



12477 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

Cycle: 19, Proposal Category: GO

(Availability Mode: SUPPORTED)

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VISITS

Proposal 12477 (STScI Edit Number: 4, Created: Friday, August 19, 2011 8:26:03 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SPT-CLJ2106-5844	ACS/WFC	1	19-Aug-2011 21:24:13.0	yes
02	(1) SPT-CLJ2106-5844	ACS/WFC	1	19-Aug-2011 21:24:17.0	yes
03	(1) SPT-CLJ2106-5844	ACS/WFC	1	19-Aug-2011 21:24:21.0	yes
04	(1) SPT-CLJ2106-5844	ACS/WFC	1	19-Aug-2011 21:24:24.0	yes
05	(1) SPT-CLJ2106-5844	ACS/WFC	1	19-Aug-2011 21:24:27.0	yes
06	(2) SPT-CLJ2342-5411	ACS/WFC	1	19-Aug-2011 21:24:30.0	yes
07	(2) SPT-CLJ2342-5411	ACS/WFC	1	19-Aug-2011 21:24:33.0	yes
08	(2) SPT-CLJ2342-5411	ACS/WFC	1	19-Aug-2011 21:24:36.0	yes
09	(2) SPT-CLJ2342-5411	ACS/WFC	1	19-Aug-2011 21:24:39.0	yes
10	(2) SPT-CLJ2342-5411	ACS/WFC	1	19-Aug-2011 21:24:42.0	yes
11	(3) SPT-CLJ0546-5345	ACS/WFC	1	19-Aug-2011 21:24:45.0	yes
12	(3) SPT-CLJ0546-5345	ACS/WFC	1	19-Aug-2011 21:24:48.0	yes
13	(3) SPT-CLJ0546-5345	ACS/WFC	1	19-Aug-2011 21:24:51.0	yes
14	(3) SPT-CLJ0546-5345	ACS/WFC	1	19-Aug-2011 21:24:53.0	yes
15	(3) SPT-CLJ0546-5345	ACS/WFC	1	19-Aug-2011 21:24:56.0	yes
16	(4) SPT-CLJ0615-5746	ACS/WFC	1	19-Aug-2011 21:24:59.0	yes
17	(4) SPT-CLJ0615-5746	ACS/WFC	1	19-Aug-2011 21:25:05.0	yes
18	(4) SPT-CLJ0615-5746	ACS/WFC	1	19-Aug-2011 21:25:10.0	yes
19	(4) SPT-CLJ0615-5746	ACS/WFC	1	19-Aug-2011 21:25:13.0	yes
20	(4) SPT-CLJ0615-5746	ACS/WFC	1	19-Aug-2011 21:25:16.0	yes
21	(5) SPT-CLJ0205-5829	ACS/WFC	1	19-Aug-2011 21:25:19.0	yes
22	(5) SPT-CLJ0205-5829	ACS/WFC	1	19-Aug-2011 21:25:22.0	yes
23	(5) SPT-CLJ0205-5829	ACS/WFC	1	19-Aug-2011 21:25:25.0	yes
24	(5) SPT-CLJ0205-5829	ACS/WFC	1	19-Aug-2011 21:25:28.0	yes
25	(5) SPT-CLJ0205-5829	ACS/WFC	1	19-Aug-2011 21:25:30.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
26	(6) SPT-CLJ2040-5726	ACS/WFC	1	19-Aug-2011 21:25:33.0	yes
27	(6) SPT-CLJ2040-5726	ACS/WFC	1	19-Aug-2011 21:25:37.0	yes
28	(6) SPT-CLJ2040-5726	ACS/WFC	1	19-Aug-2011 21:25:39.0	yes
29	(6) SPT-CLJ2040-5726	ACS/WFC	1	19-Aug-2011 21:25:42.0	yes
30	(6) SPT-CLJ2040-5726	ACS/WFC	1	19-Aug-2011 21:25:45.0	yes
31	(7) SPT-CLJ0102-4915	ACS/WFC	1	19-Aug-2011 21:25:48.0	yes
32	(7) SPT-CLJ0102-4915	ACS/WFC	1	19-Aug-2011 21:25:51.0	yes
33	(7) SPT-CLJ0102-4915	ACS/WFC	1	19-Aug-2011 21:25:53.0	yes
34	(7) SPT-CLJ0102-4915	ACS/WFC	1	19-Aug-2011 21:25:56.0	yes
35	(7) SPT-CLJ0102-4915	ACS/WFC	1	19-Aug-2011 21:25:59.0	yes

35 Total Orbits Used

ABSTRACT

The South Pole Telescope (SPT) has detected clusters above a nearly uniform mass threshold over an extremely broad range in redshift by searching for the Sunyaev-Zel'dovich effect. The observed abundance of clusters from such a sample is directly sensitive to the growth function of matter perturbations over the majority of the history of the universe, and thereby provides crucial constraints on dark energy with systematics that are complementary to traditional distance-based measures. The dominant source of uncertainty on dark energy constraints from this technique is our estimate of total cluster mass. We request HST observations of seven clusters of mass $(0.3-1) \times 10^{15} M_{\text{sun}}$ at $0.93 < z < 1.2$ in order to obtain weak lensing mass measurements of these systems. While the gas and dark-matter properties of clusters out to redshift $z \sim 0.4$ have been well studied, this is the first time this analysis has been extended to such high-mass clusters at $z \sim 1$. Empirically verifying whether these clusters have bulk matter properties similar to the better understood local samples is necessary for obtaining the best possible estimates of cosmological parameters. This is the critical high-redshift complement to our recently approved weak lensing observations of seven $0.6 < z < 0.9$ clusters with HST Cycle 18, and ten $0.3 < z < 0.6$ clusters using Megacam at the Magellan 6.5 m in Chile. The weak lensing mass estimates will be combined with existing SZ, Chandra and XMM, Spitzer/IRAC, and optical data that have already been obtained or are scheduled for later this year, as part of a multi-wavelength, multi-technique effort to measure cluster masses with minimal systematic error.

OBSERVING DESCRIPTION

For each cluster, we have specified a simple 2x2 mosaic pattern for the ACS/WFC through the F606W filter, with (10%, 5%) overlap of the (rows, columns). Each of the tiles employs the default, 4-point box dither pattern. We require these 4 visits to be within 4 orbits of one another and at the same orientation, but the order of the visits, as well as the orientation of the first visit, are left unconstrained. We specify this constraint because our weak lensing shape measurements require maximum PSF stability. LOW SKY is required for all exposures because we need the greatest density of lensed background galaxies possible.

Finally, the 5th visit for each cluster is centered at the cluster center, using the ACS/WFC F814W filter. This visit can be at any orientation w.r.t. the other 4 visits in the F606W mosaic, and so its orientation is left unconstrained. We again require LOW SKY. We use a linear 4 point dither pattern that covers the chip gap and ensures coverage by at least 3 exposures at the chip-gap location, which will be at the cluster center.

The above strategy is repeated for all 7 clusters. The strategy we've implemented here is meant to exactly replicate that which was implemented for our Cycle 18 program (12246).

Proposal 12477 - Visit 01 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

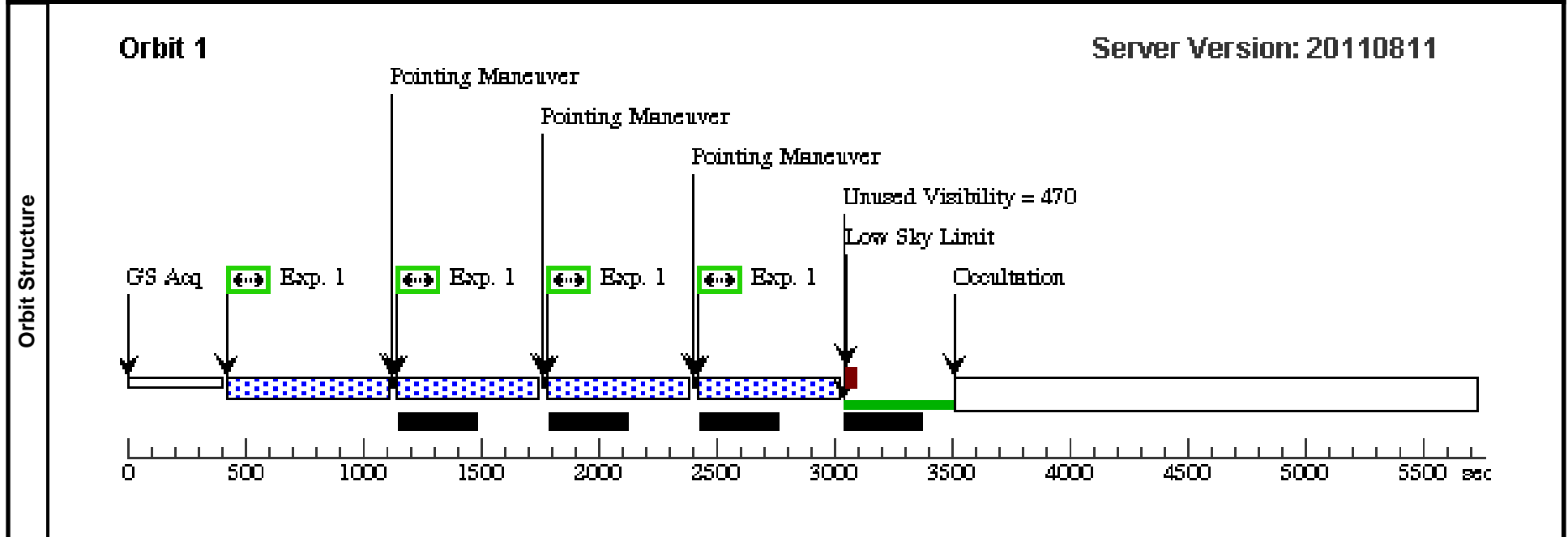
Sat Aug 20 01:26:04 GMT 2011

Visit	Proposal 12477, Visit 01, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SPT-CLJ2106-5844	RA: 21 06 3.6000 (316.5150000d) Dec: -58 44 38.40 (-58.74400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SPT-CLJ2106-5844	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG -96.139 23740221945,-106.1 6329118877118; LOW-SKY	Pattern 1, Exps 1-1 in Tile Visit 01 (1)	480 Secs	[1]



Proposal 12477 - Visit 02 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

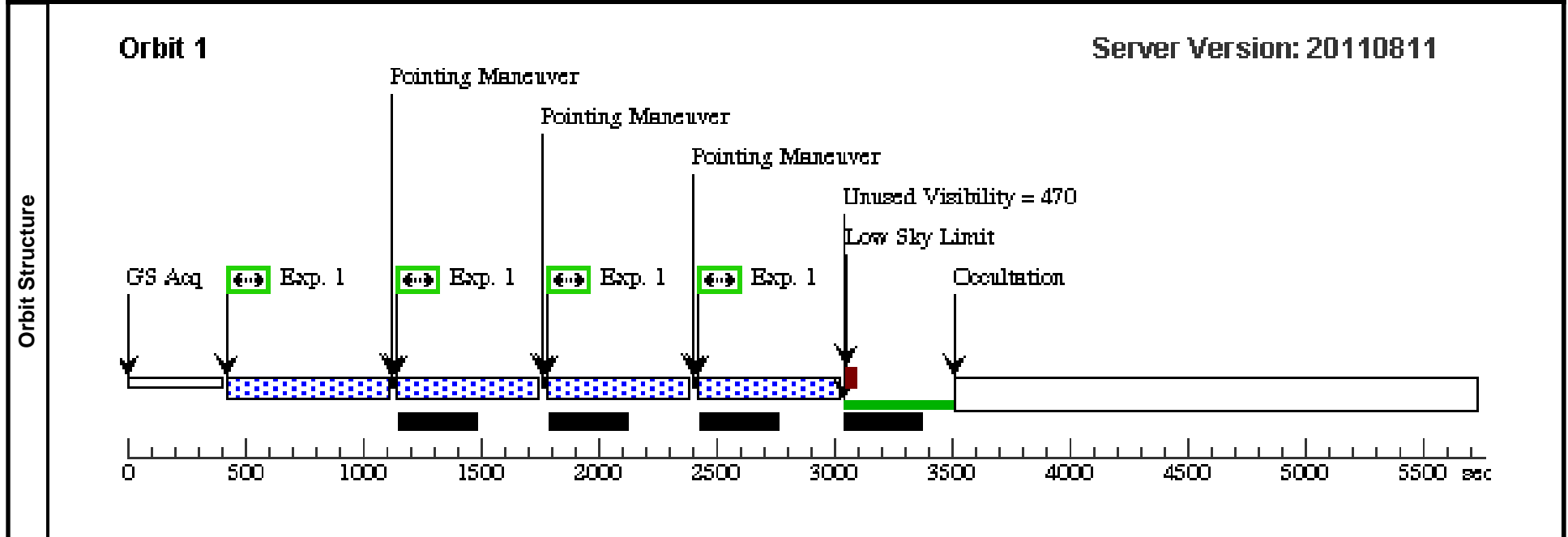
Sat Aug 20 01:26:06 GMT 2011

Visit	Proposal 12477, Visit 02, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 01		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SPT-CLJ2106-5844	RA: 21 06 3.6000 (316.5150000d) Dec: -58 44 38.40 (-58.74400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SPT-CLJ2106-5844	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 97.8737 8850981789,-92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 02 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 03 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

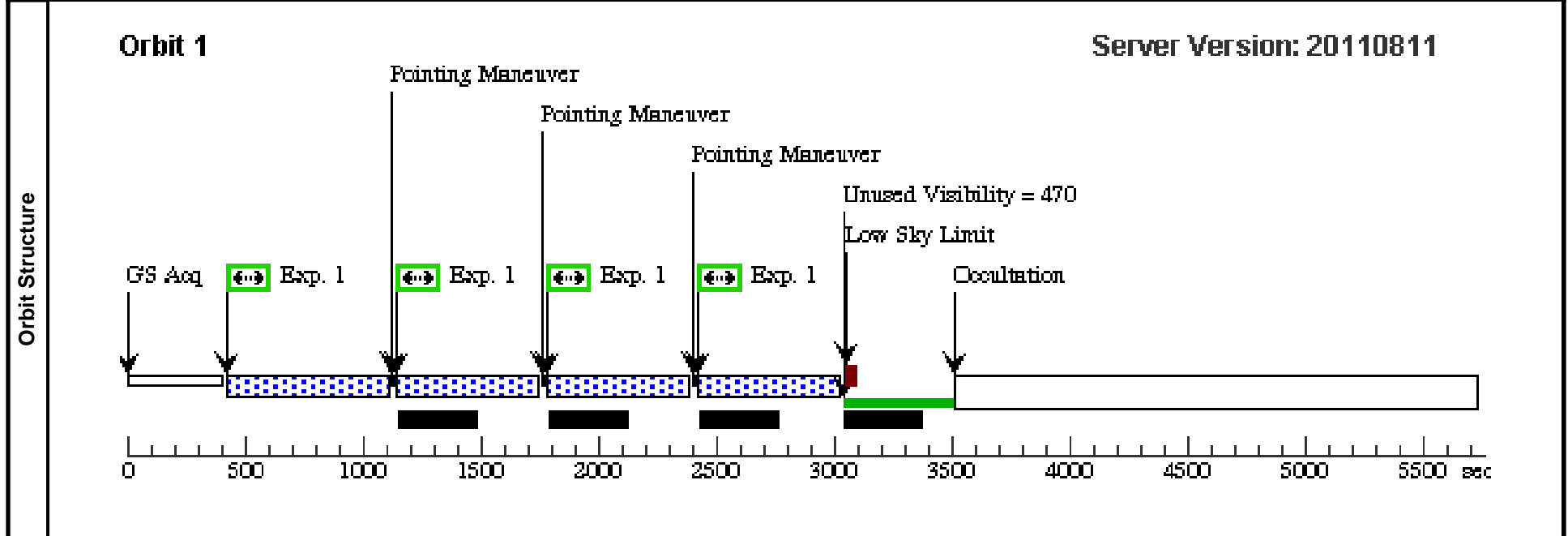
Sat Aug 20 01:26:06 GMT 2011

Visit	Proposal 12477, Visit 03, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 01		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SPT-CLJ2106-5844	RA: 21 06 3.6000 (316.5150000d) Dec: -58 44 38.40 (-58.74400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SPT-CLJ2106-5844	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -97.873 78850981786,92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 03 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 04 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

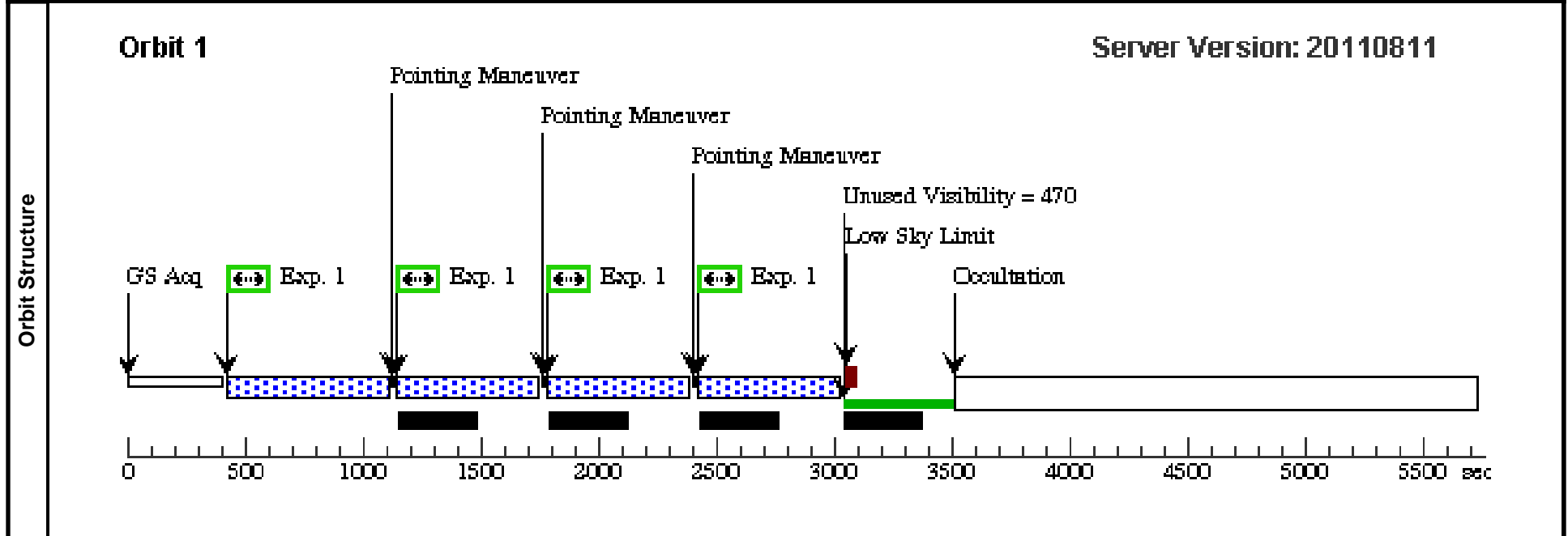
Sat Aug 20 01:26:07 GMT 2011

Visit	Proposal 12477, Visit 04, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 01		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SPT-CLJ2106-5844	RA: 21 06 3.6000 (316.5150000d) Dec: -58 44 38.40 (-58.74400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SPT-CLJ2106-5844	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 96.1392 3740221948,106.163 29118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 04 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 05 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

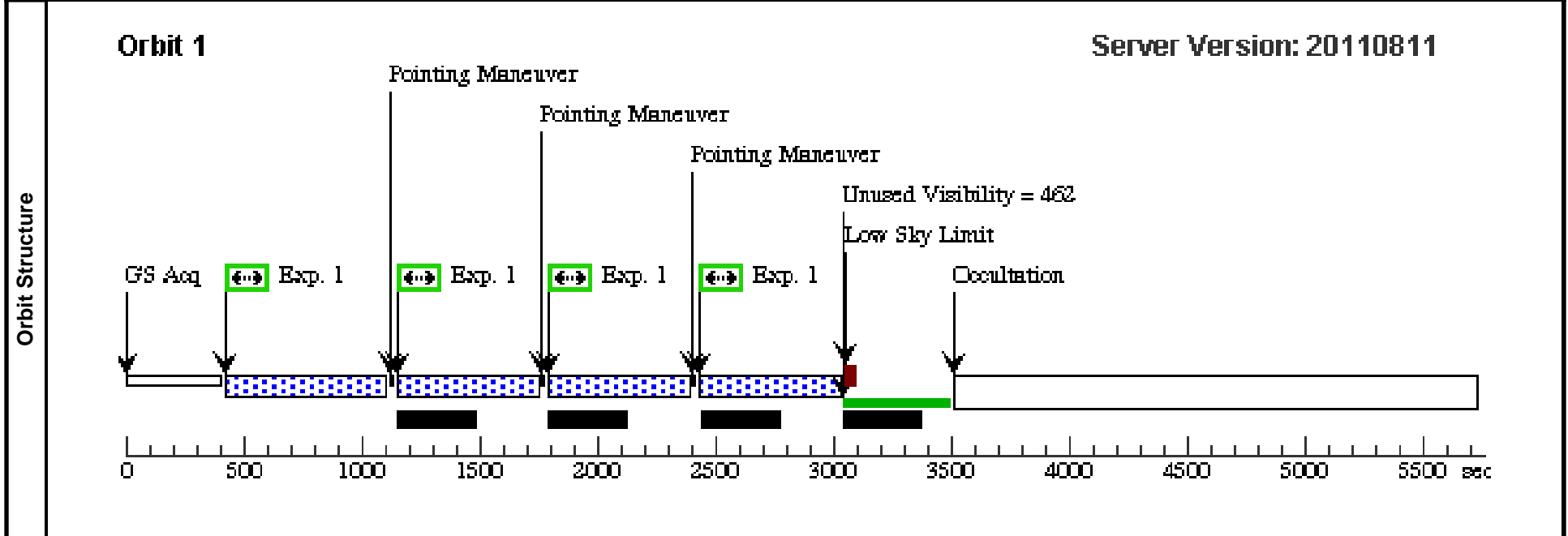
Sat Aug 20 01:26:07 GMT 2011

Visit	Proposal 12477, Visit 05, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=true	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SPT-CLJ2106-5844	RA: 21 06 3.6000 (316.5150000d) Dec: -58 44 38.40 (-58.74400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SPT-CLJ2106-5844	ACS/WFC, ACCUM, WFCENTER	F814W		LOW-SKY	Pattern 2, Exps 1-1 in Tile Visit 05 (2)	479 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 12477 - Visit 06 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

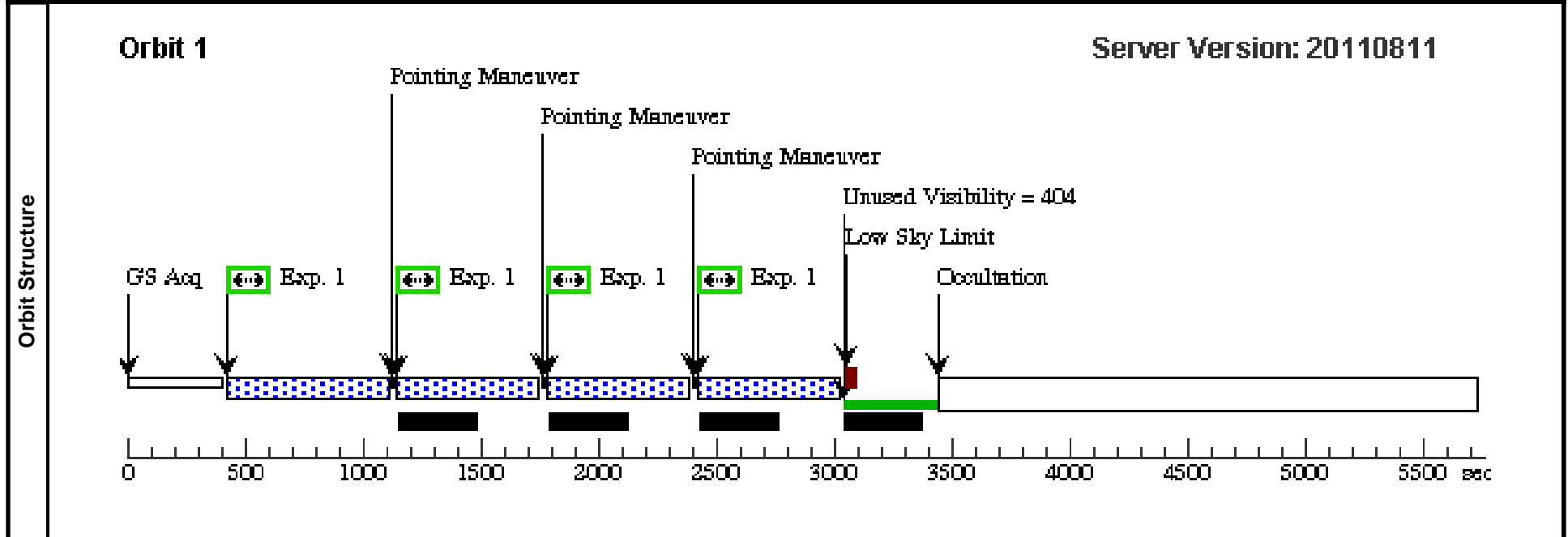
Sat Aug 20 01:26:07 GMT 2011

Visit	Proposal 12477, Visit 06, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	SPT-CLJ2342-5411	RA: 23 42 45.6000 (355.6900000d) Dec: -54 11 20.40 (-54.18900d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SPT-CLJ2342-5411	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -96.139 23740221945,-106.1 6329118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 06 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 07 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

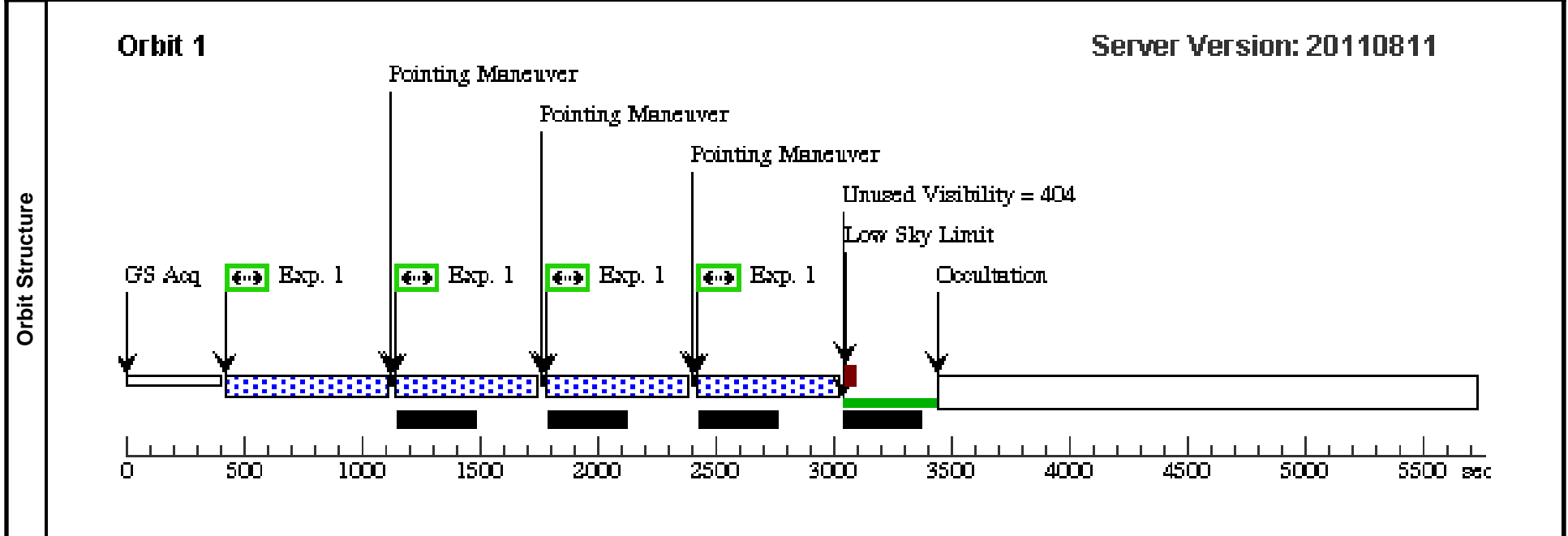
Sat Aug 20 01:26:08 GMT 2011

Visit	Proposal 12477, Visit 07, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 06		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	SPT-CLJ2342-5411	RA: 23 42 45.6000 (355.6900000d) Dec: -54 11 20.40 (-54.18900d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SPT-CLJ2342-5411	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 97.8737 8850981789,-92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 07 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 08 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

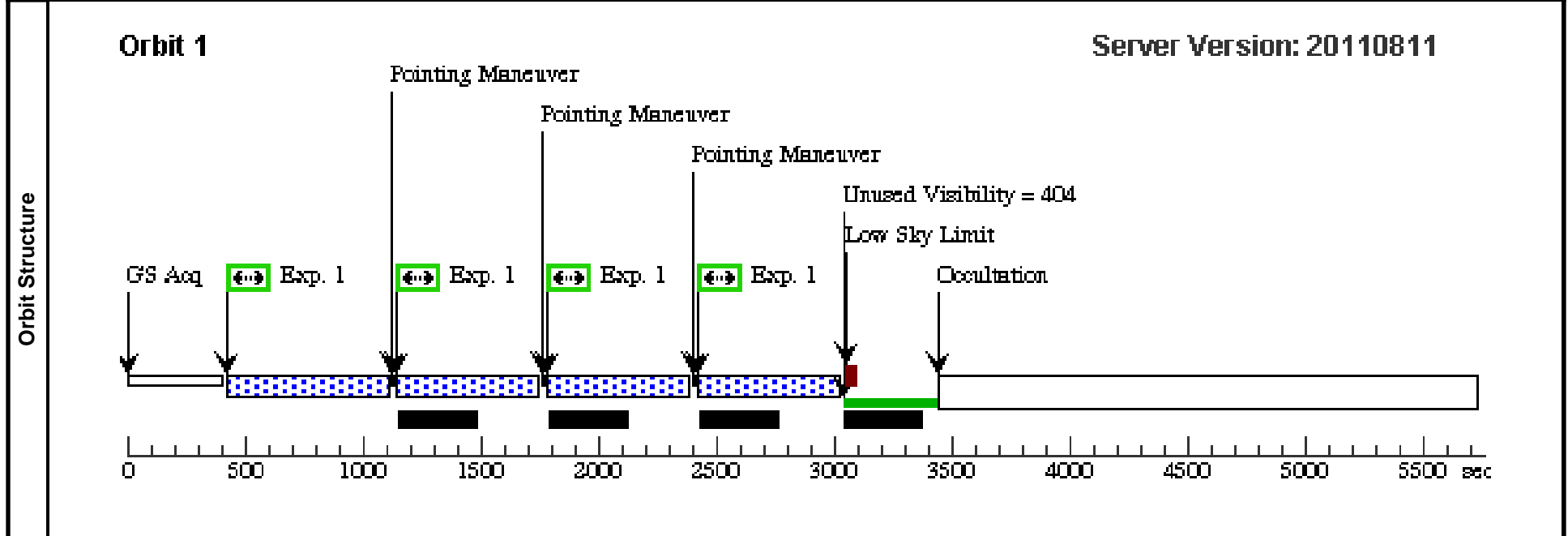
Sat Aug 20 01:26:08 GMT 2011

Visit	Proposal 12477, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 06		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	SPT-CLJ2342-5411	RA: 23 42 45.6000 (355.6900000d) Dec: -54 11 20.40 (-54.18900d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SPT-CLJ2342-5411	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG -97.873 78850981786,92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 08 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 12477 - Visit 09 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

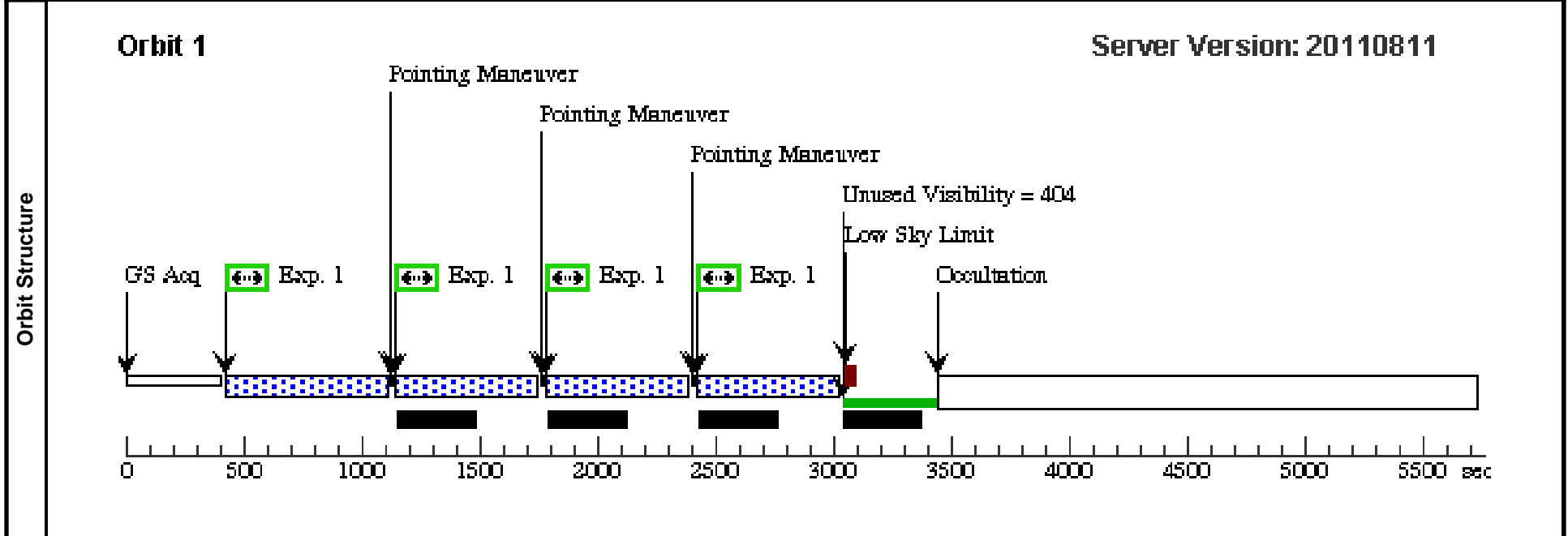
Sat Aug 20 01:26:08 GMT 2011

Visit	Proposal 12477, Visit 09, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 06		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	SPT-CLJ2342-5411	RA: 23 42 45.6000 (355.6900000d) Dec: -54 11 20.40 (-54.18900d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SPT-CLJ2342-5411	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 96.1392 3740221948,106.163 29118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 09 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 10 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

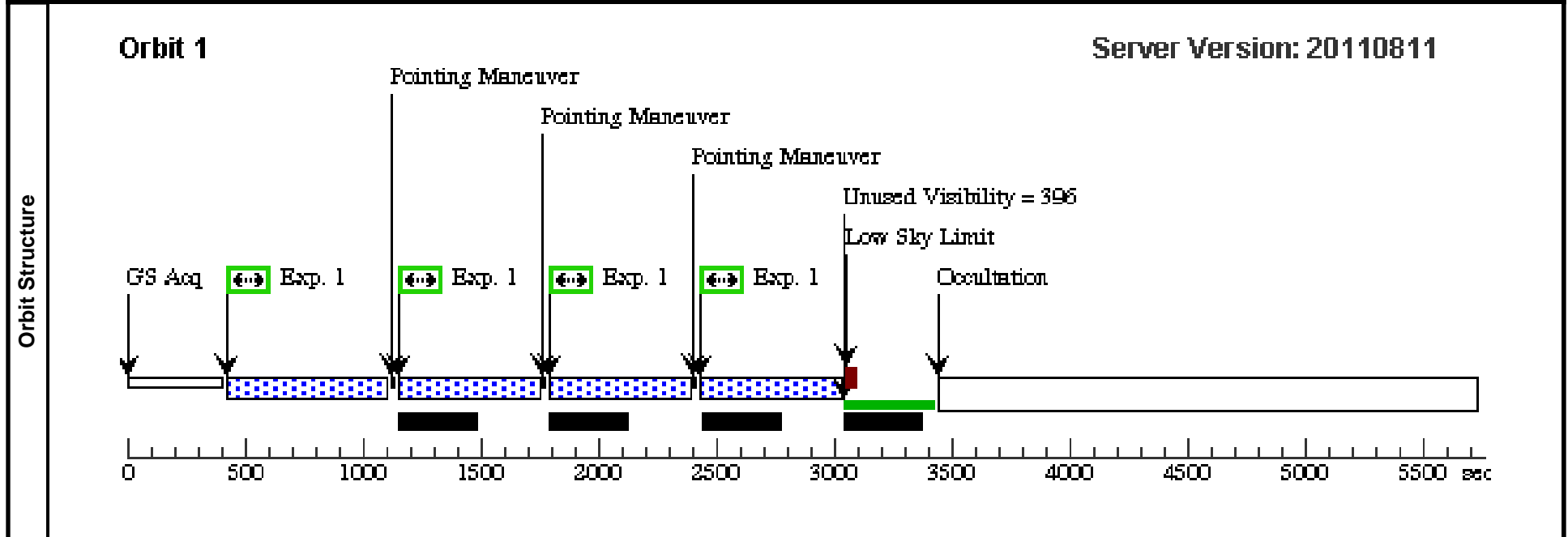
Sat Aug 20 01:26:09 GMT 2011

Visit	Proposal 12477, Visit 10, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=true	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	SPT-CLJ2342-5411	RA: 23 42 45.6000 (355.6900000d) Dec: -54 11 20.40 (-54.18900d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SPT-CLJ2342-5411	ACS/WFC, ACCUM, WFCENTER	F814W			LOW-SKY	Pattern 2, Exps 1-1 in Tile Visit 10 (2)	479 Secs
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 12477 - Visit 11 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

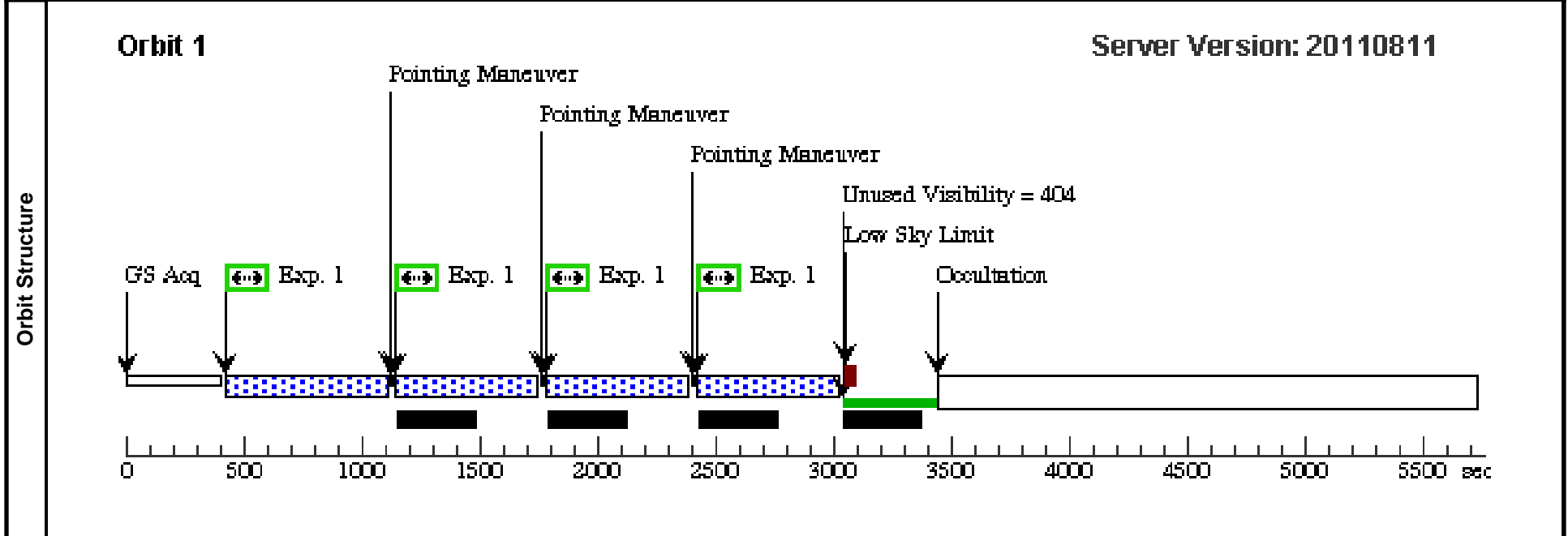
Sat Aug 20 01:26:09 GMT 2011

Visit	Proposal 12477, Visit 11, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SPT-CLJ0546-5345	RA: 05 46 36.9600 (86.6540000d) Dec: -53 45 39.60 (-53.76100d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) SPT-CLJ0546-5345	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -96.139 23740221945,-106.1 6329118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 11 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 12 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

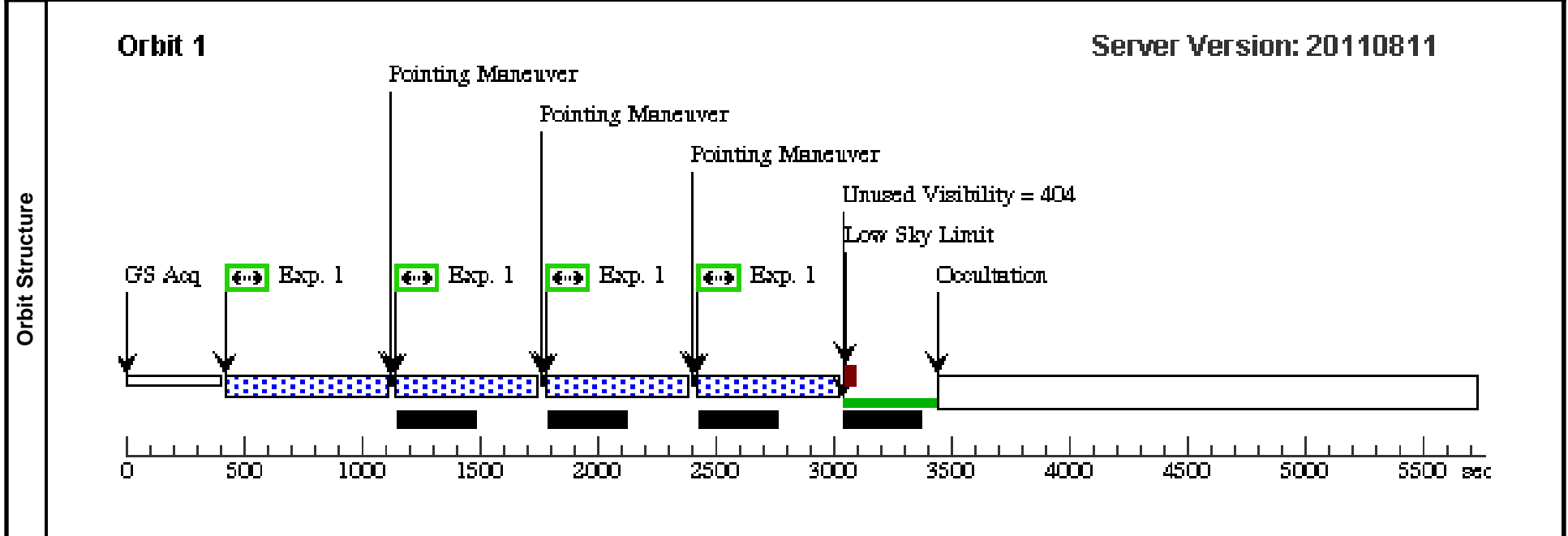
Sat Aug 20 01:26:10 GMT 2011

Visit	Proposal 12477, Visit 12, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 11		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SPT-CLJ0546-5345	RA: 05 46 36.9600 (86.6540000d) Dec: -53 45 39.60 (-53.76100d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) SPT-CLJ0546-5345	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 97.8737 8850981789,-92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 in Tile Visit 12 (1)	480 Secs	[1]



Proposal 12477 - Visit 13 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

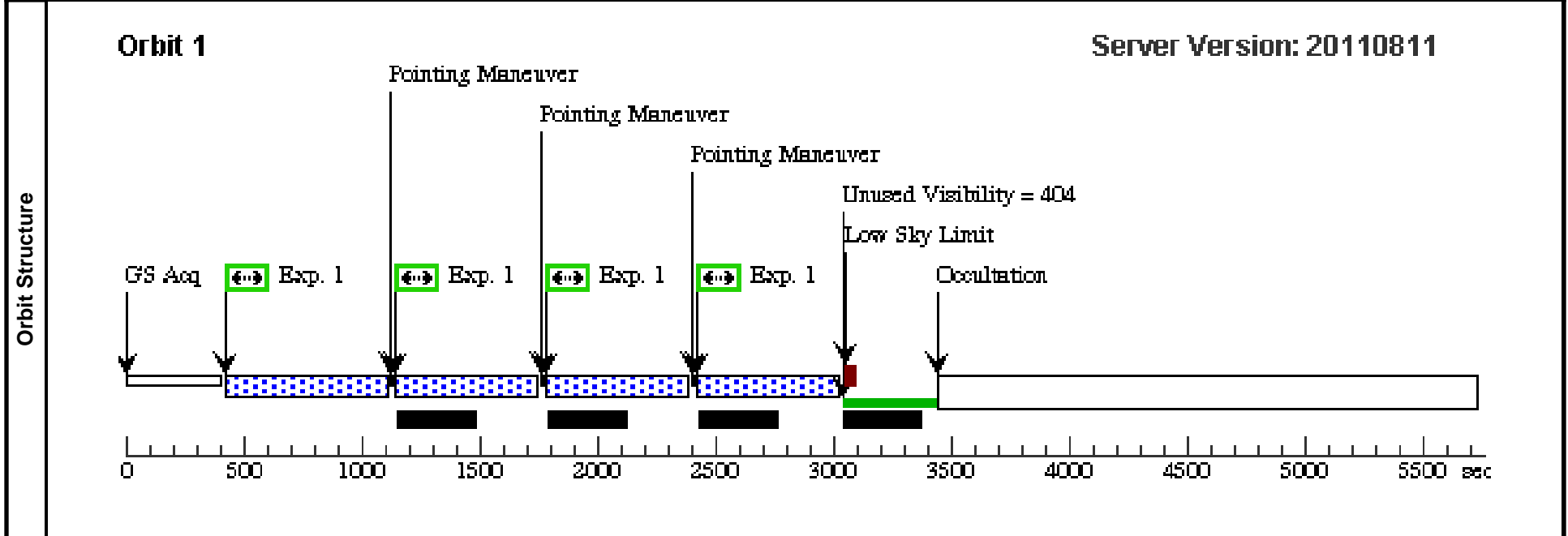
Sat Aug 20 01:26:10 GMT 2011

Visit	Proposal 12477, Visit 13, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 11		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SPT-CLJ0546-5345	RA: 05 46 36.9600 (86.6540000d) Dec: -53 45 39.60 (-53.76100d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) SPT-CLJ0546-5345	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -97.873 78850981786,92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 13 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 14 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

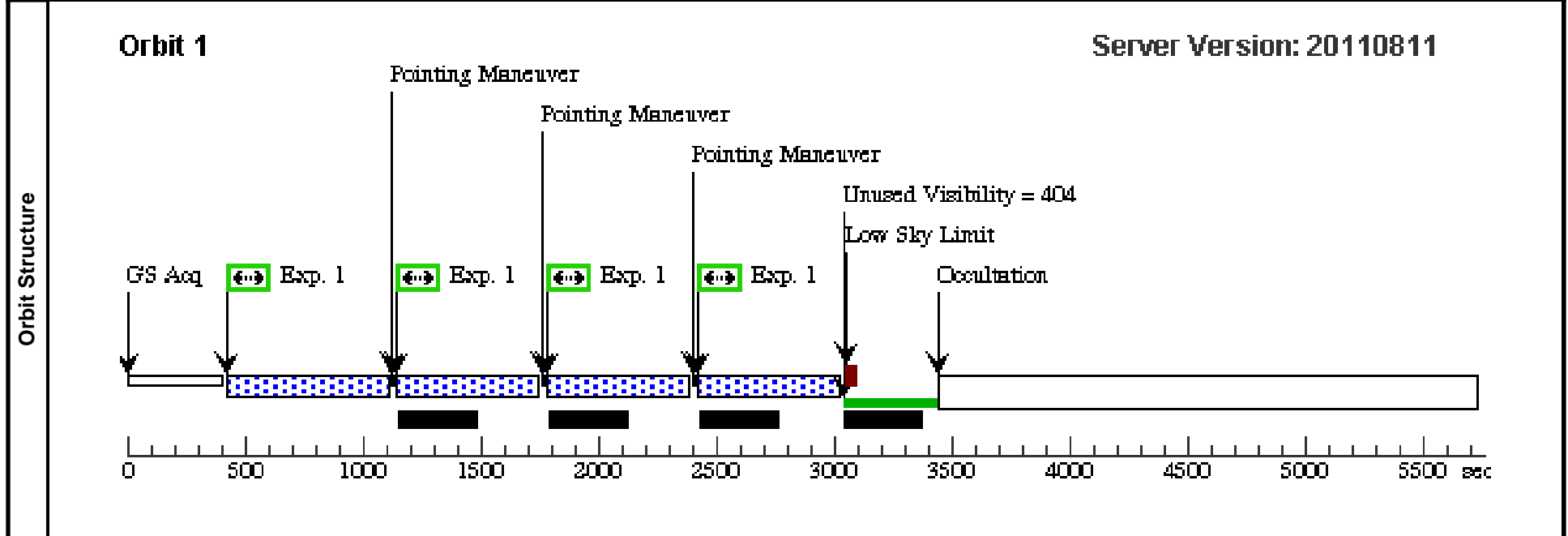
Sat Aug 20 01:26:10 GMT 2011

Visit	Proposal 12477, Visit 14, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 11		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SPT-CLJ0546-5345	RA: 05 46 36.9600 (86.6540000d) Dec: -53 45 39.60 (-53.76100d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) SPT-CLJ0546-5345	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 96.1392 3740221948,106.163 29118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 14 (1)	480 Secs	[1]



Proposal 12477 - Visit 15 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

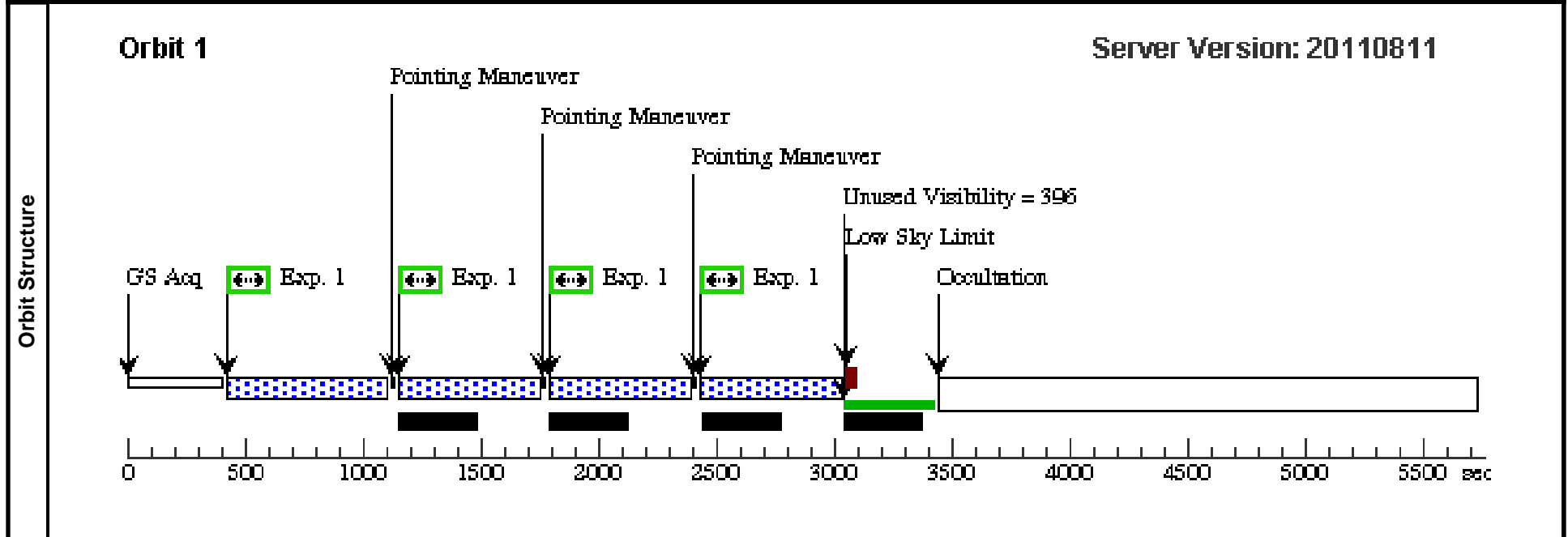
Sat Aug 20 01:26:10 GMT 2011

Visit	Proposal 12477, Visit 15, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=true	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SPT-CLJ0546-5345	RA: 05 46 36.9600 (86.6540000d) Dec: -53 45 39.60 (-53.76100d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) SPT-CLJ0546-5345	ACS/WFC, ACCUM, WFCENTER	F814W		LOW-SKY	Pattern 2, Exps 1-1 in Tile Visit 15 (2)	479 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 12477 - Visit 16 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

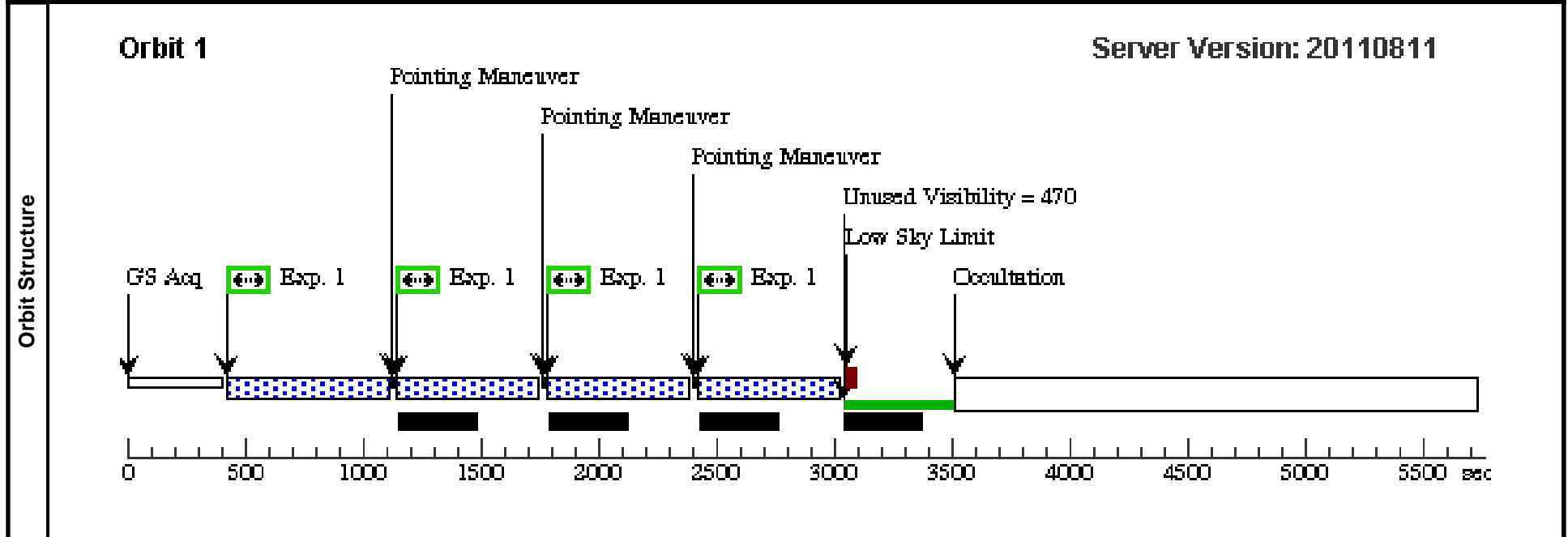
Sat Aug 20 01:26:11 GMT 2011

Visit	Proposal 12477, Visit 16, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	SPT-CLJ0615-5746	RA: 06 15 49.6800 (93.9570000d) Dec: -57 46 40.80 (-57.77800d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) SPT-CLJ0615-5746	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -96.139 23740221945,-106.1 6329118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 16 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 17 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

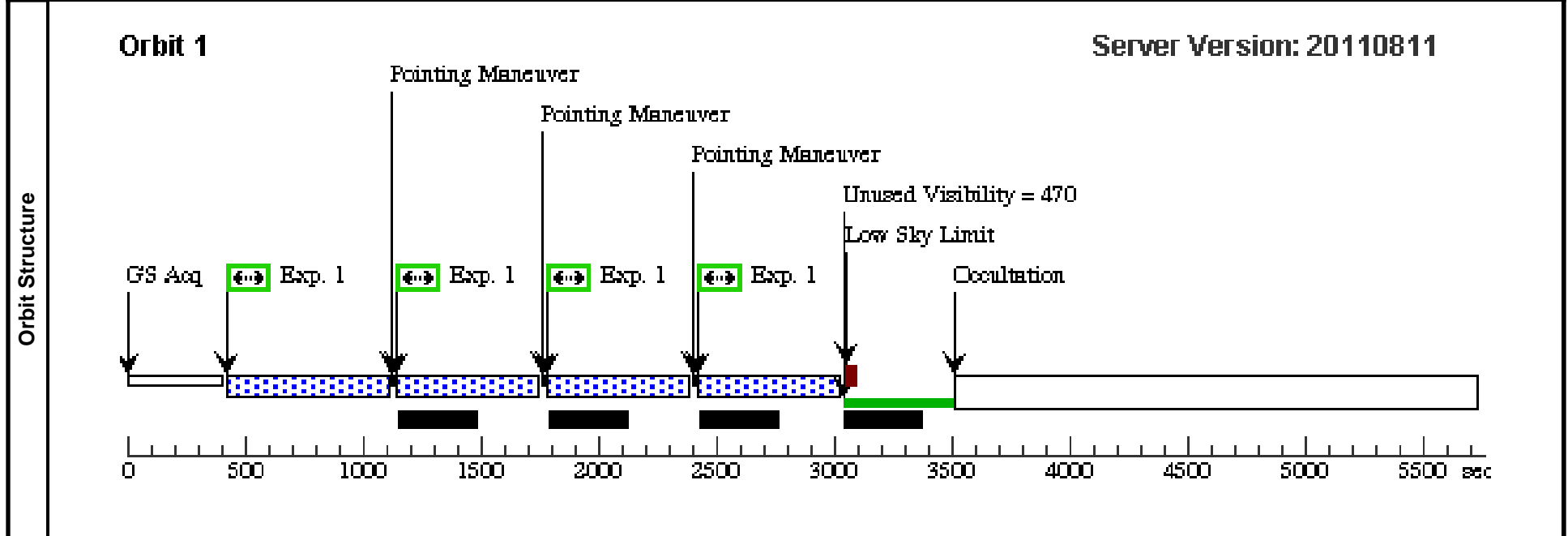
Sat Aug 20 01:26:11 GMT 2011

Visit	Proposal 12477, Visit 17, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 16		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	SPT-CLJ0615-5746	RA: 06 15 49.6800 (93.9570000d) Dec: -57 46 40.80 (-57.77800d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) SPT-CLJ0615-5746	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 97.8737 8850981789,-92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 in Tile Visit 17 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 18 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

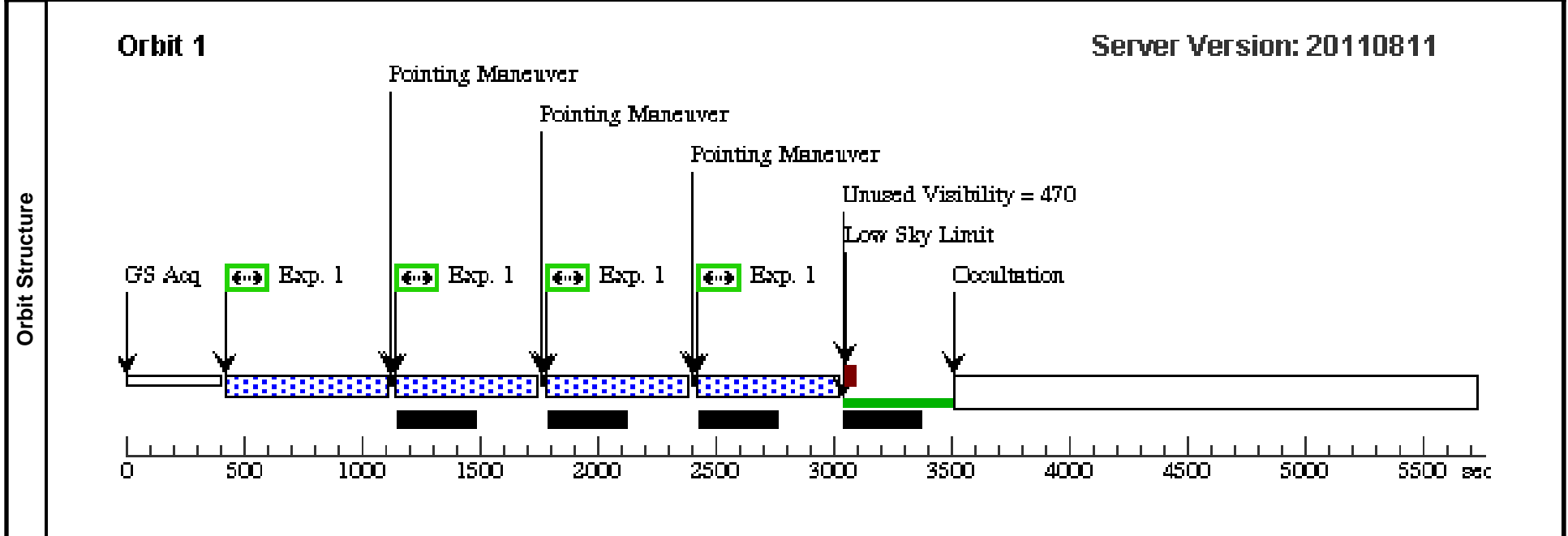
Sat Aug 20 01:26:11 GMT 2011

Visit	Proposal 12477, Visit 18, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 16		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	SPT-CLJ0615-5746	RA: 06 15 49.6800 (93.9570000d) Dec: -57 46 40.80 (-57.77800d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) SPT-CLJ0615-5746	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -97.873 78850981786,92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 18 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 19 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

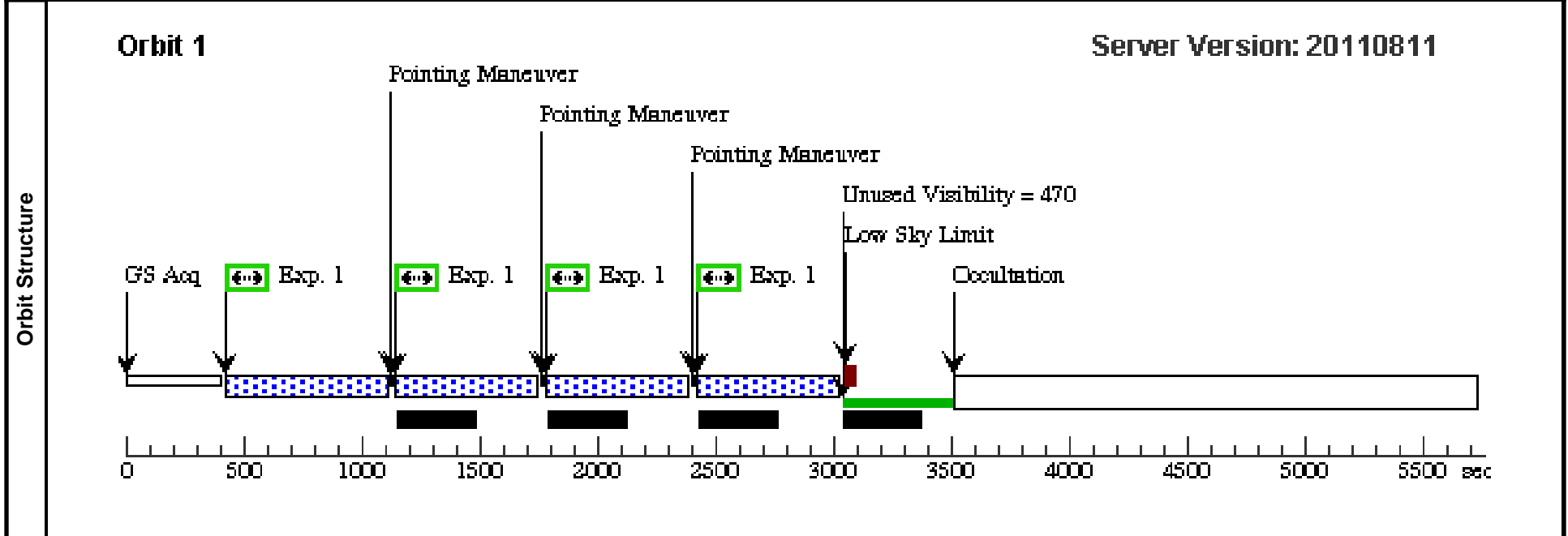
Sat Aug 20 01:26:11 GMT 2011

Visit	Proposal 12477, Visit 19, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 16		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	SPT-CLJ0615-5746	RA: 06 15 49.6800 (93.9570000d) Dec: -57 46 40.80 (-57.77800d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) SPT-CLJ0615-5746	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 96.1392 3740221948,106.163 29118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 19 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 20 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

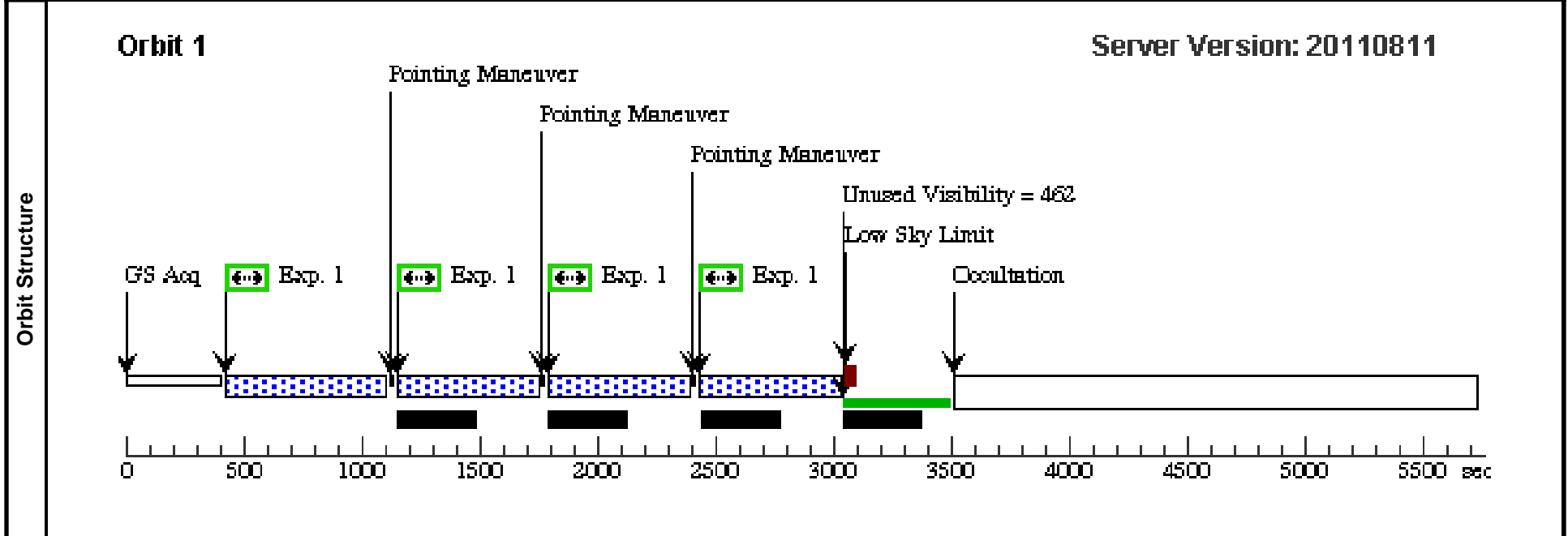
Sat Aug 20 01:26:11 GMT 2011

Visit	Proposal 12477, Visit 20, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)		
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Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	SPT-CLJ0615-5746	RA: 06 15 49.6800 (93.9570000d) Dec: -57 46 40.80 (-57.77800d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) SPT-CLJ0615-5746	ACS/WFC, ACCUM, WFCENTER	F814W		LOW-SKY	Pattern 2, Exps 1-1 in Tile Visit 20 (2)	479 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 12477 - Visit 21 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

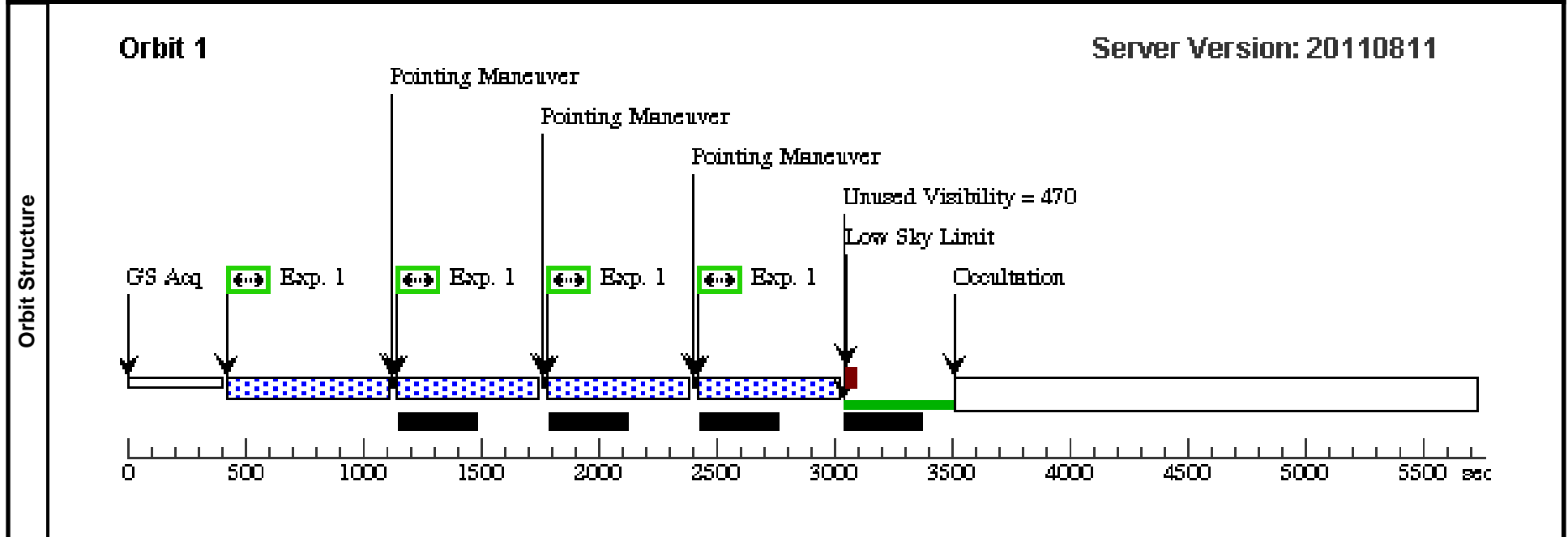
Sat Aug 20 01:26:12 GMT 2011

Visit	Proposal 12477, Visit 21, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SPT-CLJ0205-5829	RA: 02 05 46.0080 (31.4417000d) Dec: -58 29 2.40 (-58.48400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SPT-CLJ0205-5829	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -96.139 23740221945,-106.1 6329118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 21 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 22 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

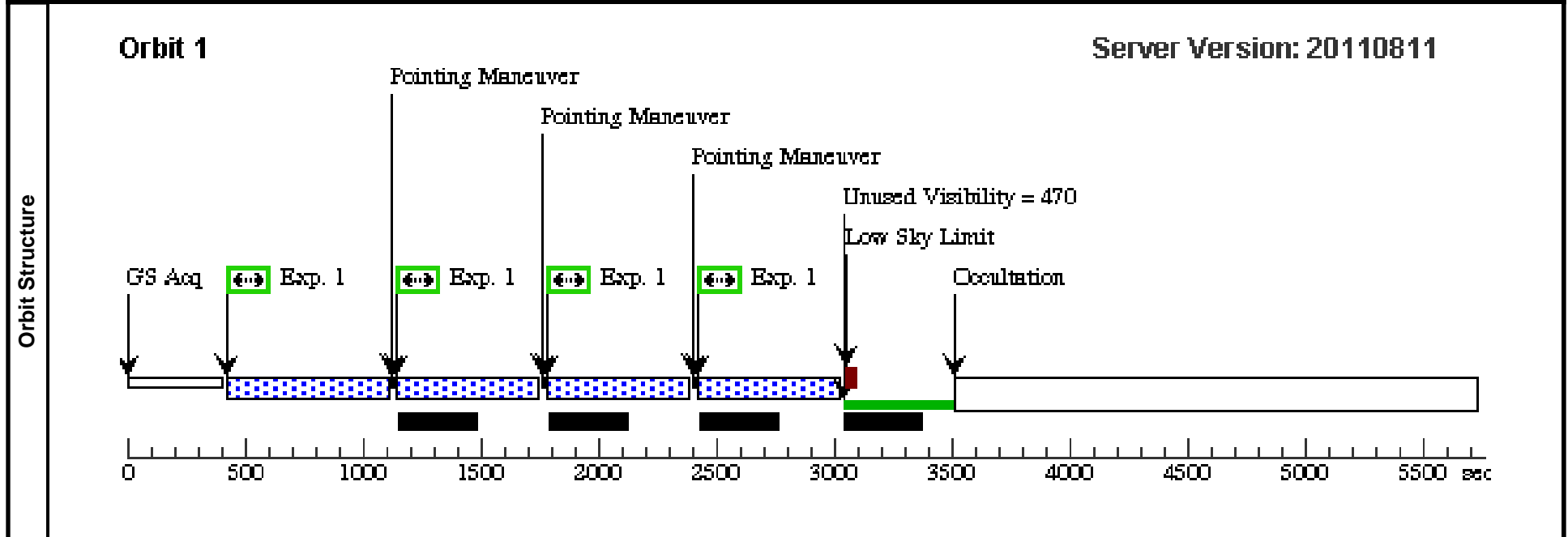
Sat Aug 20 01:26:12 GMT 2011

Visit	Proposal 12477, Visit 22, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 21		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SPT-CLJ0205-5829	RA: 02 05 46.0080 (31.4417000d) Dec: -58 29 2.40 (-58.48400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SPT-CLJ0205-5829	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 97.8737 8850981789,-92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 in Tile Visit 22 (1)	480 Secs	[1]



Proposal 12477 - Visit 23 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

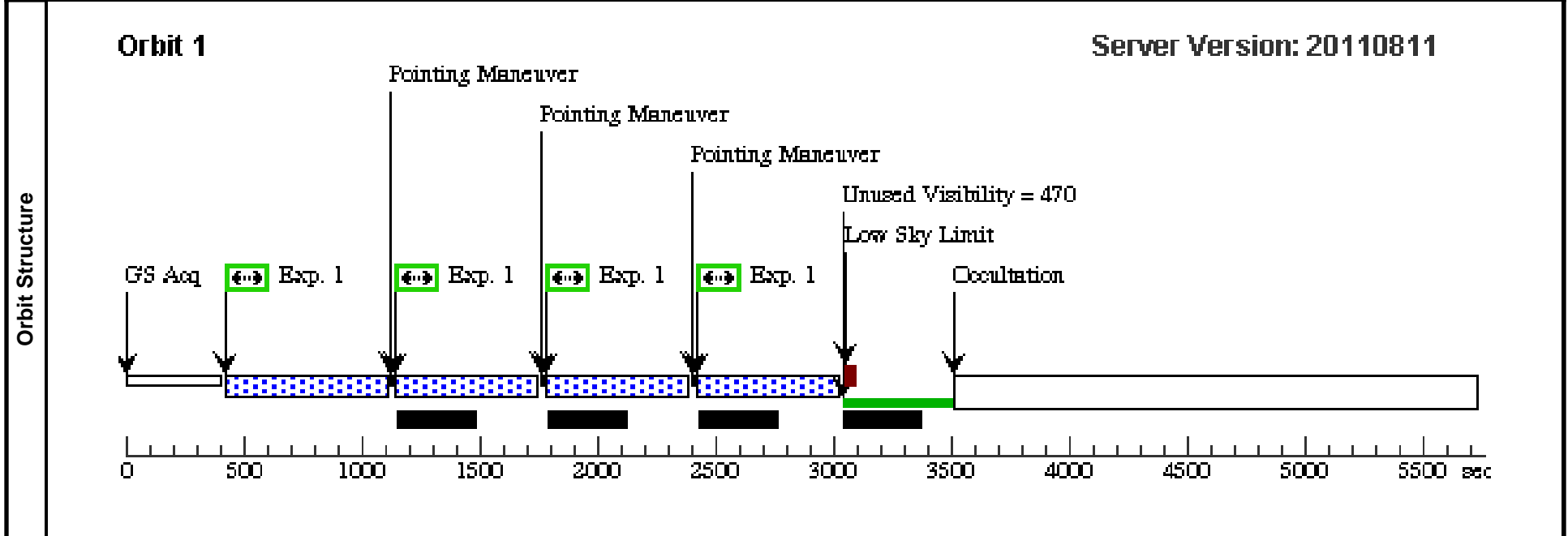
Sat Aug 20 01:26:12 GMT 2011

Visit	Proposal 12477, Visit 23, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 21		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SPT-CLJ0205-5829	RA: 02 05 46.0080 (31.4417000d) Dec: -58 29 2.40 (-58.48400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SPT-CLJ0205-5829	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -97.873 78850981786,92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 23 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 24 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

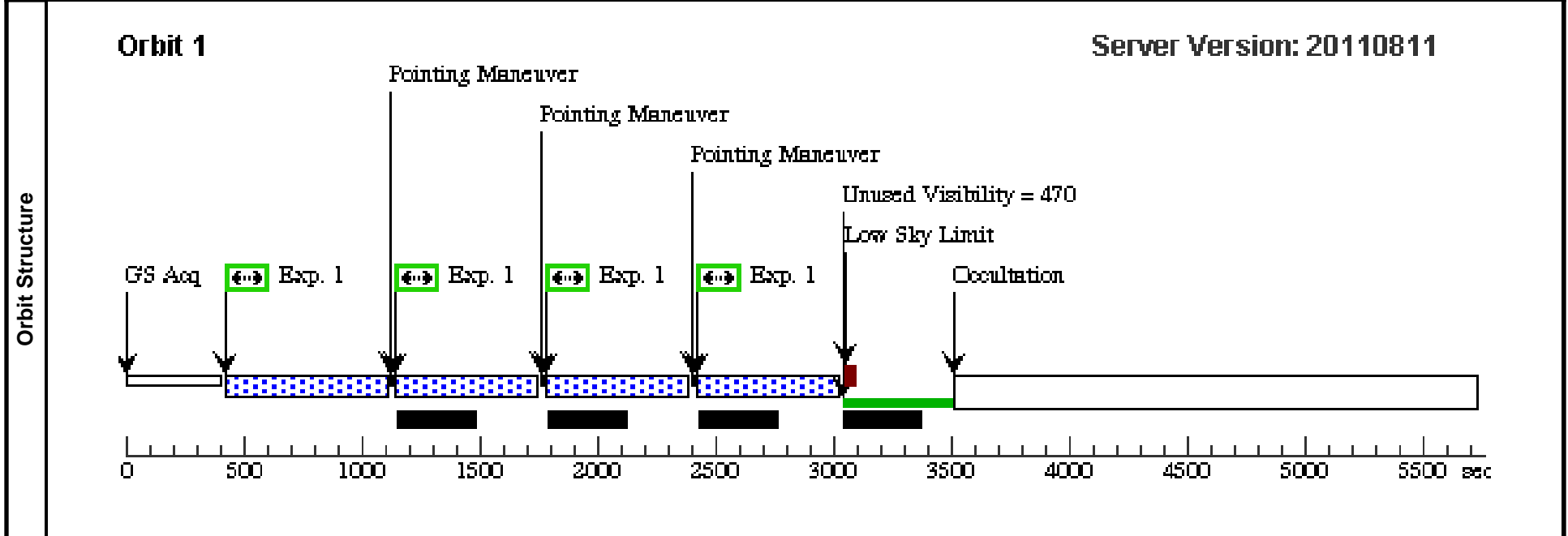
Sat Aug 20 01:26:13 GMT 2011

Visit	Proposal 12477, Visit 24, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 21		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SPT-CLJ0205-5829	RA: 02 05 46.0080 (31.4417000d) Dec: -58 29 2.40 (-58.48400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SPT-CLJ0205-5829	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 96.1392 3740221948,106.163 29118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 24 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 25 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

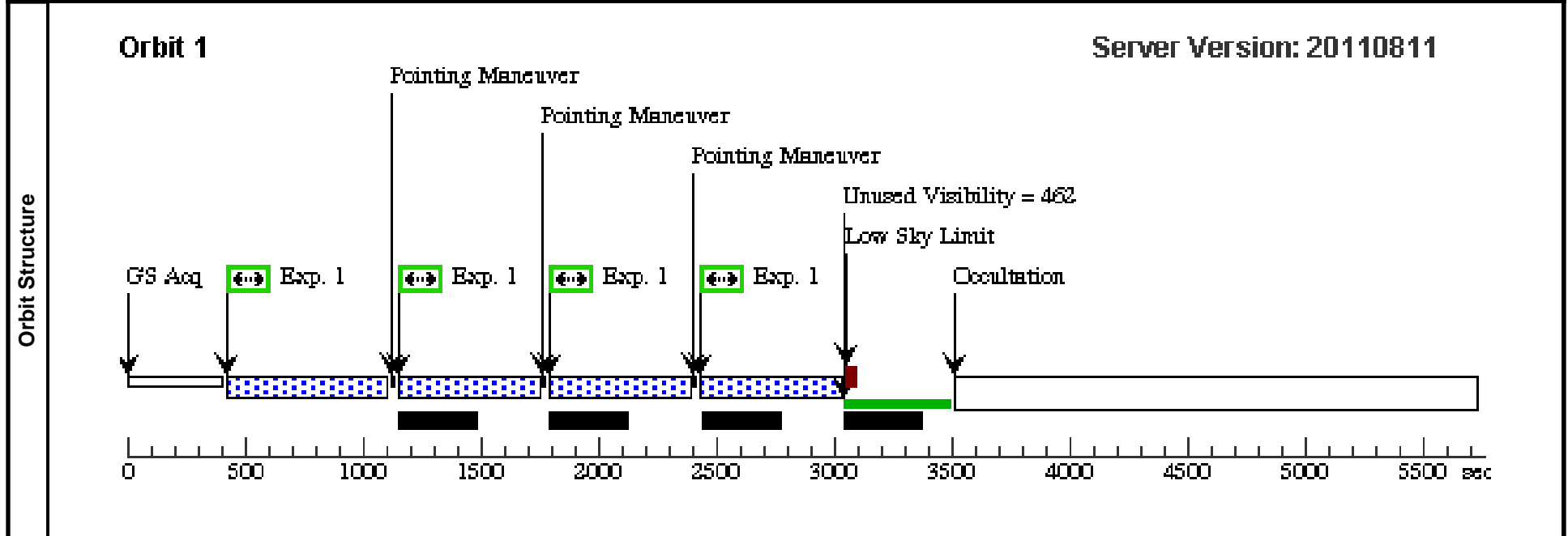
Sat Aug 20 01:26:13 GMT 2011

Visit	Proposal 12477, Visit 25, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=true	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SPT-CLJ0205-5829	RA: 02 05 46.0080 (31.4417000d) Dec: -58 29 2.40 (-58.48400d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SPT-CLJ0205-5829	ACS/WFC, ACCUM, WFCENTER	F814W			LOW-SKY	Pattern 2, Exps 1-1 in Tile Visit 25 (2)	479 Secs
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 12477 - Visit 26 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

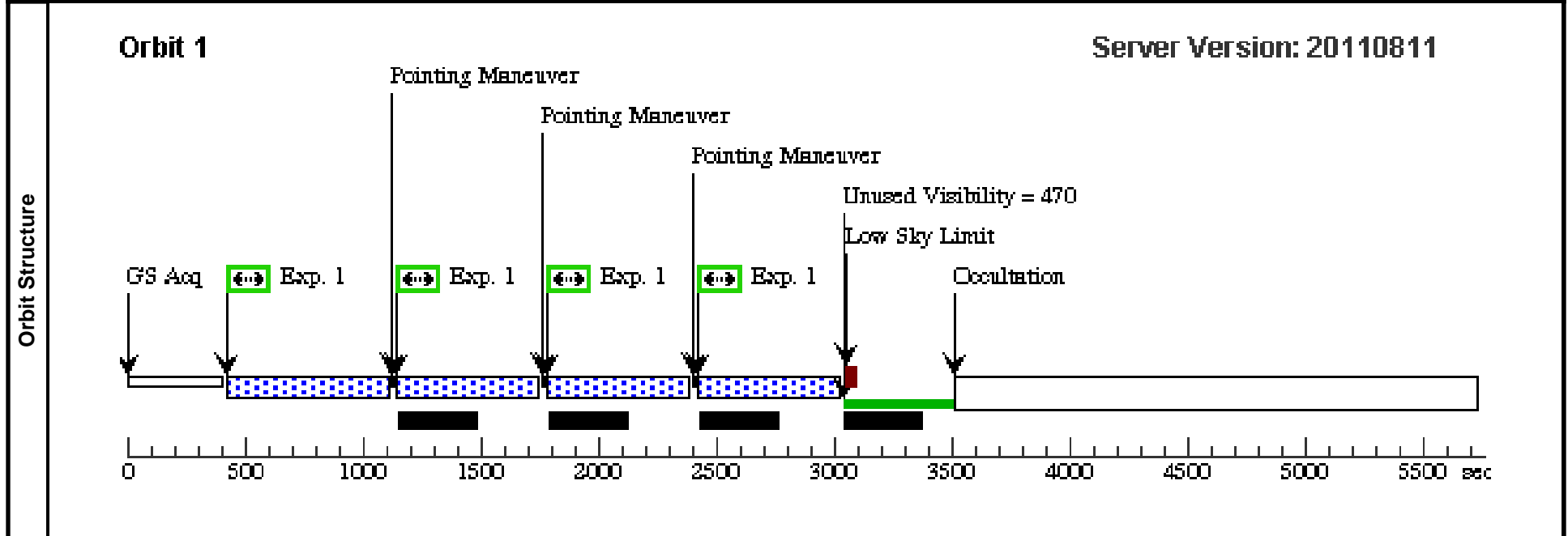
Sat Aug 20 01:26:13 GMT 2011

Visit	Proposal 12477, Visit 26, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	SPT-CLJ2040-5726	RA: 20 40 13.4400 (310.0560000d) Dec: -57 25 43.68 (-57.42880d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) SPT-CLJ2040-5726	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -96.139 23740221945,-106.1 6329118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 26 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 27 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

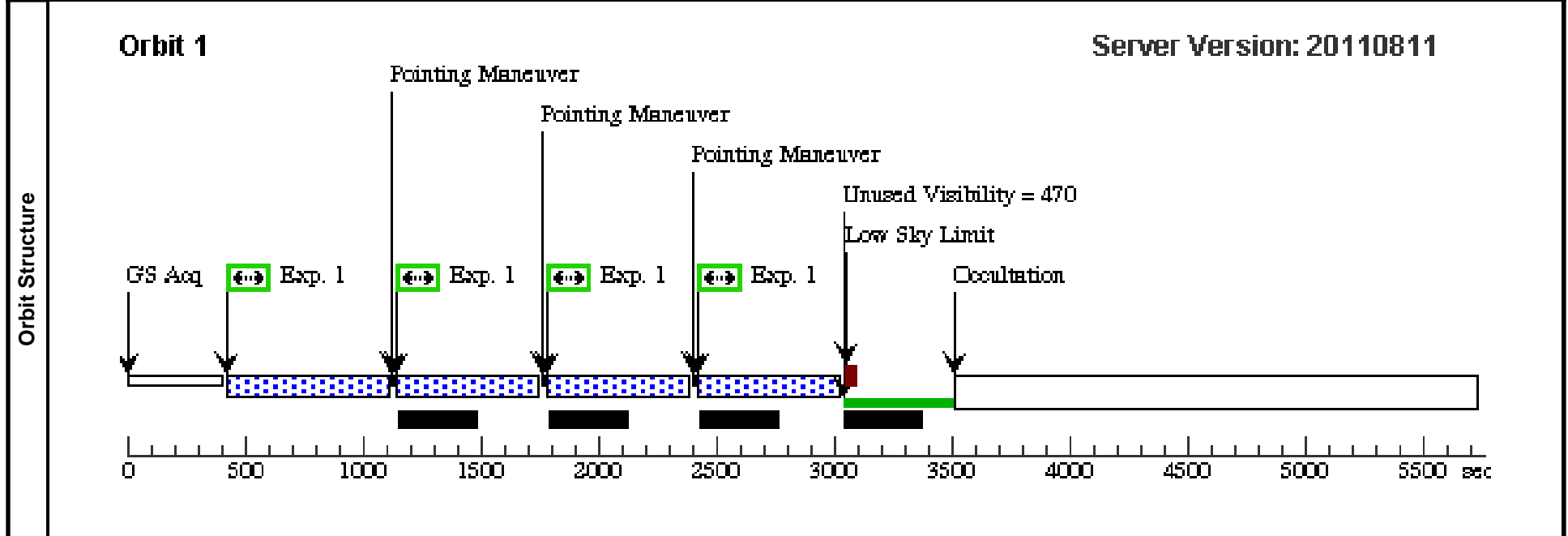
Sat Aug 20 01:26:14 GMT 2011

Visit	Proposal 12477, Visit 27, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 26		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	SPT-CLJ2040-5726	RA: 20 40 13.4400 (310.0560000d) Dec: -57 25 43.68 (-57.42880d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) SPT-CLJ2040-5726	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 97.8737 8850981789,-92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 in Tile Visit 27 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 28 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

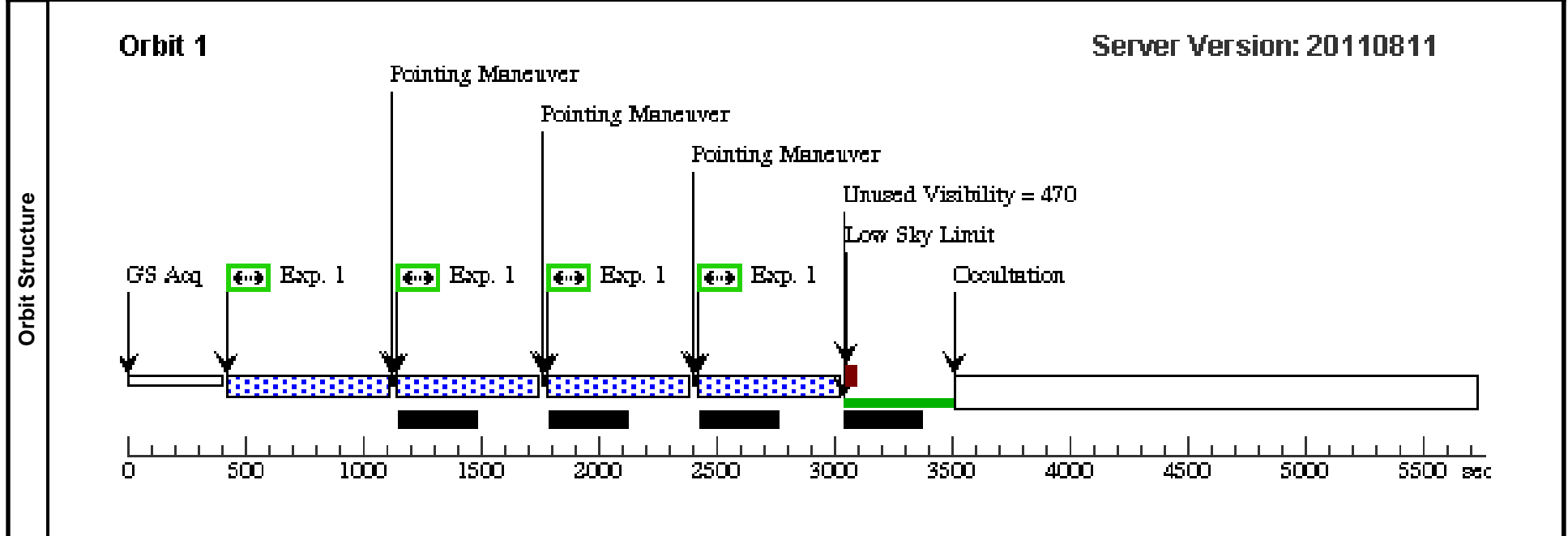
Sat Aug 20 01:26:14 GMT 2011

Visit	Proposal 12477, Visit 28, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 26		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	SPT-CLJ2040-5726	RA: 20 40 13.4400 (310.0560000d) Dec: -57 25 43.68 (-57.42880d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) SPT-CLJ2040-5726	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -97.873 78850981786,92.596 57881122874; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 28 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 29 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

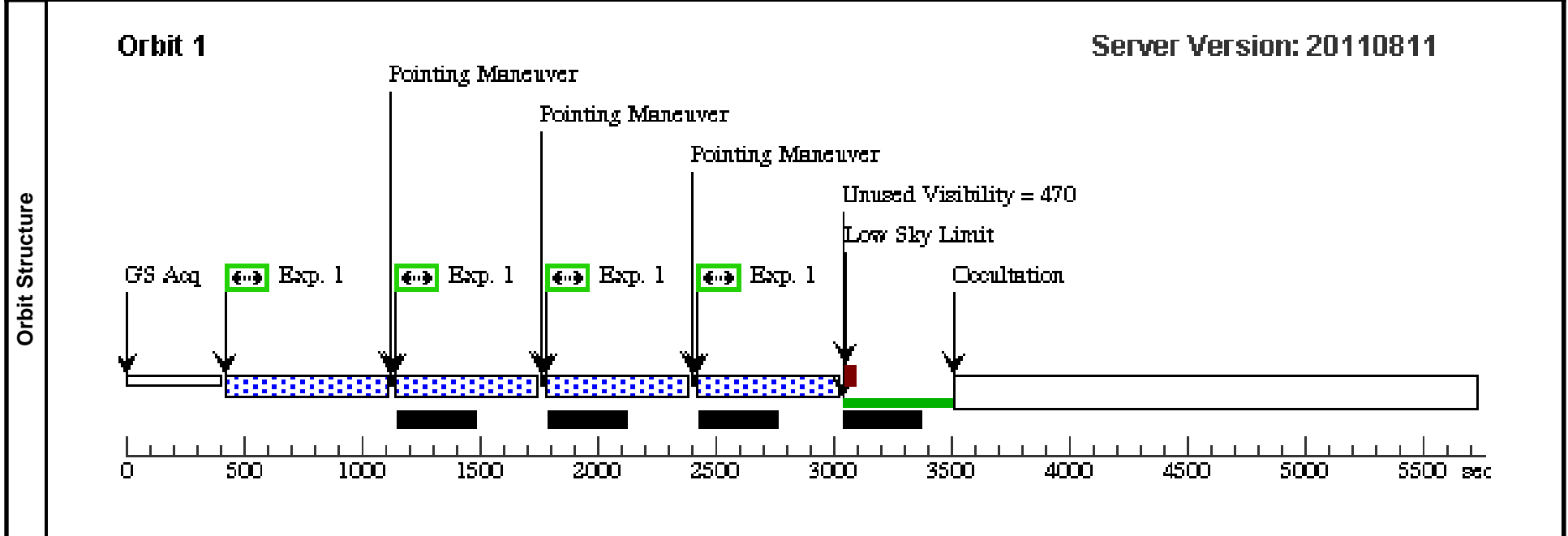
Sat Aug 20 01:26:14 GMT 2011

Visit	Proposal 12477, Visit 29, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 26		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	SPT-CLJ2040-5726	RA: 20 40 13.4400 (310.0560000d) Dec: -57 25 43.68 (-57.42880d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) SPT-CLJ2040-5726	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 96.1392 3740221948,106.163 29118877118; LOW-SKY	Pattern 1, Exps 1-1 i n Tile Visit 29 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 30 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

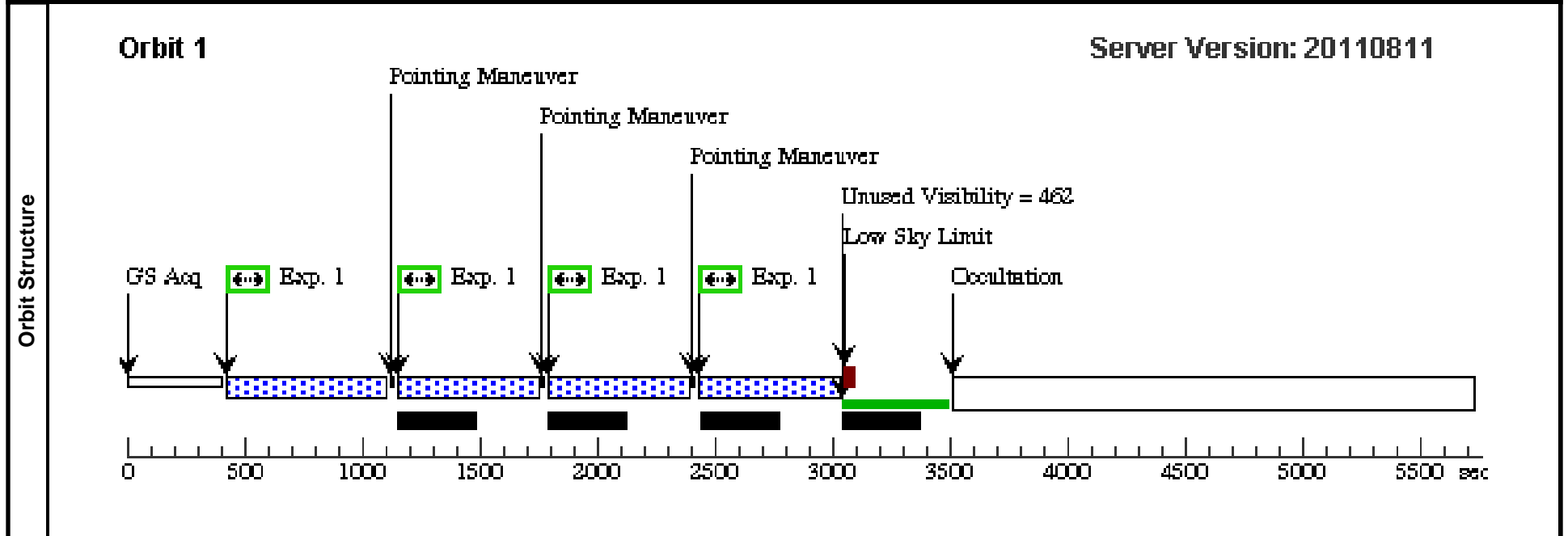
Sat Aug 20 01:26:14 GMT 2011

Visit	Proposal 12477, Visit 30, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=true	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	SPT-CLJ2040-5726	RA: 20 40 13.4400 (310.0560000d) Dec: -57 25 43.68 (-57.42880d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) SPT-CLJ2040-5726	ACS/WFC, ACCUM, WFCENTER	F814W		LOW-SKY	Pattern 2, Exps 1-1 in Tile Visit 30 (2)	479 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 12477 - Visit 31 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

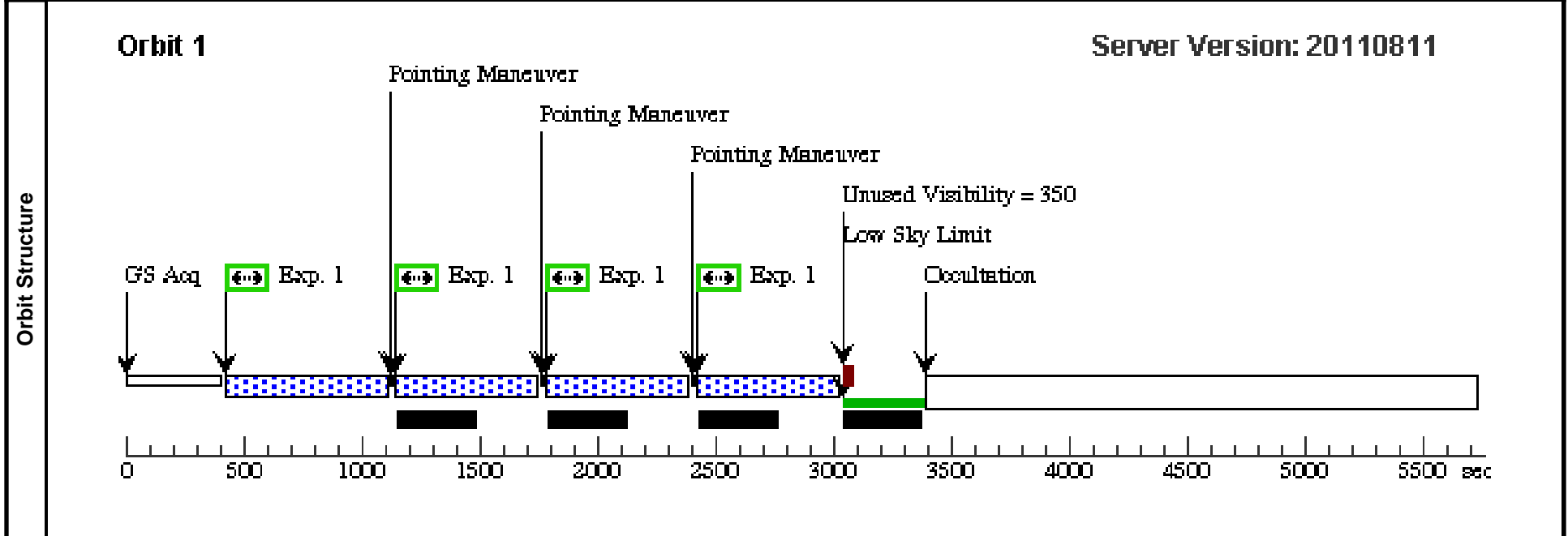
Sat Aug 20 01:26:14 GMT 2011

Visit	Proposal 12477, Visit 31, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	SPT-CLJ0102-4915	RA: 01 02 54.5030 (15.7270958d) Dec: -49 15 22.32 (-49.25620d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) SPT-CLJ0102-4915	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -96.139 23740221945,-106.1 6329118877118; LOW-SKY; GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Tile Visit 31 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 32 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

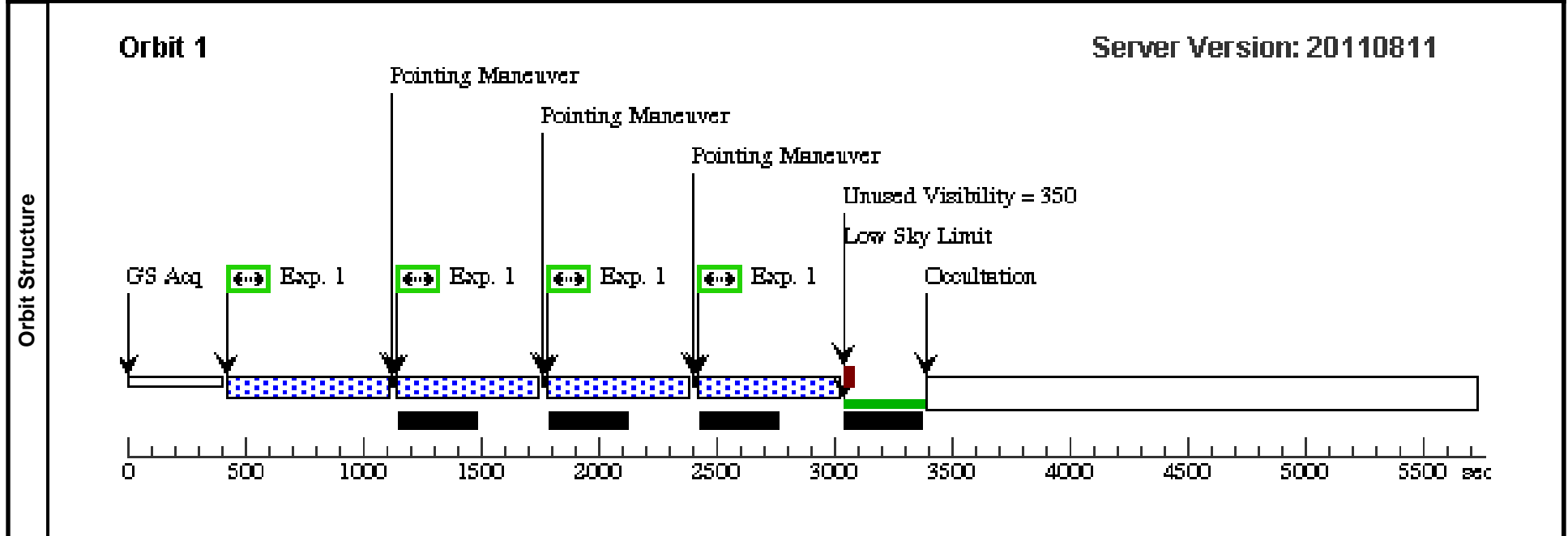
Sat Aug 20 01:26:15 GMT 2011

Visit	Proposal 12477, Visit 32, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 31		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	SPT-CLJ0102-4915	RA: 01 02 54.5030 (15.7270958d) Dec: -49 15 22.32 (-49.25620d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) SPT-CLJ0102-4915	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 97.8737 8850981789,-92.596 57881122874; LOW-SKY; GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Tile Visit 32 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 33 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

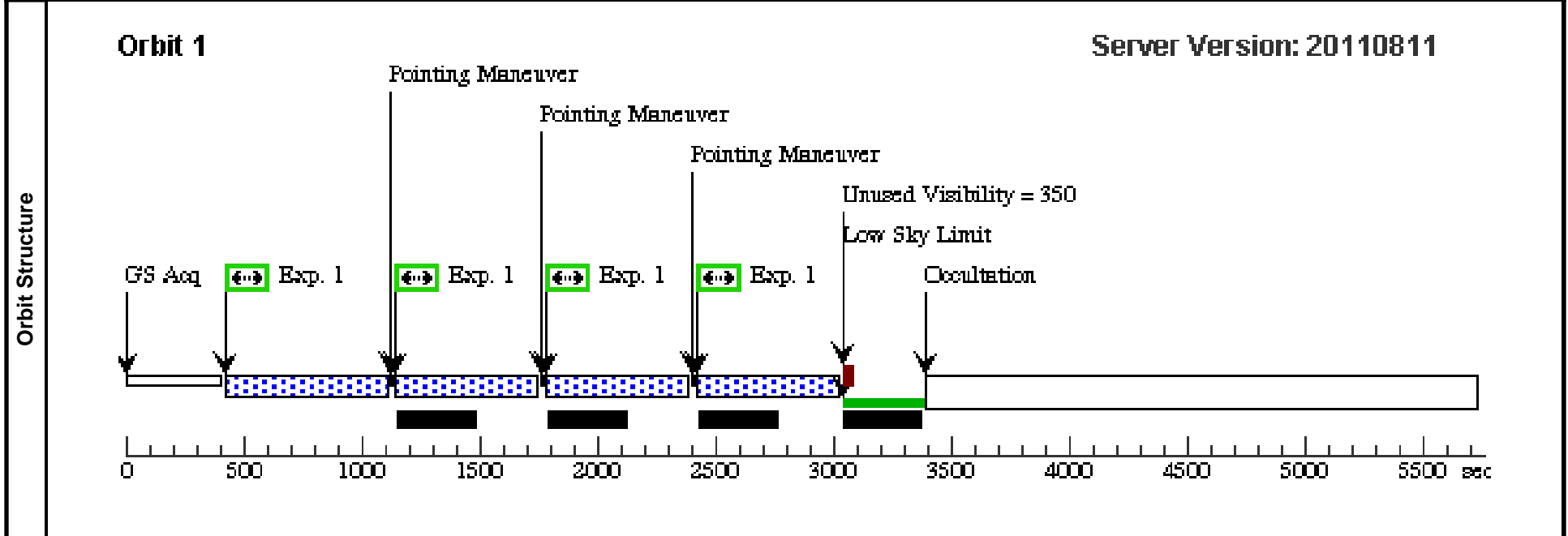
Sat Aug 20 01:26:15 GMT 2011

Visit	Proposal 12477, Visit 33, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 31		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	SPT-CLJ0102-4915	RA: 01 02 54.5030 (15.7270958d) Dec: -49 15 22.32 (-49.25620d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) SPT-CLJ0102-4915	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -97.873 78850981786,92.596 57881122874; LOW-SKY; GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Tile Visit 33 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 34 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

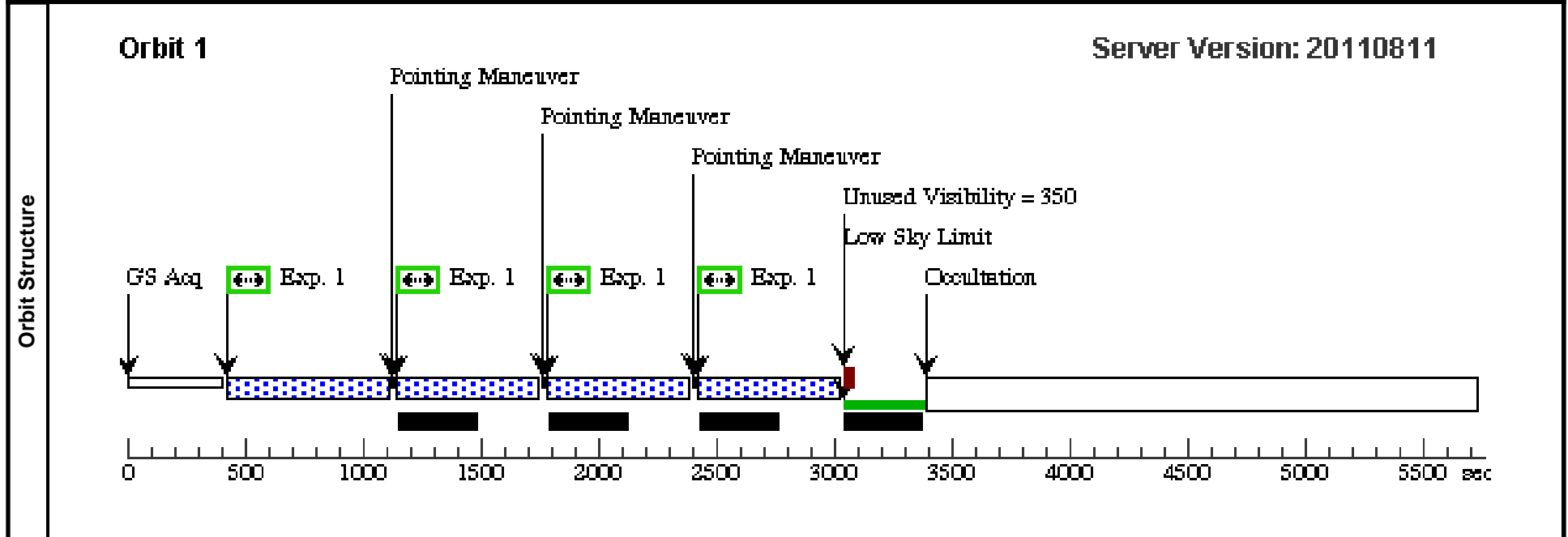
Sat Aug 20 01:26:15 GMT 2011

Visit	Proposal 12477, Visit 34, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: SAME ORIENT AS 31		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	SPT-CLJ0102-4915	RA: 01 02 54.5030 (15.7270958d) Dec: -49 15 22.32 (-49.25620d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) SPT-CLJ0102-4915	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 96.1392 3740221948,106.163 29118877118; LOW-SKY; GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Tile Visit 34 (1)	480 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]



Proposal 12477 - Visit 35 - Weak lensing masses of the highest redshift galaxy clusters from the South Pole Telescope SZ survey

Sat Aug 20 01:26:15 GMT 2011

Visit	Proposal 12477, Visit 35, implementation		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: ACS/WFC		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	SPT-CLJ0102-4915	RA: 01 02 54.5030 (15.7270958d) Dec: -49 15 22.32 (-49.25620d) Equinox: J2000		V=27.5	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) SPT-CLJ0102-4915	ACS/WFC, ACCUM, WFCENTER	F814W		LOW-SKY; GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 in Tile Visit 35 (1)	479 Secs	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]

