12941 - Probing Isolated Massive Star Formation in the LMC

Cycle: 20, Proposal Category: GO

(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) 045403.6-671618.5 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	14-Aug-2012 21:11:44.0	yes
02	(2) 050941.9-712742.1 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	14-Aug-2012 21:12:13.0	yes
03	(3) 051906.7-682137.4 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	14-Aug-2012 21:12:40.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
04	(4) 052124.9-660412.9 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	14-Aug-2012 21:13:09.0	yes
05	(5) 053244.3-693005.7 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	14-Aug-2012 21:13:34.0	yes
06	(6) 053342.2-684602.8 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	14-Aug-2012 21:13:59.0	yes
07	(7) 053431.5-683513.9 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	14-Aug-2012 21:14:23.0	yes

21 Total Orbits Used

ABSTRACT

Whether massive stars can form in isolation is one of the most debated questions in star formation. Observations of main sequence O-stars indicate that 5-10% of them form in isolation, but models of massive star formation suggest that massive stars should form in cluster environments. Isolated massive young stellar objects (YSOs) are better suited to address whether or not massive stars truly form in isolation since YSOs have had less time to disrupt their natal environment or move away from their stellar siblings. We have developed a unique sample of 7 candidates for isolated massive YSOs in the LMC. Within 80 pc, these objects are not associated with 1) other massive and intermediate-mass YSOs, 2) OB associations, and 3) giant molecular clouds (GMCs). In all cases ground-based H-alpha observations show that they are affiliated with non-elongated, small HII regions and therefore are unlikely to be part of a runaway population. We request WFC3/UVIS and IR observations in the F656N, F555W, F814W, F110W, and F160W bands to examine the interstellar environment and determine the main sequence and pre-main sequence (PMS) populations down to ~0.7 solar masses. In addition, coordinated parallel ACS/WFC F555W, F814W, and F658N observations will be used to assess the nearby control-field populations. From these observations we can search for lower-mass PMS stars, infer the local star formation history, and determine whether evidence exists for remnants of a disrupted GMC. With this statistically significant sample, we will have the ability to assess the possibility of massive stars forming in isolation.

OBSERVING DESCRIPTION

We have 2 different set-ups; one is in the RA limited regime for Cycle 20 (045403.6-671618.5) while the other 6 are not.

Setup for 6 of the objects:
For UVIS observations we picked UVIS-FIX as our aperture; this aperture was chosen in order to completely overlap the IR aperture IR-UVIS. It also allowed for our primary sources to never fall in the WFC3/UVIS chip gap. For time excess of 1200s in UVIS, we favored going deep into the I-band to locate more PMS stars. We also added some time to H-alpha as well. A 10 second exposure for 656N was added in order to aid in finding accurate surface brightnesses for compact HII regions if present. For UVIS we dither 3 points, using large spacing in our dithers (equivalent to the WFC3-UVIS-GAP-LINE) in order to cover the chip spacing. We dither 4 times in IR. For IR we chose STEP100 in order to get large dynamic range. We preferred to use most the IR time to go deep in the H-band (160W). For coordinated parallel ACS observations, we strongly preffered I-band observations to match exposure times with WFC3.

Visit 2 is slightly different than Visit 3-7 due to shorter occulation time.

Post-Flash was added for F656N observations to mitigate CTE effects. ETC calculator estimate about 0 electrons/pixel for the 10 second exposures, and about 1 electron/pixel for any other exposure (~400-700 seconds). We therefore chose 12e- as our flash value.

Setup for RA-limited object:
We went for a similar strategy. However, no 10 second exposure seemed possible. Only 3 dithers were possible in IR.

ADDITIONAL COMMENTS

We have one object requiring Schedulability = 100. If however, this is unneeded, we would desire it be be observed in the same way as the other 6 objects.

If this project benefits from use of post-flash to mitigate CTE problems, we would consider applying it to our observations if it is developed enough for use.

Visit

Proposal 12941, 045403.6-671618.5 (01), implementation Wed Aug 15 01:14:40 GMT 2012

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%

Diagnostics

(Primary Exposure 2 (Prime + Parallel Group 1-4 in 045403.6-671618.5 (01))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 5 (Prime + Parallel Group 5-6 in 045403.6-671618.5 (01))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 11 (Prime + Parallel Group 10-13 in 045403.6-671618.5 (01))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(4)	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		(14-16)

Fixed Targets

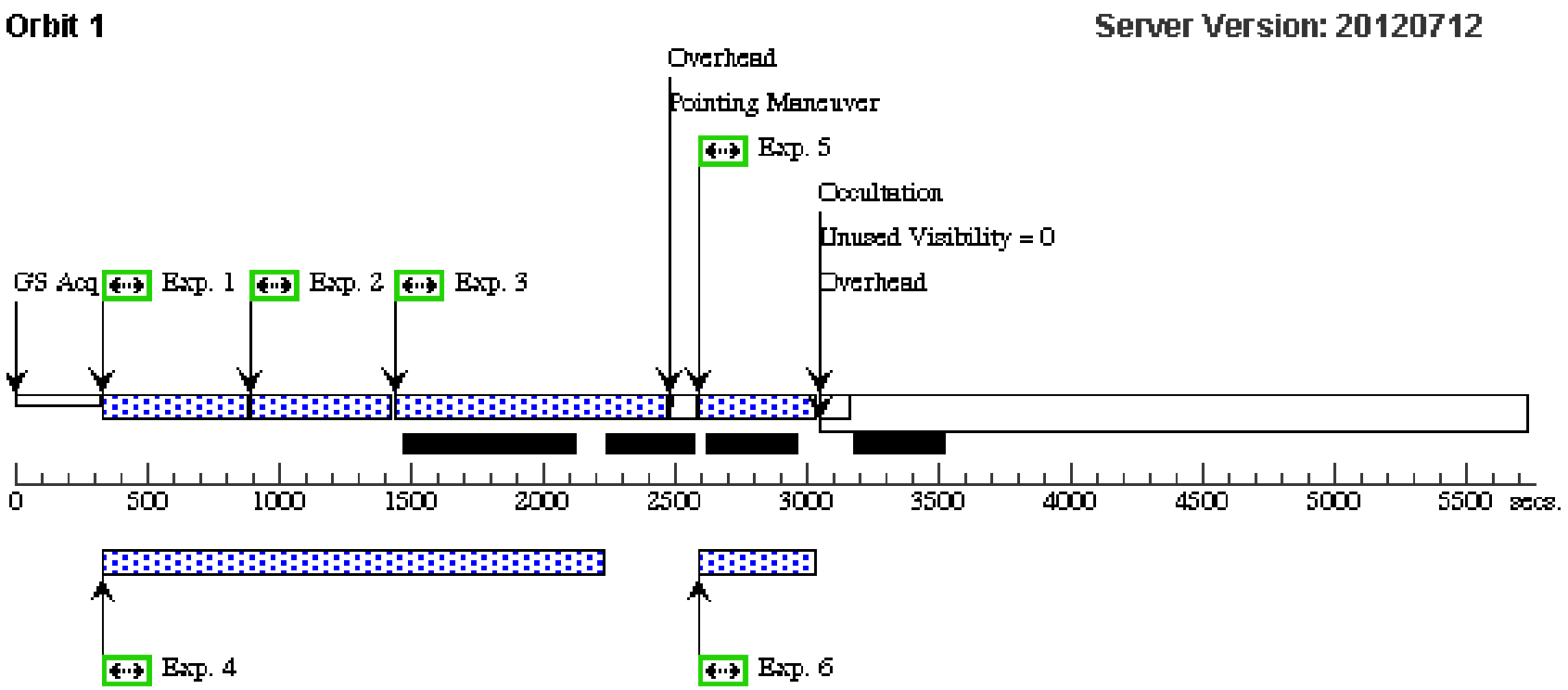
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	045403.6-671618.5	RA: 04 54 3.6200 (73.5150833d) Dec: -67 16 18.50 (-67.27181d) Equinox: J2000		V=15.8+/-0.109 B=16.871 +/- 0.078, I=15.349 +/- 0.075 J=14.546 +/- 0.044, H=13.588 +/- 0.036, K=12.399 +/- 0.030	Reference Frame: ICRS

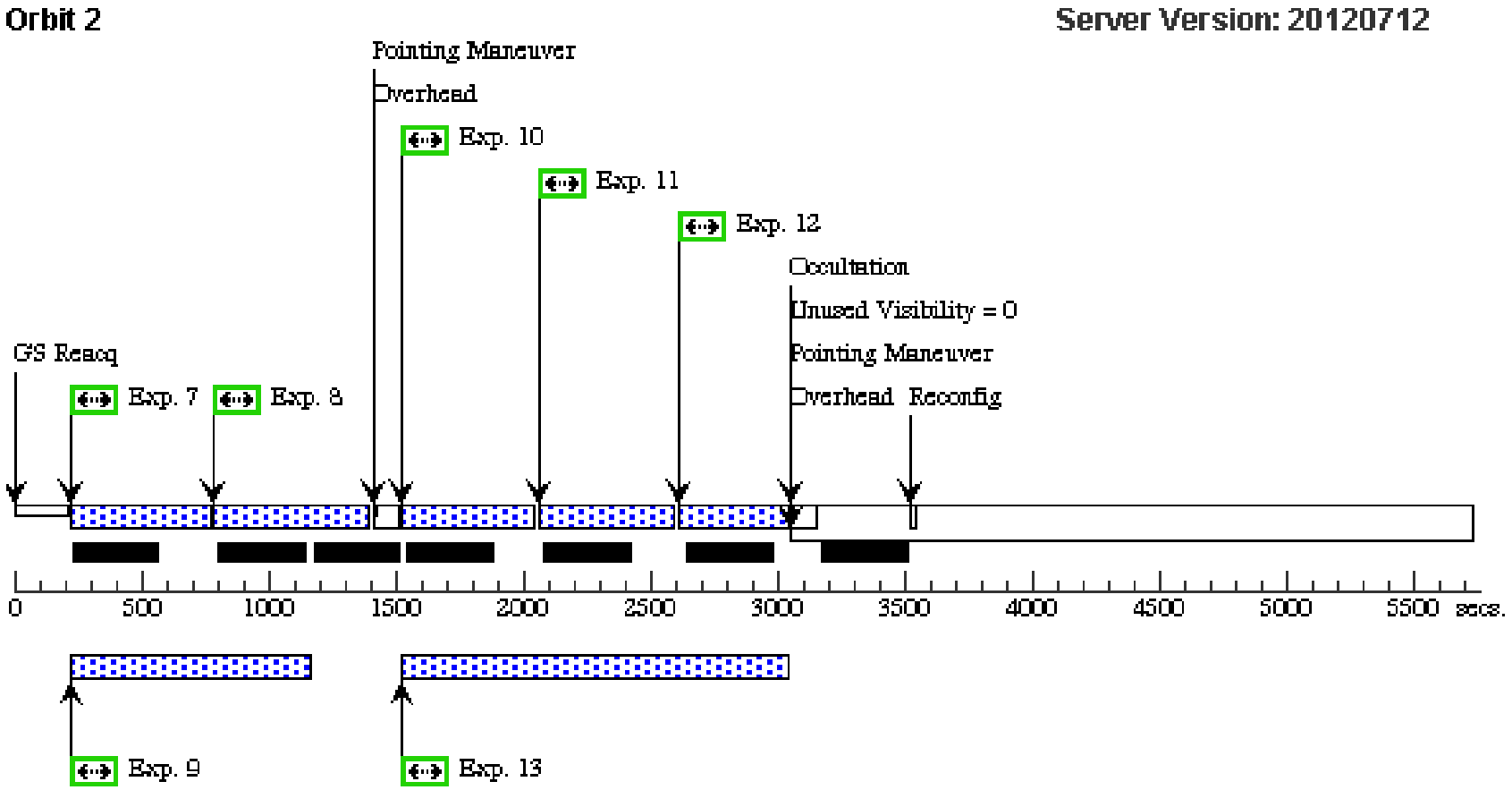
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Prime + Parallel Group 1-4 in 045403.6-671618.5 (01)	400 Secs *[==>]*	***[1]***
2		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12		Prime + Parallel Group 1-4 in 045403.6-671618.5 (01)	400 Secs *[==>]*	***[1]***
3		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Prime + Parallel Group 1-4 in 045403.6-671618.5 (01)	1000 Secs *[==>]*	***[1]***
4		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 1-4 in 045403.6-671618.5 (01)	1690 Secs *[==>]*	***[1]***
5		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.179,2.407	Prime + Parallel Group 5-6 in 045403.6-671618.5 (01)	429 Secs *[==>]*	***[1]***
6		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 5-6 in 045403.6-671618.5 (01)	280 Secs *[==>]*	***[1]***
7		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.179,2.407	Prime + Parallel Group 7-9 in 045403.6-671618.5 (01)	400 Secs *[==>]*	***[2]***
8		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.179,2.407	Prime + Parallel Group 7-9 in 045403.6-671618.5 (01)	600 Secs *[==>]*	***[2]***
9		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 7-9 in 045403.6-671618.5 (01)	820 Secs *[==>]*	***[2]***
10		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.357,4.815	Prime + Parallel Group 10-13 in 045403.6-671618.5 (01)	400 Secs *[==>]*	***[2]***
11		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-13 in 045403.6-671618.5 (01)	400 Secs *[==>]*	***[2]***
12		(1) 045403.6-671618.5	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.357,4.815	Prime + Parallel Group 10-13 in 045403.6-671618.5 (01)	404 Secs *[==>]*	***[2]***
13		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 10-13 in 045403.6-671618.5 (01)	1353 Secs *[==>]*	***[2]***
14		(1) 045403.6-671618.5	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 4, Exps 14-16 in 045403.6-671618.5 (01) (4) Prime + Parallel Group 14-16 in Pattern 4, Exps 14-16 in 045403.6-671618.5 (01)	*[==>(Pattern 1)]* *[==>(Pattern 2)]*	***[3]***
15		(1) 045403.6-671618.5	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=11		Pattern 4, Exps 14-16 in 045403.6-671618.5 (01) (4) Prime + Parallel Group 14-16 in Pattern 4, Exps 14-16 in 045403.6-671618.5 (01)	*[==>(Pattern 1)]* *[==>(Pattern 2)]*	***[3]***

	16	ANY	ACS/WFC, ACCUM, WFC1	F658N		Pattern 4, Exps 14-16 in 045403.6-671618.5 (01) (4) Prime + Parallel Group 14-16 in Pattern 4, Exps 14-16 in 045403.6-671618.5 (01)	750 Secs *[==>(Pattern 1)]* *[==>(Pattern 2)]*	***[3]***
	17	(1) 045403.6-671618.5	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9	Prime + Parallel Group 17-19 in 045403.6-671618.5 (01)	*[==>]*	***[3]***
	18	(1) 045403.6-671618.5	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=12	Prime + Parallel Group 17-19 in 045403.6-671618.5 (01)	*[==>]*	***[3]***
	19	ANY	ACS/WFC, ACCUM, WFC1	F658N		Prime + Parallel Group 17-19 in 045403.6-671618.5 (01)	833 Secs *[==>]*	***[3]***

Orbit Structure

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Exp. 12
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Overhead Reconfig
GS Reacq
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1000
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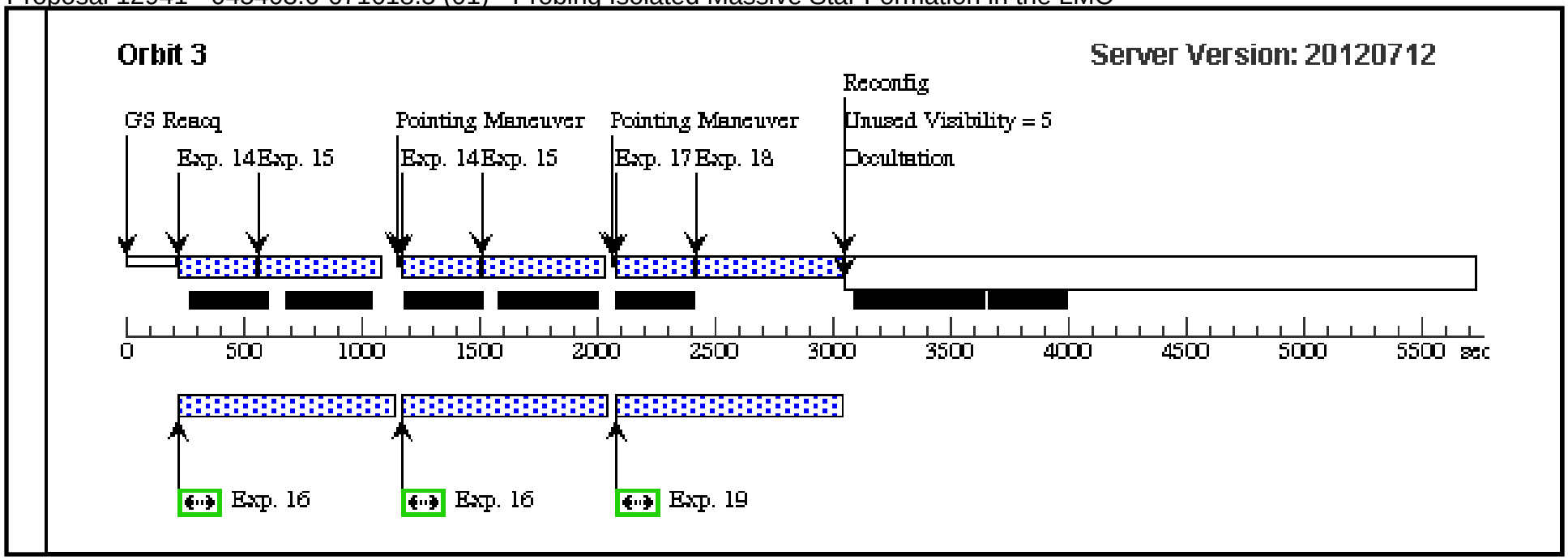
secs.
Exp. 9
Exp. 13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Reconfig
GS Reacq
Pointing Maneuver
Pointing Maneuver
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Exp. 14
Exp. 15
Exp. 14
Exp. 15
Exp. 17
Exp. 18
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 16
Exp. 16
Exp. 19

Visit

Proposal 12941, 050941.9-712742.1 (02), implementation Wed Aug 15 01:14:45 GMT 2012

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(Primary Exposure 2 (Prime + Parallel Group 1-4 in 050941.9-712742.1 (02))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 5 (Prime + Parallel Group 5-7 in 050941.9-712742.1 (02))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 11 (Prime + Parallel Group 10-14 in 050941.9-712742.1 (02))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 13 (Prime + Parallel Group 10-14 in 050941.9-712742.1 (02))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(15-17)

Fixed Targets

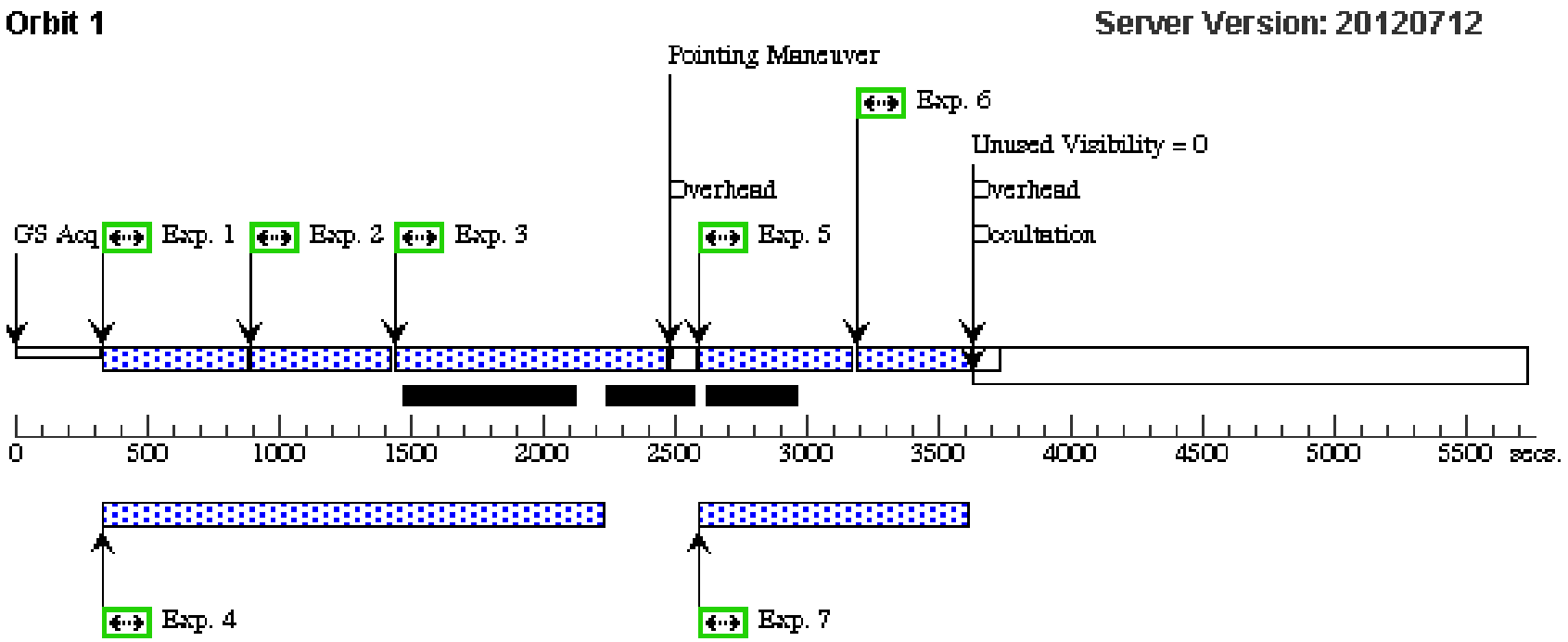
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	050941.9-712742.1	RA: 05 09 41.9400 (77.4247500d) Dec: -71 27 42.10 (-71.46169d) Equinox: J2000		V=15.17+/-0.071 U=14.821 +/- 0.129, B=15.623 +/- 0.046, J=15.289 +/- 0.093, H=14.768 +/- 0.146, K=14.149 +/- 0.085	Reference Frame: ICRS

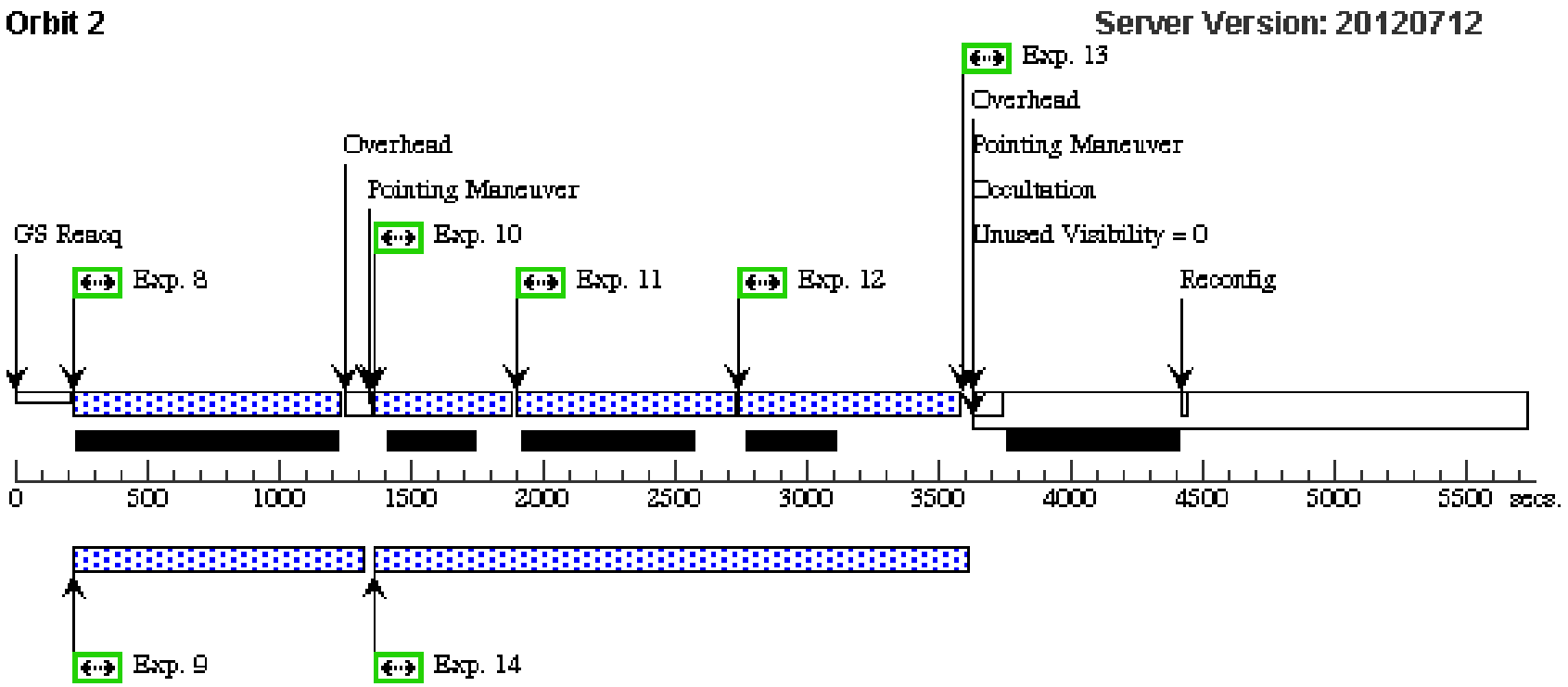
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Prime + Parallel Group 1-4 in 050941.9-712742.1 (02)	400 Secs *[==>]*	 ***[1]***
2		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12		Prime + Parallel Group 1-4 in 050941.9-712742.1 (02)	400 Secs *[==>]*	 ***[1]***
3		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Prime + Parallel Group 1-4 in 050941.9-712742.1 (02)	1000 Secs *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 1-4 in 050941.9-712742.1 (02)	1692 Secs *[==>]*	 ***[1]***
5		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 050941.9-712742.1 (02)	440 Secs *[==>]*	 ***[1]***
6		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 050941.9-712742.1 (02)	400 Secs *[==>]*	 ***[1]***
7		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 5-7 in 050941.9-712742.1 (02)	858 Secs *[==>]*	 ***[1]***
8		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.179,2.407	Prime + Parallel Group 8-9 in 050941.9-712742.1 (02)	1000 Secs *[==>]*	 ***[2]***
9		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 8-9 in 050941.9-712742.1 (02)	980 Secs *[==>]*	 ***[2]***
10		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 050941.9-712742.1 (02)	400 Secs *[==>]*	 ***[2]***
11		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 050941.9-712742.1 (02)	692 Secs *[==>]*	 ***[2]***
12		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 050941.9-712742.1 (02)	693 Secs *[==>]*	 ***[2]***
13		(2) 050941.9-712742.1	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 050941.9-712742.1 (02)	10 Secs *[==>]*	 ***[2]***
14		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 10-14 in 050941.9-712742.1 (02)	2091 Secs *[==>]*	 ***[2]***
15		(2) 050941.9-712742.1	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 15-17 in 050941.9-712742.1 (02) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 050941.9-712742.1 (02)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
16		(2) 050941.9-712742.1	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=11		Pattern 1, Exps 15-17 in 050941.9-712742.1 (02) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 050941.9-712742.1 (02)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***

	17	ANY	ACS/WFC, ACCUM, WFC1	F658N			Pattern 1, Exps 15-17 in 050941.9-712742.1 (02) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 050941.9-712742.1 (02)	750 Secs *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
	18	(2) 050941.9-712742.1	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=12	POS TARG 1.423,1.271	Prime + Parallel Group 18-19 in 050941.9-712742.1 (02)	*[==>]*	***[3]***
	19	ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 18-19 in 050941.9-712742.1 (02)	460 Secs *[==>]*	***[3]***

Orbit Structure

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Exp. 8
Exp. 11
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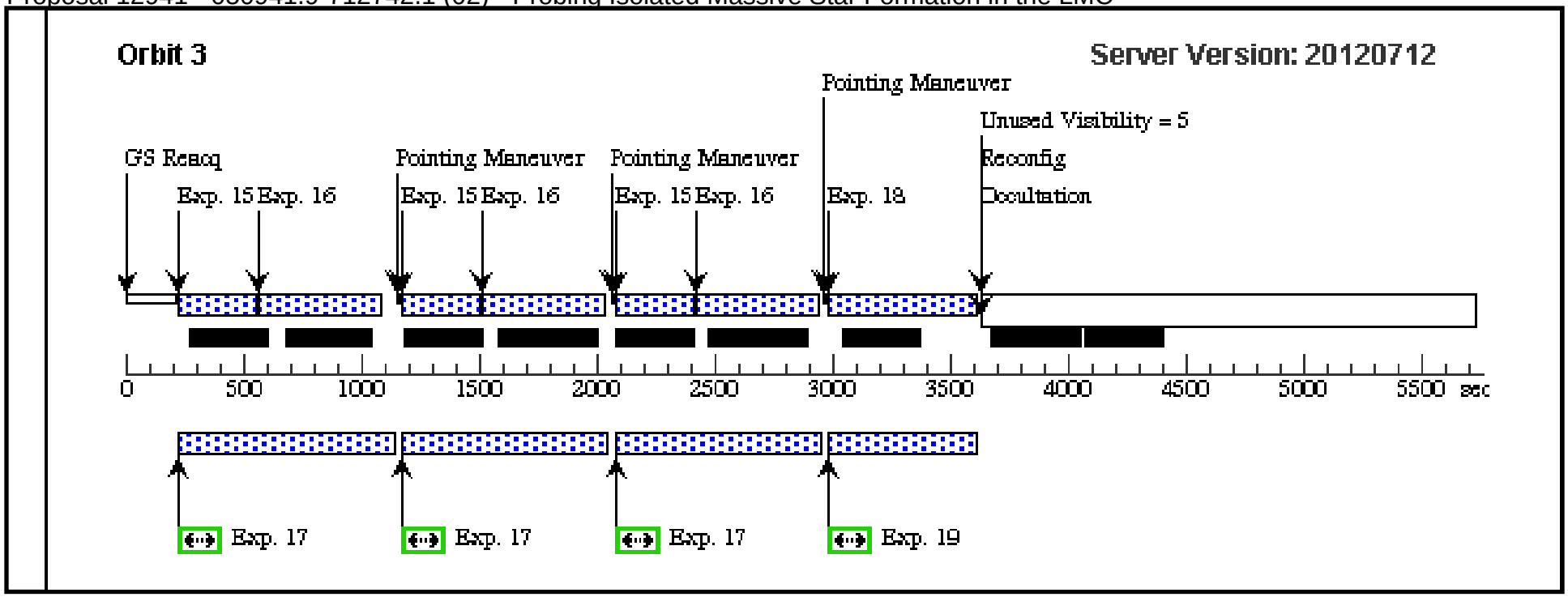
secs.
Exp. 9
Exp. 14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Pointing Maneuver
Exp. 15 Exp. 16
Pointing Maneuver
Exp. 15 Exp. 16
Exp. 18
Reconfig
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 17
Exp. 17
Exp. 17
Exp. 19

Visit

Proposal 12941, 051906.7-682137.4 (03), implementation Wed Aug 15 01:14:48 GMT 2012

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(Primary Exposure 2 (Prime + Parallel Group 1-4 in 051906.7-682137.4 (03))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 5 (Prime + Parallel Group 5-7 in 051906.7-682137.4 (03))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 11 (Prime + Parallel Group 10-14 in 051906.7-682137.4 (03))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 13 (Prime + Parallel Group 10-14 in 051906.7-682137.4 (03))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(15-17)

Fixed Targets

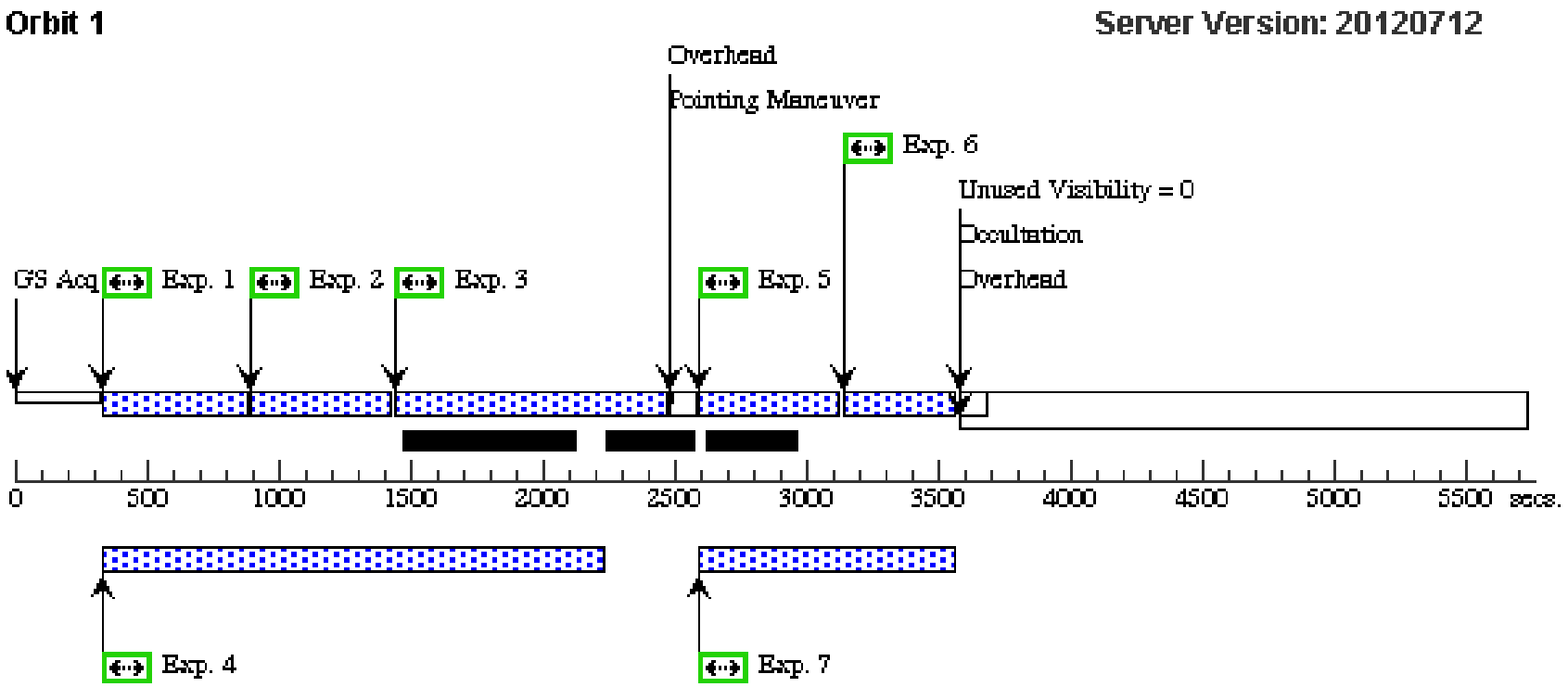
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	051906.7-682137.4	RA: 05 19 6.6900 (79.7778750d) Dec: -68 21 37.40 (-68.36039d) Equinox: J2000		V=16.5+/-2	Reference Frame: ICRS

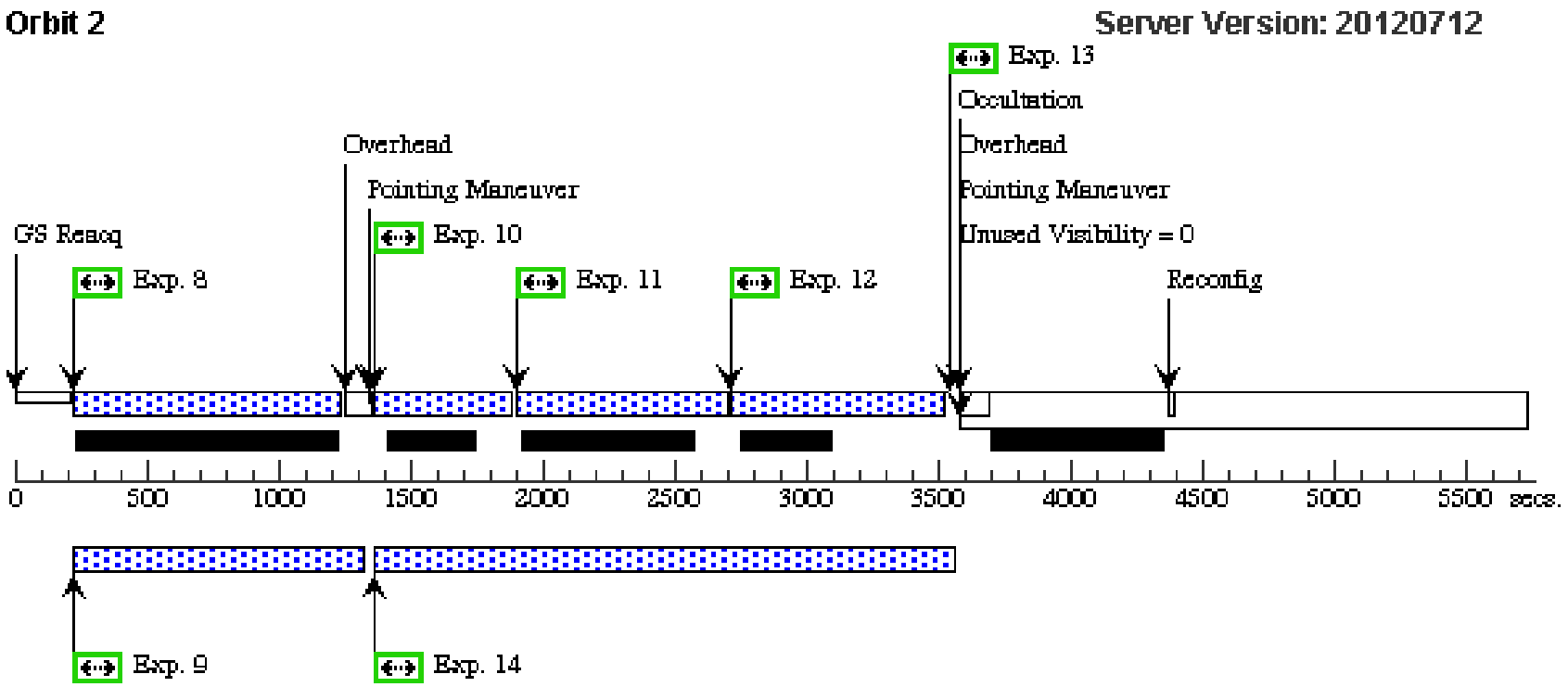
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Prime + Parallel Group 1-4 in 051906.7-682137.4 (03)	400 Secs *[==>]*	 ***[1]***
2		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12		Prime + Parallel Group 1-4 in 051906.7-682137.4 (03)	400 Secs *[==>]*	 ***[1]***
3		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Prime + Parallel Group 1-4 in 051906.7-682137.4 (03)	1000 Secs *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 1-4 in 051906.7-682137.4 (03)	1692 Secs *[==>]*	 ***[1]***
5		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 051906.7-682137.4 (03)	394 Secs *[==>]*	 ***[1]***
6		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 051906.7-682137.4 (03)	393 Secs *[==>]*	 ***[1]***
7		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 5-7 in 051906.7-682137.4 (03)	805 Secs *[==>]*	 ***[1]***
8		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.179,2.407	Prime + Parallel Group 8-9 in 051906.7-682137.4 (03)	1000 Secs *[==>]*	 ***[2]***
9		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 8-9 in 051906.7-682137.4 (03)	980 Secs *[==>]*	 ***[2]***
10		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (03)	400 Secs *[==>]*	 ***[2]***
11		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (03)	666 Secs *[==>]*	 ***[2]***
12		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (03)	666 Secs *[==>]*	 ***[2]***
13		(3) 051906.7-682137.4	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (03)	10 Secs *[==>]*	 ***[2]***
14		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 10-14 in 051906.7-682137.4 (03)	2038 Secs *[==>]*	 ***[2]***
15		(3) 051906.7-682137.4	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 15-17 in 051906.7-682137.4 (03) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 051906.7-682137.4 (03)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
16		(3) 051906.7-682137.4	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=11		Pattern 1, Exps 15-17 in 051906.7-682137.4 (03) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 051906.7-682137.4 (03)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***

	17	ANY	ACS/WFC, ACCUM, WFC1	F658N			Pattern 1, Exps 15-17 in 051906.7-682137.4 (03) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 051906.7-682137.4 (03)	734 Secs *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
	18	(3) 051906.7-682137.4	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=12	POS TARG 1.423,1.271	Prime + Parallel Group 18-19 in 051906.7-682137.4 (03)	*[==>]*	***[3]***
	19	ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 18-19 in 051906.7-682137.4 (03)	460 Secs *[==>]*	***[3]***

Orbit Structure

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GS Reacq
Exp. 8
Exp. 11
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Exp. 9
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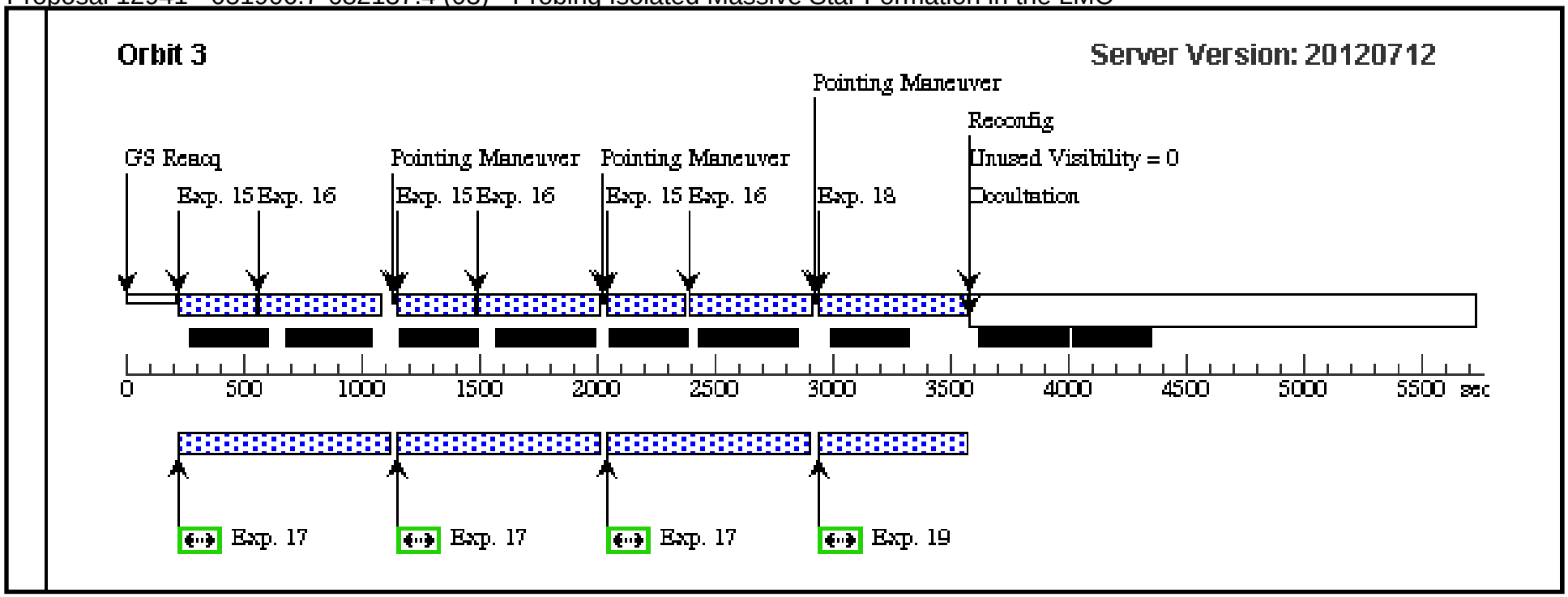
Orbit 3
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GS Reacq
Pointing Maneuver
Pointing Maneuver
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Exp. 16
Exp. 15
Exp. 16
Exp. 15
Exp. 16
Exp. 18
Occultation
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 17
Exp. 17
Exp. 17
Exp. 19

Visit

Proposal 12941, 052124.9-660412.9 (04), implementation Wed Aug 15 01:14:52 GMT 2012

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(Primary Exposure 2 (Prime + Parallel Group 1-4 in 052124.9-660412.9 (04))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 5 (Prime + Parallel Group 5-7 in 052124.9-660412.9 (04))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 11 (Prime + Parallel Group 10-14 in 052124.9-660412.9 (04))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 13 (Prime + Parallel Group 10-14 in 052124.9-660412.9 (04))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(15-17)

Fixed Targets

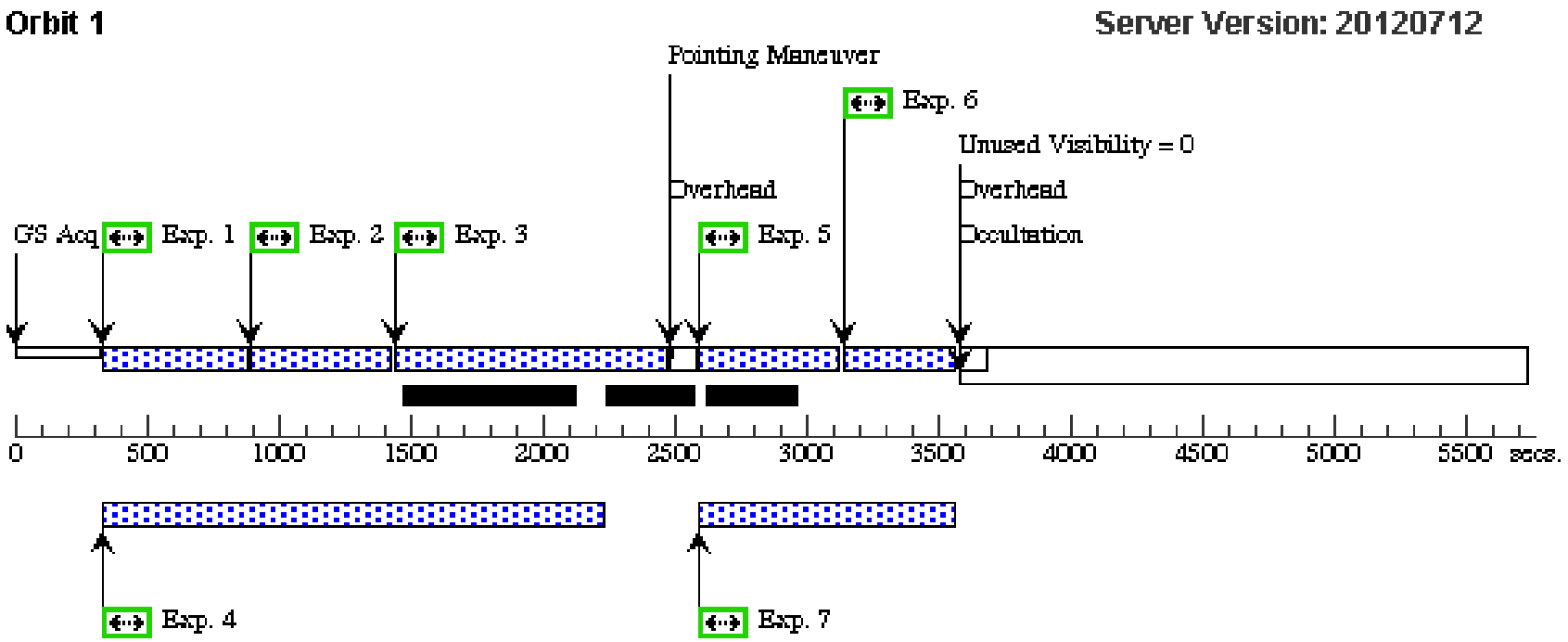
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	052124.9-660412.9	RA: 05 21 24.9000 (80.3537500d) Dec: -66 04 12.90 (-66.07025d) Equinox: J2000		V=20.171+/-0.085 U=20.350 +/- 0.180, B=20.763 +/- 0.175, J=16.664 +/- 0.182, H=15.556 +/- 0.168, K=14.626 +/- 0.116	Reference Frame: ICRS

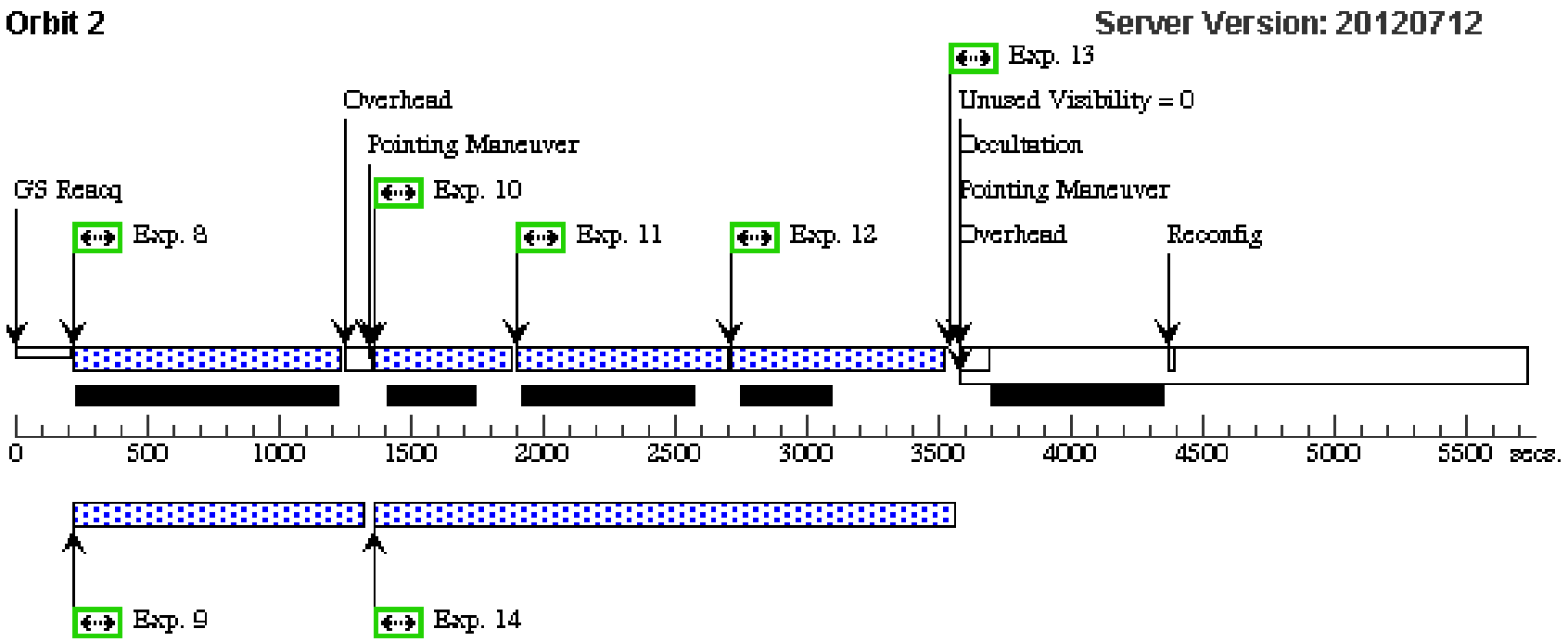
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Prime + Parallel Group 1-4 in 052124.9-660412.9 (04)	400 Secs *[==>]*	 ***[1]***
2		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12		Prime + Parallel Group 1-4 in 052124.9-660412.9 (04)	400 Secs *[==>]*	 ***[1]***
3		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Prime + Parallel Group 1-4 in 052124.9-660412.9 (04)	1000 Secs *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 1-4 in 052124.9-660412.9 (04)	1692 Secs *[==>]*	 ***[1]***
5		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 052124.9-660412.9 (04)	394 Secs *[==>]*	 ***[1]***
6		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 052124.9-660412.9 (04)	393 Secs *[==>]*	 ***[1]***
7		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 5-7 in 052124.9-660412.9 (04)	805 Secs *[==>]*	 ***[1]***
8		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.179,2.407	Prime + Parallel Group 8-9 in 052124.9-660412.9 (04)	1000 Secs *[==>]*	 ***[2]***
9		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 8-9 in 052124.9-660412.9 (04)	980 Secs *[==>]*	 ***[2]***
10		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 052124.9-660412.9 (04)	400 Secs *[==>]*	 ***[2]***
11		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 052124.9-660412.9 (04)	666 Secs *[==>]*	 ***[2]***
12		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 052124.9-660412.9 (04)	666 Secs *[==>]*	 ***[2]***
13		(4) 052124.9-660412.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 052124.9-660412.9 (04)	10 Secs *[==>]*	 ***[2]***
14		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 10-14 in 052124.9-660412.9 (04)	2038 Secs *[==>]*	 ***[2]***
15		(4) 052124.9-660412.9	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 15-17 in 052124.9-660412.9 (04) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 052124.9-660412.9 (04)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
16		(4) 052124.9-660412.9	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=11		Pattern 1, Exps 15-17 in 052124.9-660412.9 (04) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 052124.9-660412.9 (04)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***

	17	ANY	ACS/WFC, ACCUM, WFC1	F658N			Pattern 1, Exps 15-17 in 052124.9-660412.9 (04) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 052124.9-660412.9 (04)	734 Secs *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	 ***[3]***
	18	(4) 052124.9-660412.9	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=12	POS TARG 1.423,1.271	Prime + Parallel Group 18-19 in 052124.9-660412.9 (04)	*[==>]*	***[3]***
	19	ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 18-19 in 052124.9-660412.9 (04)	460 Secs *[==>]*	 ***[3]***

Orbit Structure

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Reconfig
Overhead
Pointing Maneuver
Exp. 10
GS Reacq
Exp. 8
Exp. 11
Exp. 12
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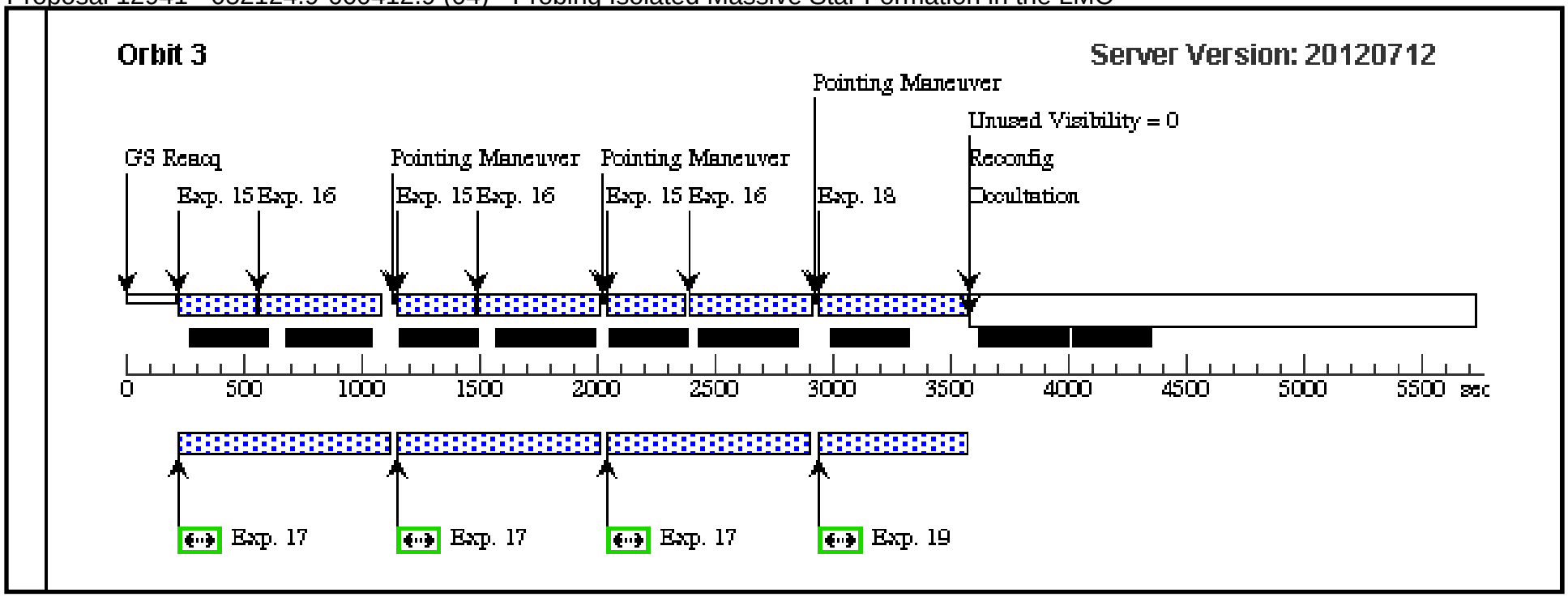
secs.
Exp. 9
Exp. 14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Pointing Maneuver
Pointing Maneuver
Reconfig
Exp. 15 Exp. 16
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Exp. 15 Exp. 16
Exp. 18
Occultation
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500
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5500
sec
Exp. 17
Exp. 17
Exp. 17
Exp. 19

Visit

Proposal 12941, 053244.3-693005.7 (05), implementation Wed Aug 15 01:14:55 GMT 2012

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(Primary Exposure 2 (Prime + Parallel Group 1-4 in 053244.3-693005.7 (05))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 5 (Prime + Parallel Group 5-7 in 053244.3-693005.7 (05))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 11 (Prime + Parallel Group 10-14 in 053244.3-693005.7 (05))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 13 (Prime + Parallel Group 10-14 in 053244.3-693005.7 (05))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(15-17)

Fixed Targets

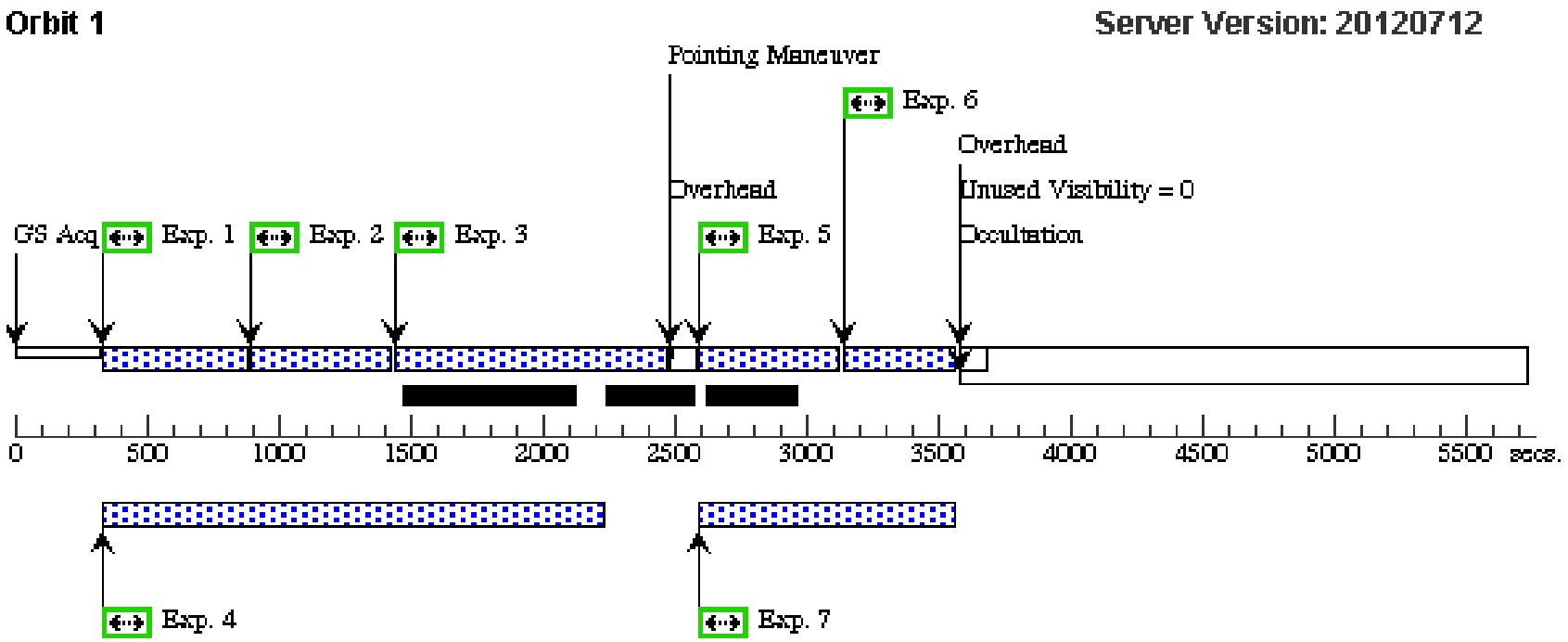
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	053244.3-693005.7	RA: 05 32 44.2500 (83.1843750d) Dec: -69 30 5.70 (-69.50158d) Equinox: J2000		V=16.198+/-0.052 U=15.820 +/- 0.046, B=16.183 +/- 0.074, J=15.648 +/- 0.094, H=15.143 +/- 0.103, K=14.819 +/- 0.142	Reference Frame: ICRS

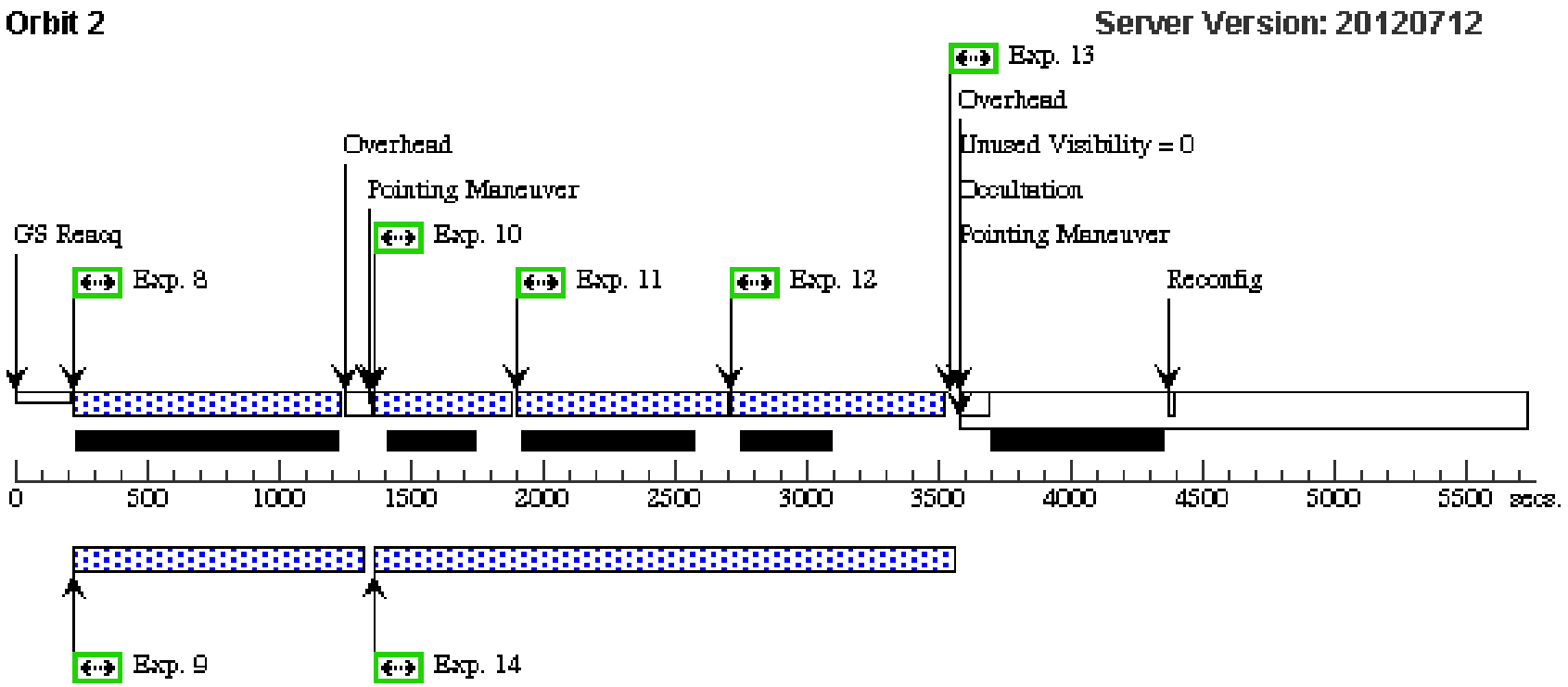
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Prime + Parallel Group 1-4 in 053244.3-693005.7 (05)	400 Secs *[==>]*	 ***[1]***
2		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12		Prime + Parallel Group 1-4 in 053244.3-693005.7 (05)	400 Secs *[==>]*	 ***[1]***
3		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Prime + Parallel Group 1-4 in 053244.3-693005.7 (05)	1000 Secs *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 1-4 in 053244.3-693005.7 (05)	1692 Secs *[==>]*	 ***[1]***
5		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 053244.3-693005.7 (05)	394 Secs *[==>]*	 ***[1]***
6		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 053244.3-693005.7 (05)	393 Secs *[==>]*	 ***[1]***
7		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 5-7 in 053244.3-693005.7 (05)	805 Secs *[==>]*	 ***[1]***
8		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.179,2.407	Prime + Parallel Group 8-9 in 053244.3-693005.7 (05)	1000 Secs *[==>]*	 ***[2]***
9		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 8-9 in 053244.3-693005.7 (05)	980 Secs *[==>]*	 ***[2]***
10		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053244.3-693005.7 (05)	400 Secs *[==>]*	 ***[2]***
11		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053244.3-693005.7 (05)	666 Secs *[==>]*	 ***[2]***
12		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053244.3-693005.7 (05)	666 Secs *[==>]*	 ***[2]***
13		(5) 053244.3-693005.7	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053244.3-693005.7 (05)	10 Secs *[==>]*	 ***[2]***
14		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 10-14 in 053244.3-693005.7 (05)	2038 Secs *[==>]*	 ***[2]***
15		(5) 053244.3-693005.7	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 15-17 in 053244.3-693005.7 (05) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 053244.3-693005.7 (05)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
16		(5) 053244.3-693005.7	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=11		Pattern 1, Exps 15-17 in 053244.3-693005.7 (05) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 053244.3-693005.7 (05)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***

	17	ANY	ACS/WFC, ACCUM, WFC1	F658N			Pattern 1, Exps 15-17 in 053244.3-693005.7 (05) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 053244.3-693005.7 (05)	734 Secs *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	 ***[3]***
	18	(5) 053244.3-693005.7	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=12	POS TARG 1.423,1.271	Prime + Parallel Group 18-19 in 053244.3-693005.7 (05)	*[==>]*	***[3]***
	19	ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 18-19 in 053244.3-693005.7 (05)	460 Secs *[==>]*	 ***[3]***

Orbit Structure

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Overhead
Pointing Maneuver
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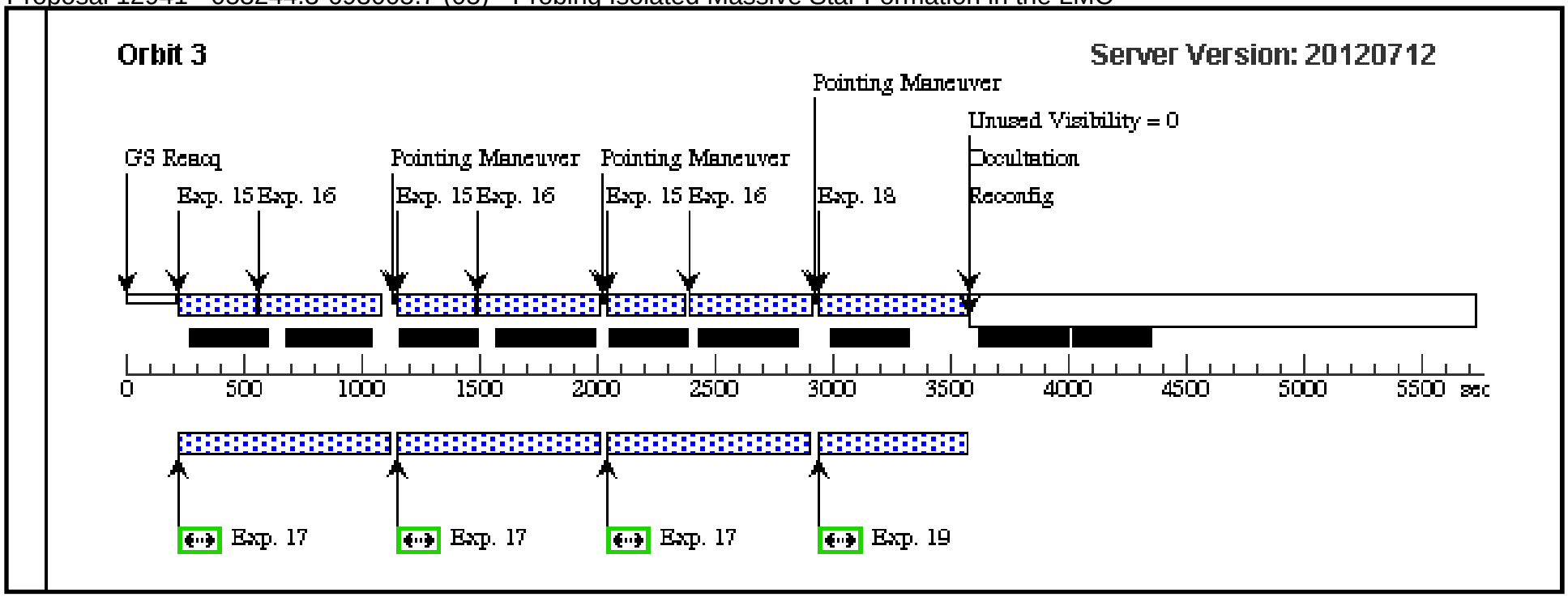
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Occultation
Pointing Maneuver
Pointing Maneuver
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4000
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5000
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sec
Exp. 17
Exp. 17
Exp. 17
Exp. 19

Visit

Proposal 12941, 051906.7-682137.4 (06), implementation Wed Aug 15 01:14:58 GMT 2012

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(Primary Exposure 2 (Prime + Parallel Group 1-4 in 051906.7-682137.4 (06))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 5 (Prime + Parallel Group 5-7 in 051906.7-682137.4 (06))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 11 (Prime + Parallel Group 10-14 in 051906.7-682137.4 (06))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 13 (Prime + Parallel Group 10-14 in 051906.7-682137.4 (06))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(15-17)

Fixed Targets

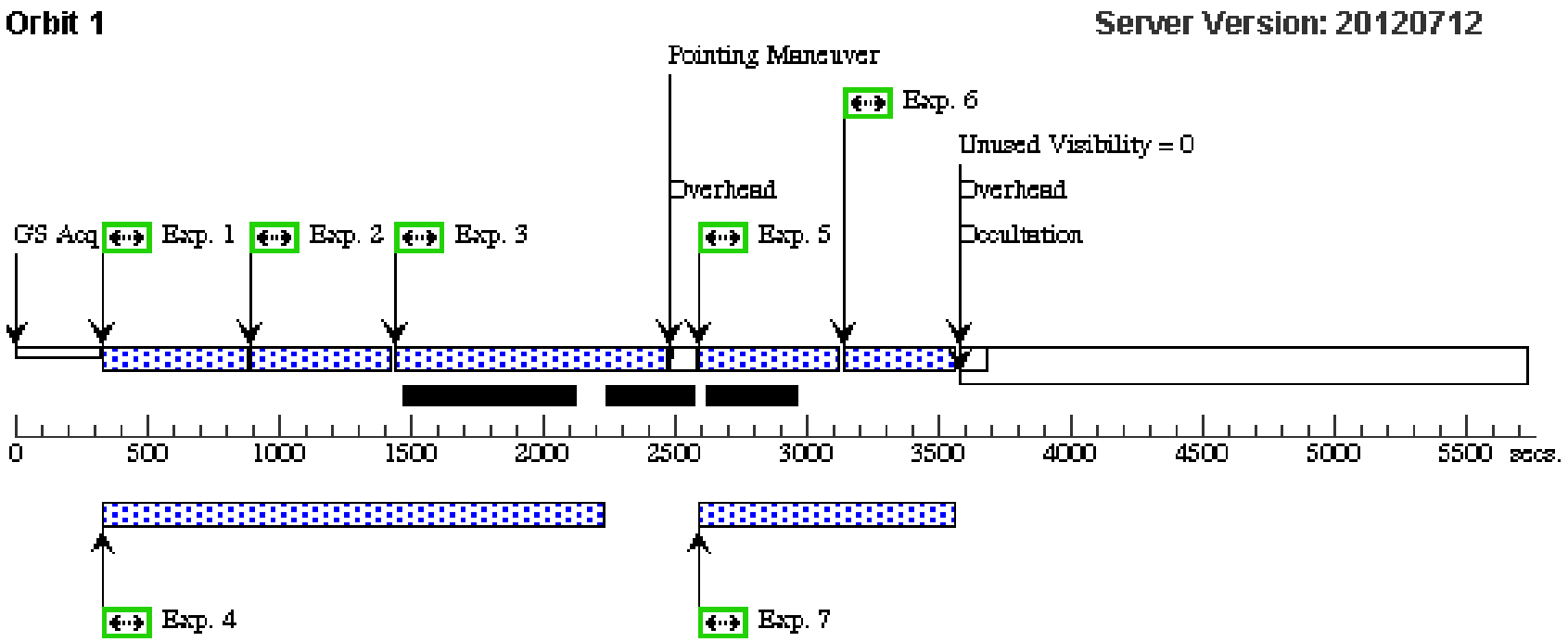
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	053342.2-684602.8	RA: 05 33 42.1500 (83.4256250d) Dec: -68 46 2.80 (-68.76744d) Equinox: J2000		V=16.5+/-2	Reference Frame: ICRS

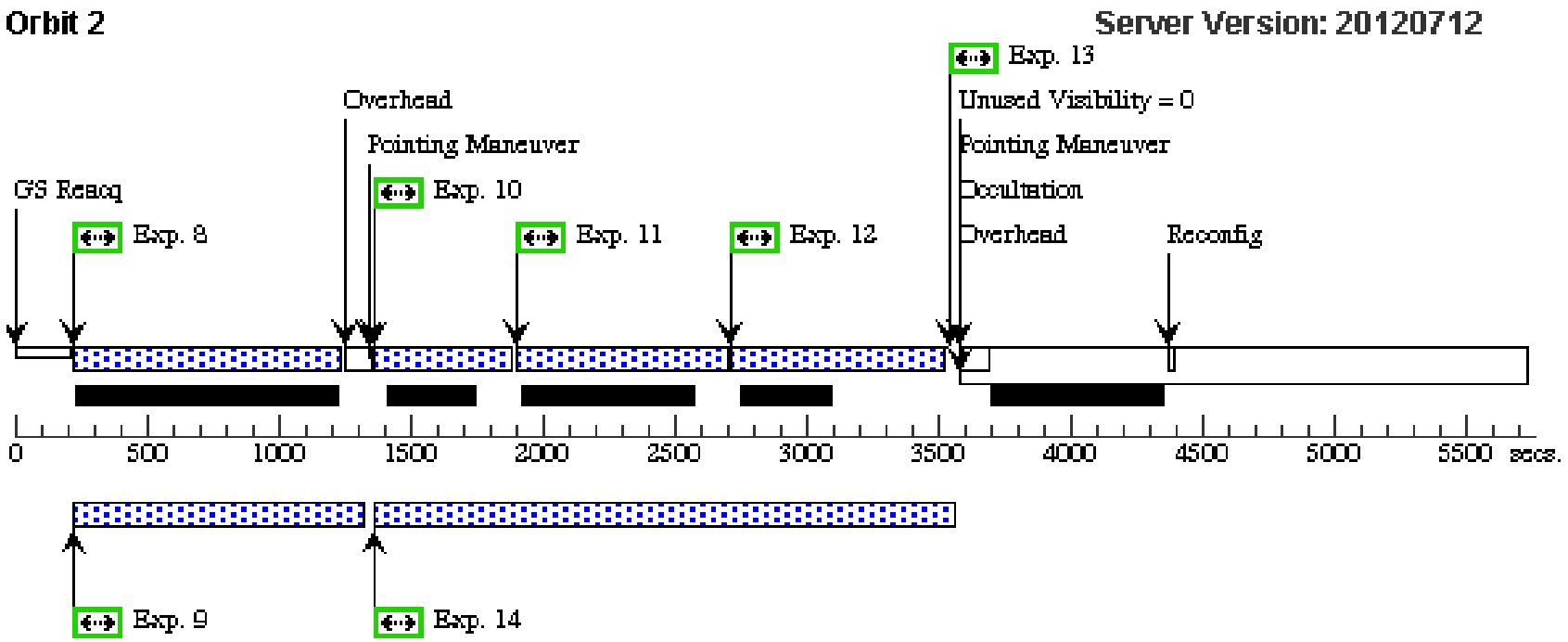
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Prime + Parallel Group 1-4 in 051906.7-682137.4 (06)	400 Secs *[==>]*	 ***[1]***
2		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12		Prime + Parallel Group 1-4 in 051906.7-682137.4 (06)	400 Secs *[==>]*	 ***[1]***
3		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Prime + Parallel Group 1-4 in 051906.7-682137.4 (06)	1000 Secs *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 1-4 in 051906.7-682137.4 (06)	1692 Secs *[==>]*	 ***[1]***
5		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 051906.7-682137.4 (06)	394 Secs *[==>]*	 ***[1]***
6		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 051906.7-682137.4 (06)	393 Secs *[==>]*	 ***[1]***
7		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 5-7 in 051906.7-682137.4 (06)	805 Secs *[==>]*	 ***[1]***
8		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.179,2.407	Prime + Parallel Group 8-9 in 051906.7-682137.4 (06)	1000 Secs *[==>]*	 ***[2]***
9		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 8-9 in 051906.7-682137.4 (06)	980 Secs *[==>]*	 ***[2]***
10		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (06)	400 Secs *[==>]*	 ***[2]***
11		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (06)	666 Secs *[==>]*	 ***[2]***
12		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (06)	666 Secs *[==>]*	 ***[2]***
13		(6) 053342.2-684602.8	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 051906.7-682137.4 (06)	10 Secs *[==>]*	 ***[2]***
14		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 10-14 in 051906.7-682137.4 (06)	2038 Secs *[==>]*	 ***[2]***
15		(6) 053342.2-684602.8	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 15-17 in 051906.7-682137.4 (06) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 051906.7-682137.4 (06)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
16		(6) 053342.2-684602.8	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=11		Pattern 1, Exps 15-17 in 051906.7-682137.4 (06) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 051906.7-682137.4 (06)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***

	17	ANY	ACS/WFC, ACCUM, WFC1	F658N			Pattern 1, Exps 15-17 in 051906.7-682137.4 (06) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 051906.7-682137.4 (06)	734 Secs *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
	18	(6) 053342.2-684602.8	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=12	POS TARG 1.423,1.271	Prime + Parallel Group 18-19 in 051906.7-682137.4 (06)	*[==>]*	***[3]***
	19	ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 18-19 in 051906.7-682137.4 (06)	460 Secs *[==>]*	***[3]***

Orbit Structure

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Reconfig
Overhead
Pointing Maneuver
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GS Reacq
Exp. 8
Exp. 11
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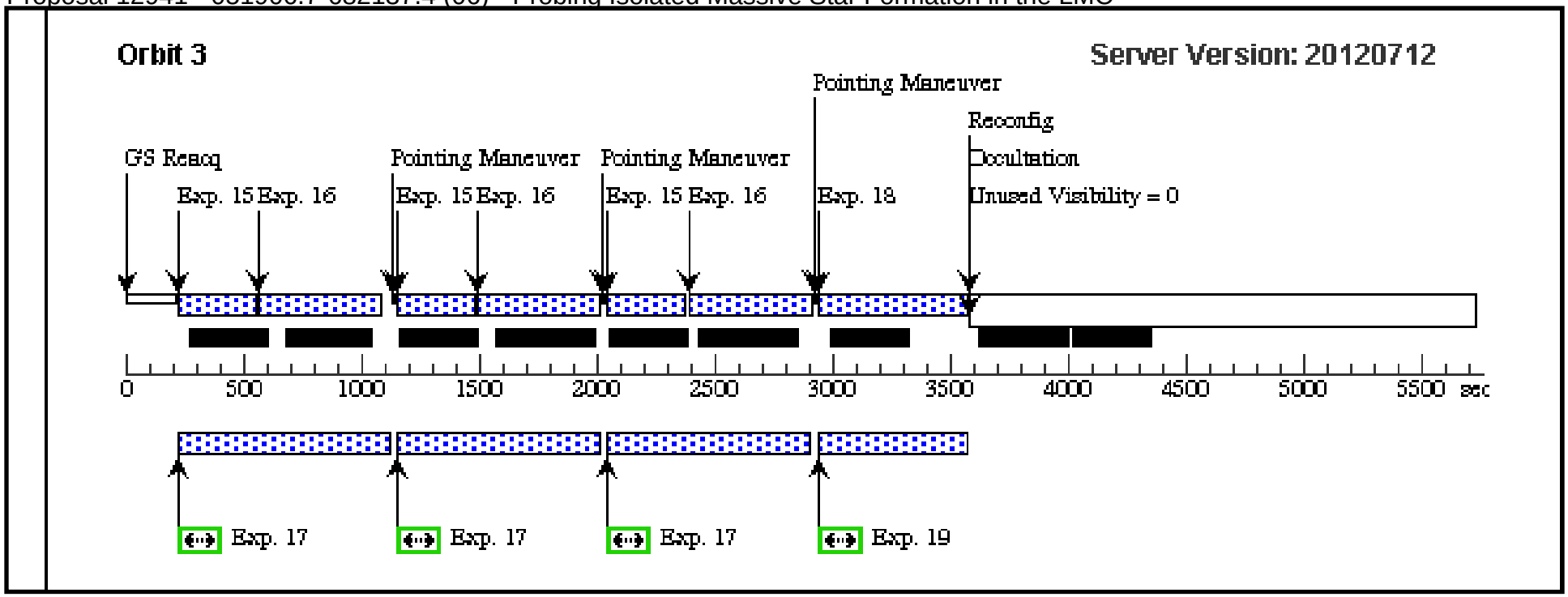
secs.
Exp. 9
Exp. 14


Orbit 3
Server Version: 20120712
Pointing Maneuver
Reconfig
GS Reacq
Occultation
Pointing Maneuver
Pointing Maneuver
Exp. 15 Exp. 16
Exp. 15 Exp. 16
Exp. 15 Exp. 16
Exp. 18
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 17
Exp. 17
Exp. 17
Exp. 19

Visit

Proposal 12941, 053431.5-683513.9 (07), implementation Wed Aug 15 01:15:01 GMT 2012

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(Primary Exposure 2 (Prime + Parallel Group 1-4 in 053431.5-683513.9 (07))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 5 (Prime + Parallel Group 5-7 in 053431.5-683513.9 (07))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 11 (Prime + Parallel Group 10-14 in 053431.5-683513.9 (07))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

(Primary Exposure 13 (Prime + Parallel Group 10-14 in 053431.5-683513.9 (07))) Warning (Form): Light from the flash may escape from WFC3 and possibly contaminate exposures in other SIs.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(15-17)

Fixed Targets

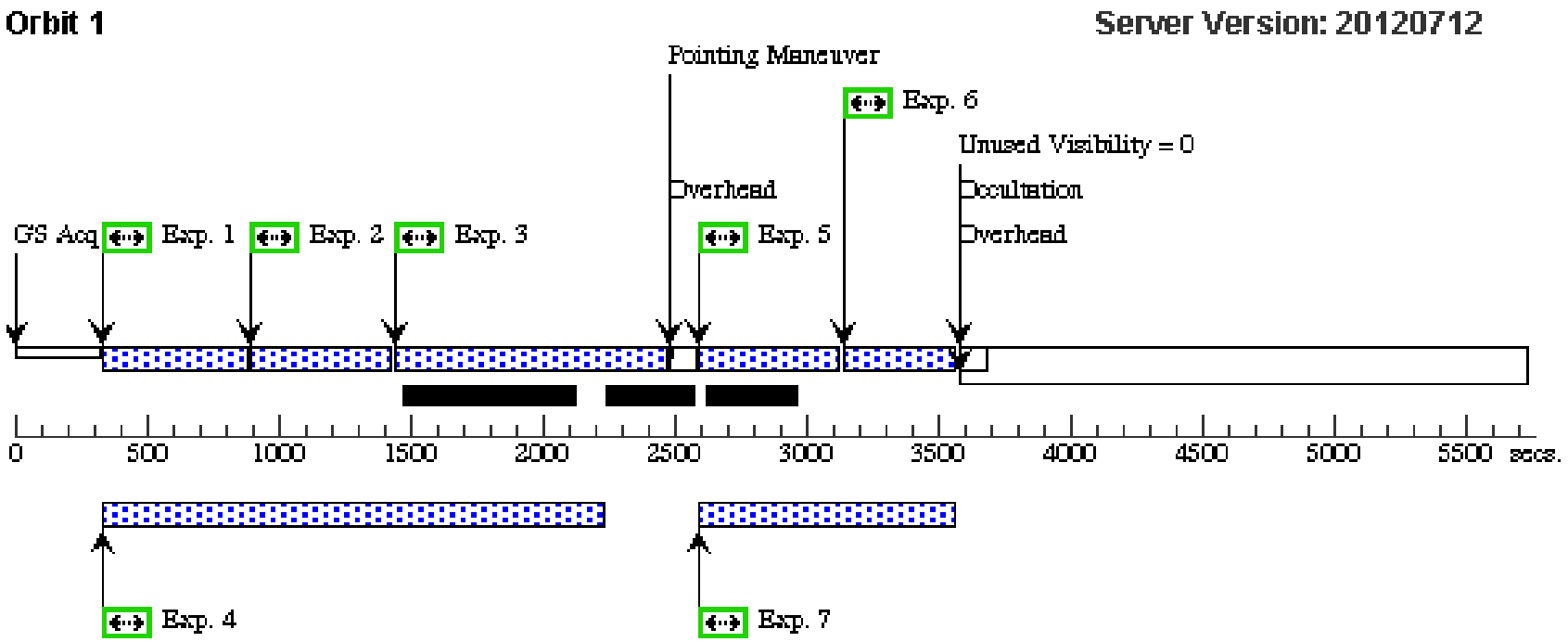
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	053431.5-683513.9	RA: 05 34 31.4600 (83.6310833d) Dec: -68 35 13.90 (-68.58719d) Equinox: J2000		V=16.502+/-0.117 U=16.042 +/- 0.073, B=16.606 +/- 0.088, I=16.334 +/- 0.077, J=15.317 +/- 0.082, H=14.318 +/- 0.073, K=13.141 +/- 0.044	Reference Frame: ICRS

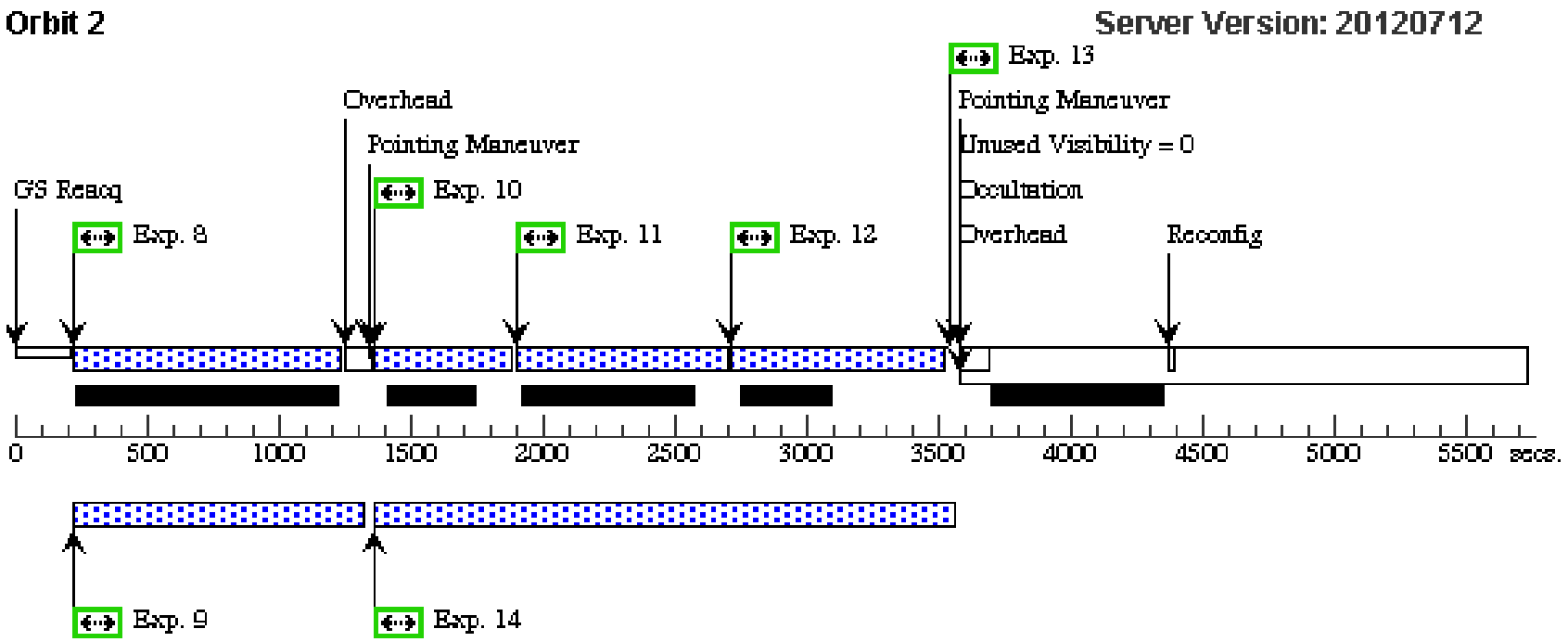
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F555W			Prime + Parallel Group 1-4 in 053431.5-683513.9 (07)	400 Secs *[==>]*	 ***[1]***
2		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12		Prime + Parallel Group 1-4 in 053431.5-683513.9 (07)	400 Secs *[==>]*	 ***[1]***
3		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F814W			Prime + Parallel Group 1-4 in 053431.5-683513.9 (07)	1000 Secs *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 1-4 in 053431.5-683513.9 (07)	1692 Secs *[==>]*	 ***[1]***
5		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 053431.5-683513.9 (07)	394 Secs *[==>]*	 ***[1]***
6		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.179,2.407	Prime + Parallel Group 5-7 in 053431.5-683513.9 (07)	393 Secs *[==>]*	 ***[1]***
7		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 5-7 in 053431.5-683513.9 (07)	805 Secs *[==>]*	 ***[1]***
8		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.179,2.407	Prime + Parallel Group 8-9 in 053431.5-683513.9 (07)	1000 Secs *[==>]*	 ***[2]***
9		ANY	ACS/WFC, ACCUM, WFC1	F555W			Prime + Parallel Group 8-9 in 053431.5-683513.9 (07)	980 Secs *[==>]*	 ***[2]***
10		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F555W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053431.5-683513.9 (07)	400 Secs *[==>]*	 ***[2]***
11		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053431.5-683513.9 (07)	666 Secs *[==>]*	 ***[2]***
12		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053431.5-683513.9 (07)	666 Secs *[==>]*	 ***[2]***
13		(7) 053431.5-683513.9	WFC3/UVIS, ACCUM, UVIS-FIX	F656N	FLASH=12	POS TARG 0.357,4.815	Prime + Parallel Group 10-14 in 053431.5-683513.9 (07)	10 Secs *[==>]*	 ***[2]***
14		ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 10-14 in 053431.5-683513.9 (07)	2038 Secs *[==>]*	 ***[2]***
15		(7) 053431.5-683513.9	WFC3/IR, MULTIACCUM, IR-UVIS	F110W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 15-17 in 053431.5-683513.9 (07) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 053431.5-683513.9 (07)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
16		(7) 053431.5-683513.9	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=11		Pattern 1, Exps 15-17 in 053431.5-683513.9 (07) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 053431.5-683513.9 (07)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***

	17	ANY	ACS/WFC, ACCUM, WFC1	F658N			Pattern 1, Exps 15-17 in 053431.5-683513.9 (07) (1) Prime + Parallel Group 15-17 in Pattern 1, Exps 15-17 in 053431.5-683513.9 (07)	734 Secs *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]*	***[3]***
	18	(7) 053431.5-683513.9	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	SAMP-SEQ=STEP100; NSAMP=12	POS TARG 1.423,1.271	Prime + Parallel Group 18-19 in 053431.5-683513.9 (07)	*[==>]*	***[3]***
	19	ANY	ACS/WFC, ACCUM, WFC1	F814W			Prime + Parallel Group 18-19 in 053431.5-683513.9 (07)	460 Secs *[==>]*	***[3]***

Orbit Structure




Orbit 2
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secs.
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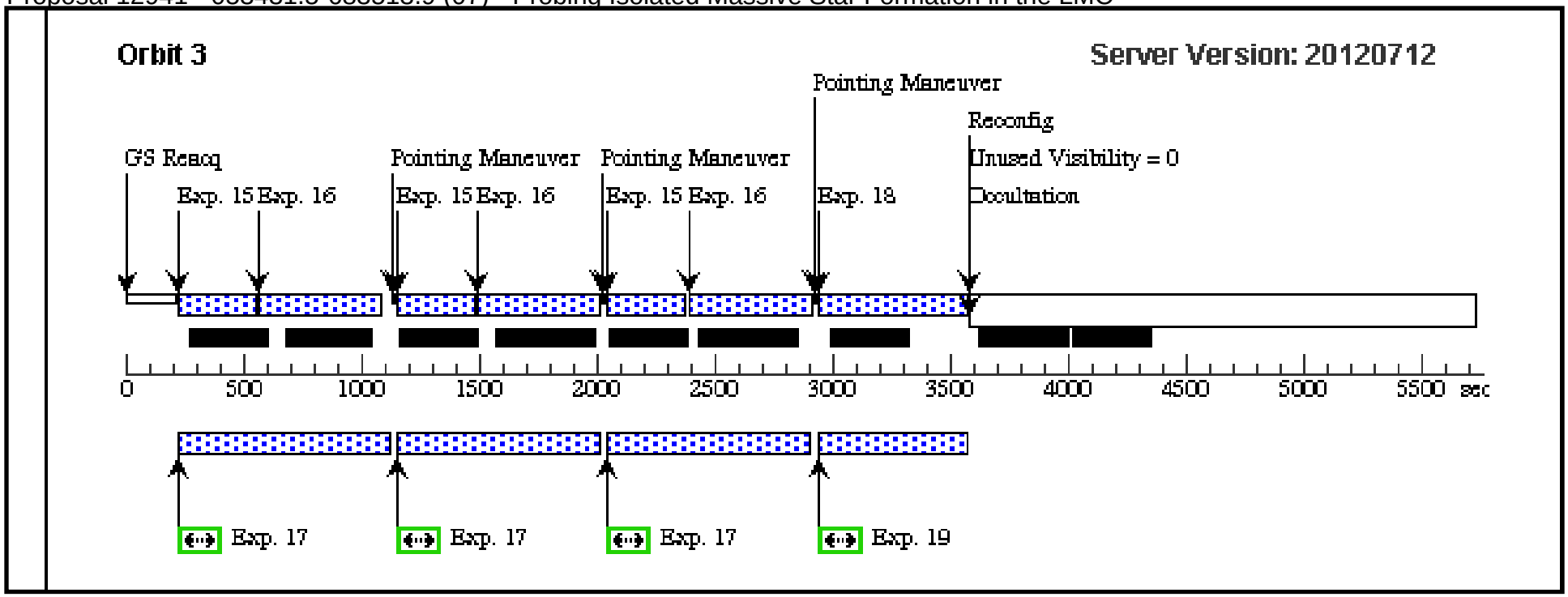
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Server Version: 20120712
Pointing Maneuver
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GS Reacq
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Exp. 15 Exp. 16
Exp. 15 Exp. 16
Exp. 15 Exp. 16
Exp. 18
Occultation
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Exp. 17
Exp. 17
Exp. 19