00 46 49.9369 (11.7080704d) Dec: +42 00 57.31 (42.01592d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(48)	M31-B20-F13-WFC	RA: 00 46 49.9369 (11.7080704d) Dec: +42 00 57.31 (42.01592d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F16-UVIS-F336W	(47) M31-B20-F16-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F13-WFC-F814W-short	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F16-UVIS-F275W	(47) M31-B20-F16-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F13-WFC-F814W	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F16-UVIS-F336W	(47) M31-B20-F16-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F13-WFC-F814W	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F16-UVIS-F275W	(47) M31-B20-F16-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F13-WFC-F814W	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F16-IR-f160w	(46) M31-B20-F16-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F13-WFC-F475W-short	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F16-IR-f110w	(46) M31-B20-F16-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F13-WFC-F475W	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F16-IR-f160w	(46) M31-B20-F16-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F13-WFC-F475W	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F16-IR-f160w	(46) M31-B20-F16-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F13-WFC-F475W	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F16-IR-f160w	(46) M31-B20-F16-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F13-WFC-F475W	(48) M31-B20-F13-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Reconfig
GS Reacq
Unused Visibility = 17
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 17, implementation Sat Aug 28 01:47:48 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 17) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 17) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 17) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

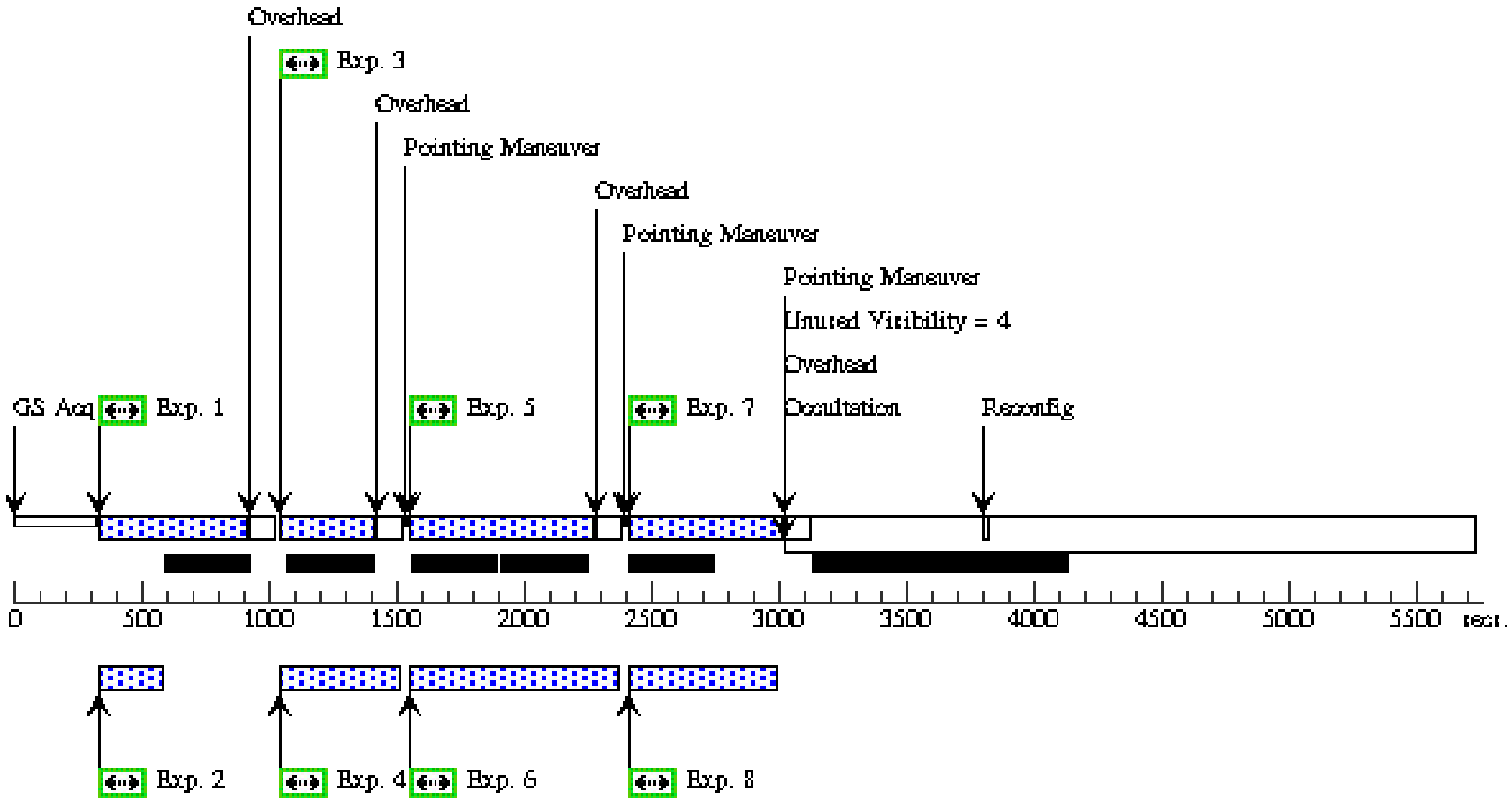
Fixed Targets

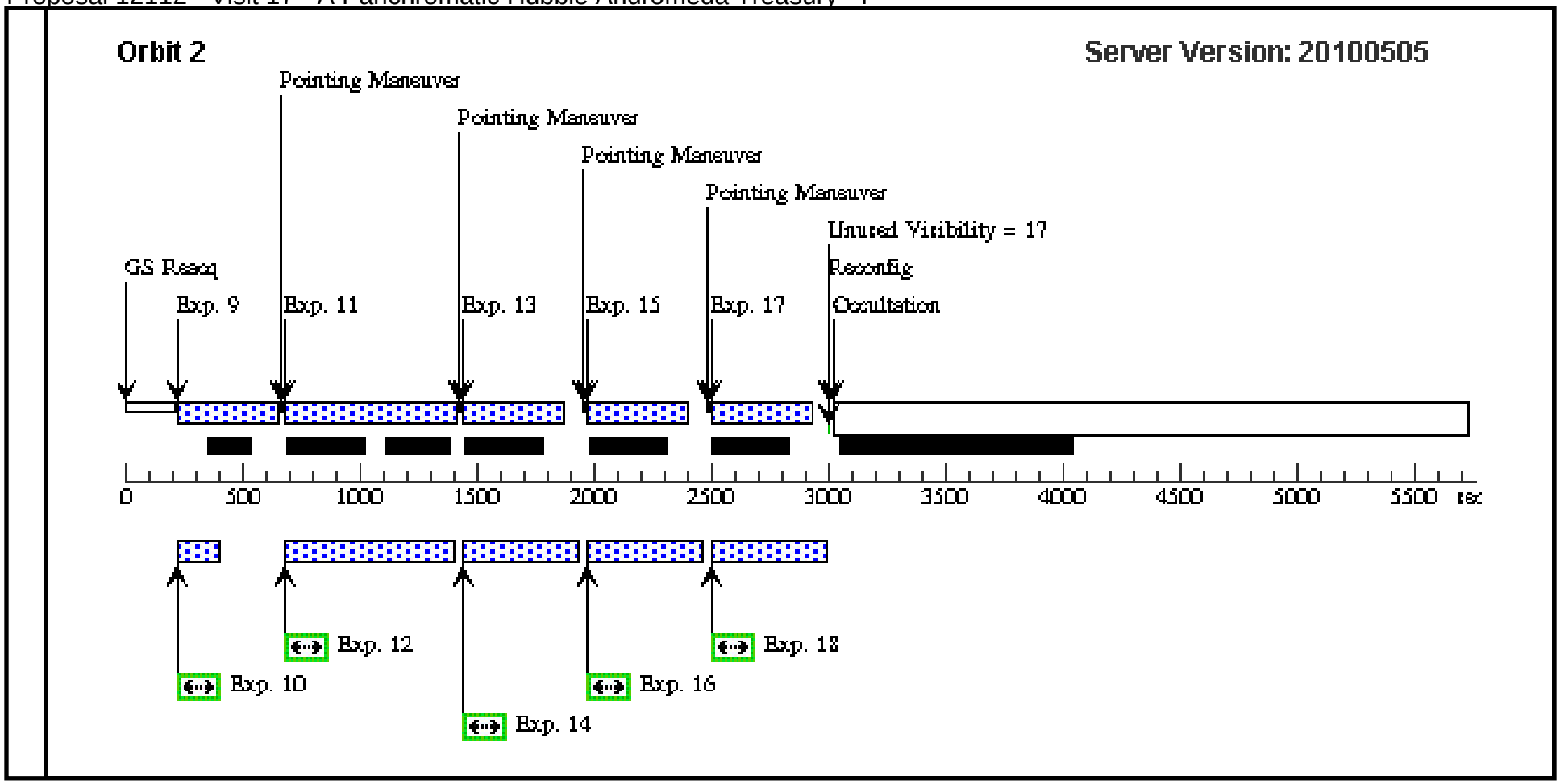
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(49)	M31-B20-F17-IR	RA: 00 46 39.4024 (11.6641767d) Dec: +42 01 15.89 (42.02108d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(50)	M31-B20-F17-UVIS	RA: 00 46 39.4024 (11.6641767d) Dec: +42 01 15.89 (42.02108d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(51)	M31-B20-F14-WFC	RA: 00 46 39.4024 (11.6641767d) Dec: +42 01 15.89 (42.02108d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F17-UVIS-F336W	(50) M31-B20-F17-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F14-WFC-F814W-short	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F17-UVIS-F275W	(50) M31-B20-F17-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F14-WFC-F814W	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F17-UVIS-F336W	(50) M31-B20-F17-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F14-WFC-F814W	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F17-UVIS-F275W	(50) M31-B20-F17-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F14-WFC-F814W	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F17-IR-f160w	(49) M31-B20-F17-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F14-WFC-F475W-short	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F17-IR-f110w	(49) M31-B20-F17-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F14-WFC-F475W	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F17-IR-f160w	(49) M31-B20-F17-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F14-WFC-F475W	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F17-IR-f160w	(49) M31-B20-F17-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F14-WFC-F475W	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F17-IR-f160w	(49) M31-B20-F17-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F14-WFC-F475W	(51) M31-B20-F14-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Unused Visibility = 17
GS Reacq
Reconfig
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14

Visit

Proposal 12112, Visit 18, implementation Sat Aug 28 01:47:49 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, ACS/WFC, WFC3/UVIS

Special Requirements: SCHED 100%; ORIENT 234D TO 234 D

Diagnostics

(Visit 18) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 18) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

(Visit 18) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME

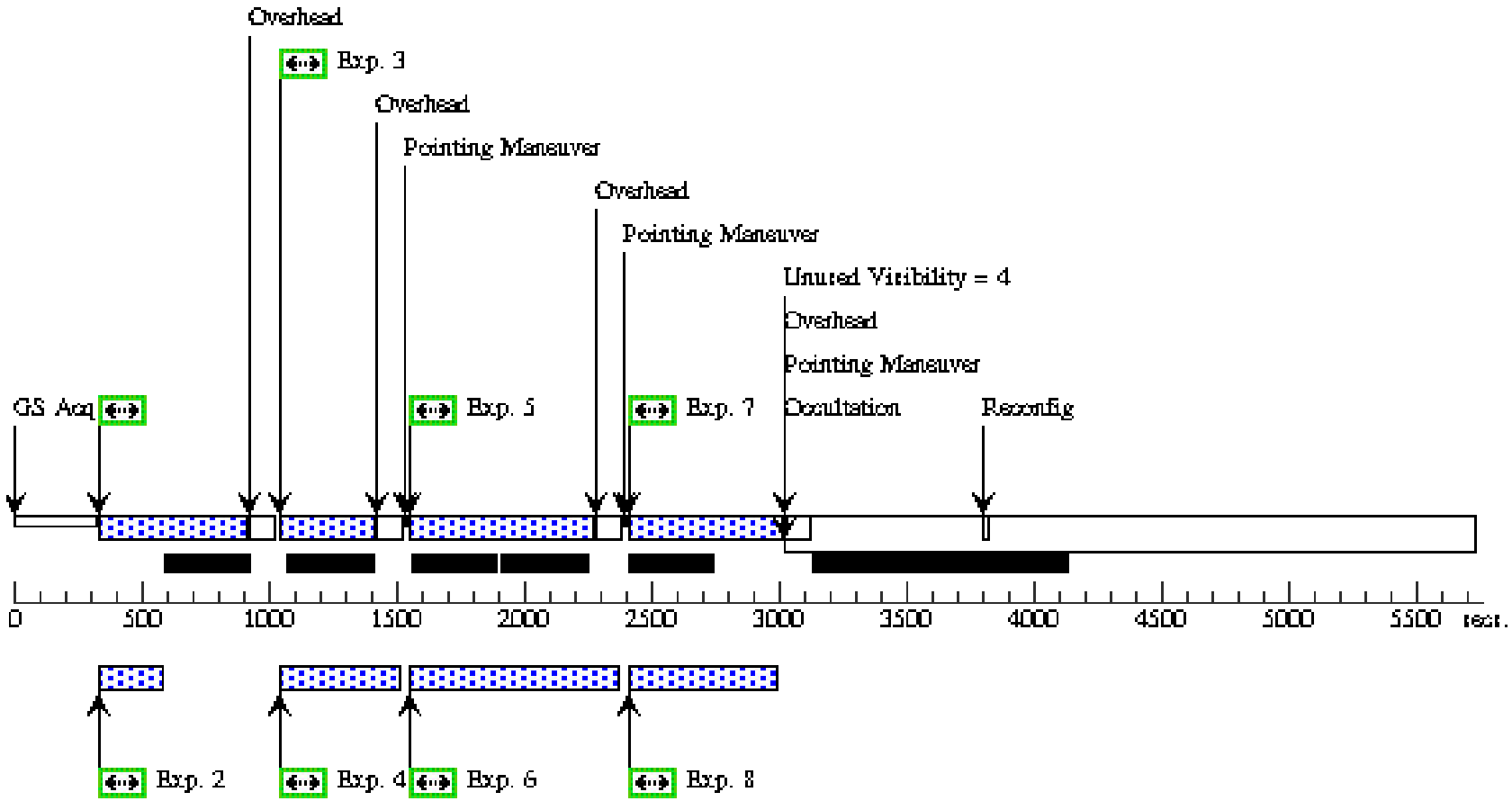
Fixed Targets

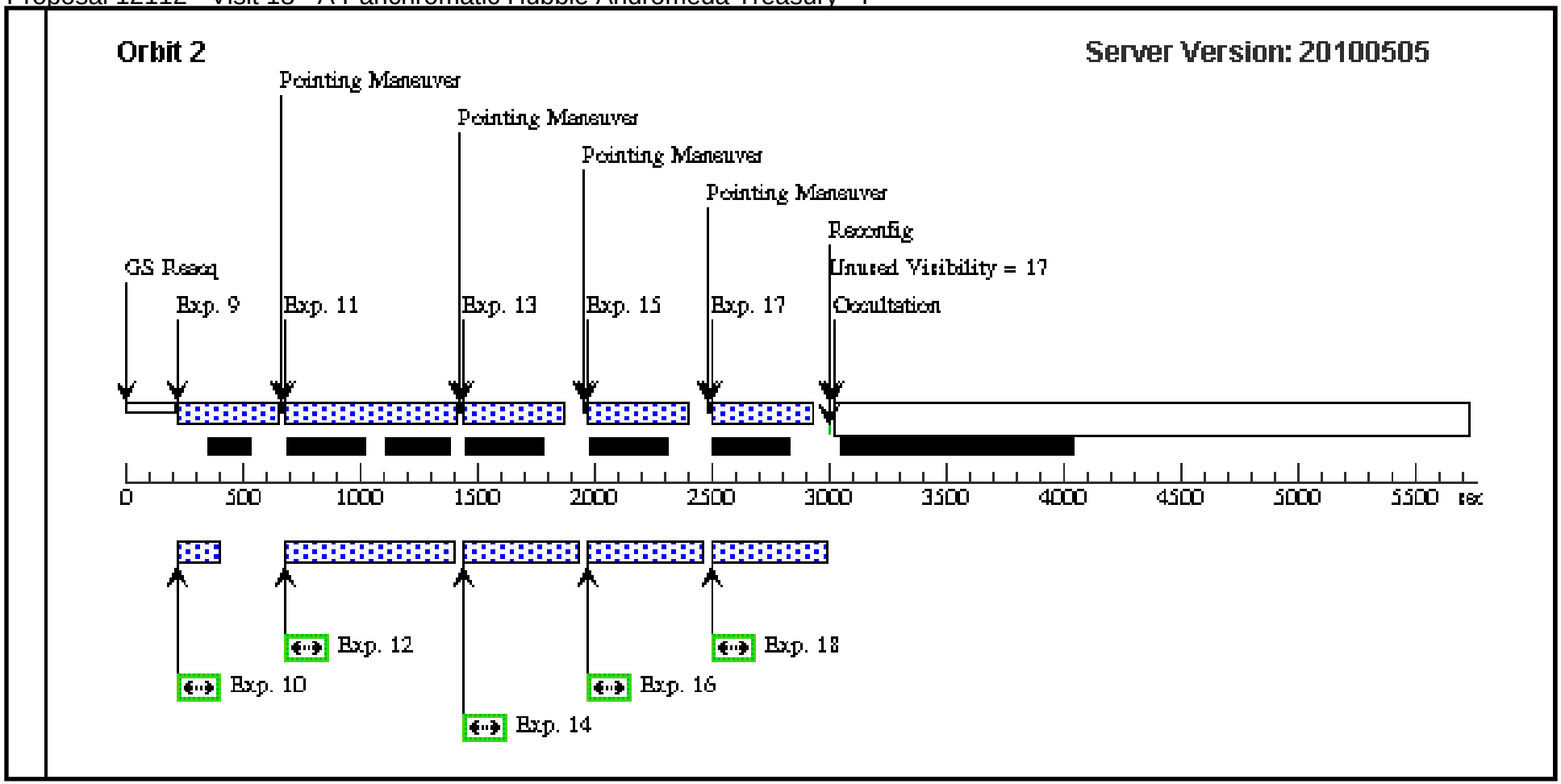
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(52)	M31-B20-F18-IR	RA: 00 46 28.8680 (11.6202833d) Dec: +42 01 34.48 (42.02624d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(53)	M31-B20-F18-UVIS	RA: 00 46 28.8680 (11.6202833d) Dec: +42 01 34.48 (42.02624d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS
(54)	M31-B20-F15-WFC	RA: 00 46 28.8680 (11.6202833d) Dec: +42 01 34.48 (42.02624d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	M31-B20-F18-UVIS-F336W	(53) M31-B20-F18-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 1-2	550 Secs *[==>]*	*[1]*
2	M31-B20-F15-WFC-F814W-short	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2	15 Secs *[==>]*	*[1]*
3	M31-B20-F18-UVIS-F275W	(53) M31-B20-F18-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.655,2.96	Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
4	M31-B20-F15-WFC-F814W	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4	350 Secs *[==>]*	*[1]*
5	M31-B20-F18-UVIS-F336W	(53) M31-B20-F18-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO	POS TARG 1.634,4.882	Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
6	M31-B20-F15-WFC-F814W	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6	700 Secs *[==>]*	*[1]*
7	M31-B20-F18-UVIS-F275W	(53) M31-B20-F18-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	CR-SPLIT=NO	POS TARG 1.525,4.882	Prime + Parallel Group 7-8	575 Secs *[==>]*	*[1]*
8	M31-B20-F15-WFC-F814W	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8	455 Secs *[==>]*	*[1]*
9	M31-B20-F18-IR-f160w	(52) M31-B20-F18-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0,0	Prime + Parallel Group 9-10	*[==>]*	*[2]*
10	M31-B20-F15-WFC-F475W-short	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 9-10	10 Secs *[==>]*	*[2]*
11	M31-B20-F18-IR-f110w	(52) M31-B20-F18-IR	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=STEP100	POS TARG 0.187,0.086	Prime + Parallel Group 11-12	*[==>]*	*[2]*
12	M31-B20-F15-WFC-F475W	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 11-12	600 Secs *[==>]*	*[2]*
13	M31-B20-F18-IR-f160w	(52) M31-B20-F18-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.206,0.171	Prime + Parallel Group 13-14	*[==>]*	*[2]*
14	M31-B20-F15-WFC-F475W	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 13-14	370 Secs *[==>]*	*[2]*
15	M31-B20-F18-IR-f160w	(52) M31-B20-F18-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.263,0.188	Prime + Parallel Group 15-16	*[==>]*	*[2]*
16	M31-B20-F15-WFC-F475W	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 15-16	370 Secs *[==>]*	*[2]*
17	M31-B20-F18-IR-f160w	(52) M31-B20-F18-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.204,-0.001	Prime + Parallel Group 17-18	*[==>]*	*[2]*
18	M31-B20-F15-WFC-F475W	(54) M31-B20-F15-WFC	ACS/WFC, ACCUM, WFC	F475W			Prime + Parallel Group 17-18	370 Secs *[==>]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20100505
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Reconfig
GS Reacq
Unused Visibility = 17
Exp. 9
Exp. 11
Exp. 13
Exp. 15
Exp. 17
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 12
Exp. 18
Exp. 10
Exp. 16
Exp. 14