



11156 - Monitoring Active Atmospheres on Uranus and Neptune

Cycle: 16, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:41:54.0	yes
02	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:41:58.0	yes
03	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:42:01.0	yes
04	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:42:03.0	yes
05	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:42:06.0	yes
06	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:42:09.0	yes
07	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:42:11.0	yes
08	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:42:14.0	yes
09	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:42:16.0	yes
10	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:42:19.0	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>
11	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:42:21.0	yes
12	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:42:23.0	yes
13	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:42:25.0	yes
14	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:42:28.0	yes
15	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:42:30.0	yes
16	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:42:32.0	yes
17	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:42:35.0	yes
18	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:42:37.0	yes
19	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:42:40.0	yes
20	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:42:42.0	yes
21	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:42:45.0	yes
22	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:42:47.0	yes
23	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:42:49.0	yes
24	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:42:51.0	yes
25	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:42:53.0	yes
26	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:42:56.0	yes
27	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:42:58.0	yes
28	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:42:59.0	yes
29	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:02.0	yes
30	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:43:04.0	yes
31	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:43:06.0	yes
32	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:43:08.0	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>
33	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:10.0	yes
34	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:43:12.0	yes
35	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:43:14.0	yes
36	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:43:16.0	yes
37	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:18.0	yes
38	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:43:20.0	yes
39	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:43:22.0	yes
40	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:43:24.0	yes
41	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:26.0	yes
42	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:43:29.0	yes
43	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:43:31.0	yes
44	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:43:32.0	yes
45	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:34.0	yes
46	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:43:37.0	yes
47	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:43:39.0	yes
48	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:43:40.0	yes
49	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:42.0	yes
50	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:43:45.0	yes
51	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:43:47.0	yes
52	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:43:48.0	yes
53	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:50.0	yes
54	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:43:53.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
55	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:43:55.0	yes
56	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:43:56.0	yes
57	(1) URANUS-BLUE	WFPC2	1	17-Jan-2008 22:43:58.0	yes
58	(2) URANUS-RED	WFPC2	1	17-Jan-2008 22:44:00.0	yes
59	(3) NEPTUNE-SHORT	WFPC2	1	17-Jan-2008 22:44:03.0	yes
60	(4) NEPTUNE-LONG	WFPC2	1	17-Jan-2008 22:44:04.0	yes

60 Total Orbits Used

ABSTRACT

We propose Snapshot observations of Uranus and Neptune to monitor changes in their atmospheres on time scales of weeks and months. Uranus equinox is only months away, in December 2007. Hubble Space Telescope observations during the past several years (Hammel et al. 2005, Icarus 175, 284 and references therein) have revealed strongly wavelength-dependent latitudinal structure, the presence of numerous visible-wavelength cloud features in the northern hemisphere, at least one very long-lived discrete cloud in the southern hemisphere, and in 2006 the first dark spot ever seen on Uranus. Long-term ground-based observations (Lockwood and Jerzekiewicz, 2006, Icarus 180, 442; Hammel and Lockwood 2007, Icarus 186, 291) reveal seasonal brightness changes whose origins are not well understood. Recent near-IR images of Neptune obtained using adaptive optics on the Keck Telescope, together with HST observations (Sromovsky et al. 2003, Icarus 163, 256 and references therein) which include previous Snapshot programs (GO 8634, 10170, 10534) show a general increase in activity at south temperate latitudes until 2004, when Neptune returned to a rather Voyager-like appearance. Further Snapshot observations of these two dynamic planets will elucidate the nature of long-term changes in their zonal atmospheric bands and clarify the processes of formation, evolution, and dissipation of discrete albedo features.

OBSERVING DESCRIPTION

We propose to use WFPC2 to obtain disk-resolved images of Uranus and Neptune in the methane absorption band at 619 nm, and in continuum regions from 467 nm to 953 nm. With these images, we will monitor medium- to long-term changes in the atmospheres of both planets, and compare the insolation-dominated behavior on Uranus with the internally-powered processes on Neptune.

Our filter selection is designed to constrain the vertical aerosol distribution responsible for the latitudinal bands and albedo features seen on Uranus and Neptune. We match the filter choices first with those used for past HST observations, and then with past ground-based observations (for continuity). The filters sample a wide range of methane absorption coefficients, which translates into probes of a wide range of depths in the atmosphere. Images in the 619-nm methane band [WFPC2 FQCH4N15], in particular, are critical for unambiguous determination of the vertical distribution of clouds and aerosols in their tropospheres.

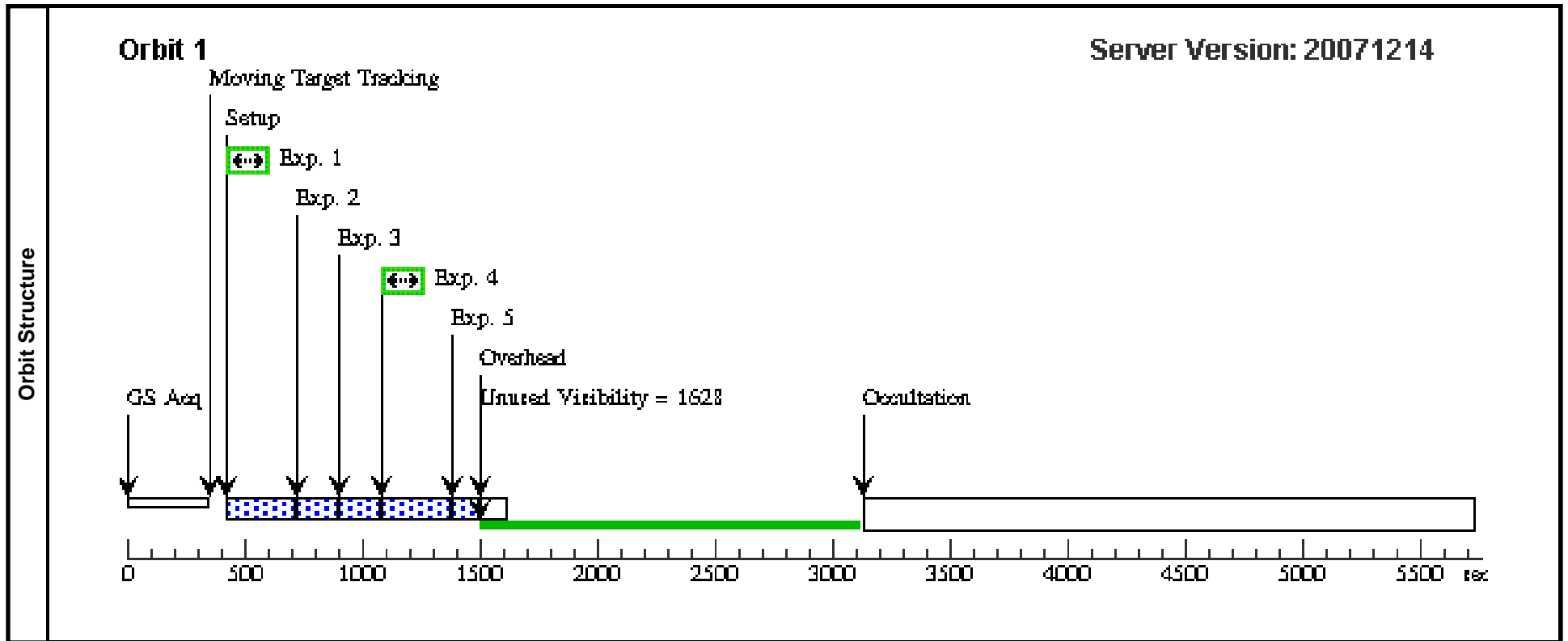
For good S/N (>100) at Uranus, the exposure times for WFPC2 filters F467M, F547M, F658N, F673N, F791W, and FQCH4N15 (619 nm), are 20, 3.5, 120, 60, 12, and 100 seconds, respectively, as demonstrated (except for F658N) by GO 10534 in Cycle 14. These exposures fit into one Snapshot window. On some visits (URANUS-RED) we will substitute F953N (exposure time 200 s) for F467M (URANUS-BLUE), since Uranus has darkened substantially at this wavelength over the past decade. For Neptune these WFPC2 exposure times increase by a factor of ~ 2 . F467M, F547M, F673N, and an exposure at 619 nm will fit into a single 30 minute visit (NEPTUNE-SHORT). F467M, F953N and a 619 nm exposure will fit into another visit (NEPTUNE-LONG). For Neptune, we emphasize F467M over F791W, to better search for Great Dark Spots. The WFPC2 methane-quad filters exhibit significant vignetting, which has been problematic for CTL observations of Jupiter (for example). Because the apparent disk of Uranus subtends only 3.8", and Neptune less than 3", we can place both planets fully within the "best" region of the filter's field. Any photometric uncertainties still present are far smaller than the intrinsic changes of these planets (which have been verified by independent data sets).

Proposal 11156 - Visit 01 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:08 GMT 2008

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	URANUS-BLUE	STD=URANUS				

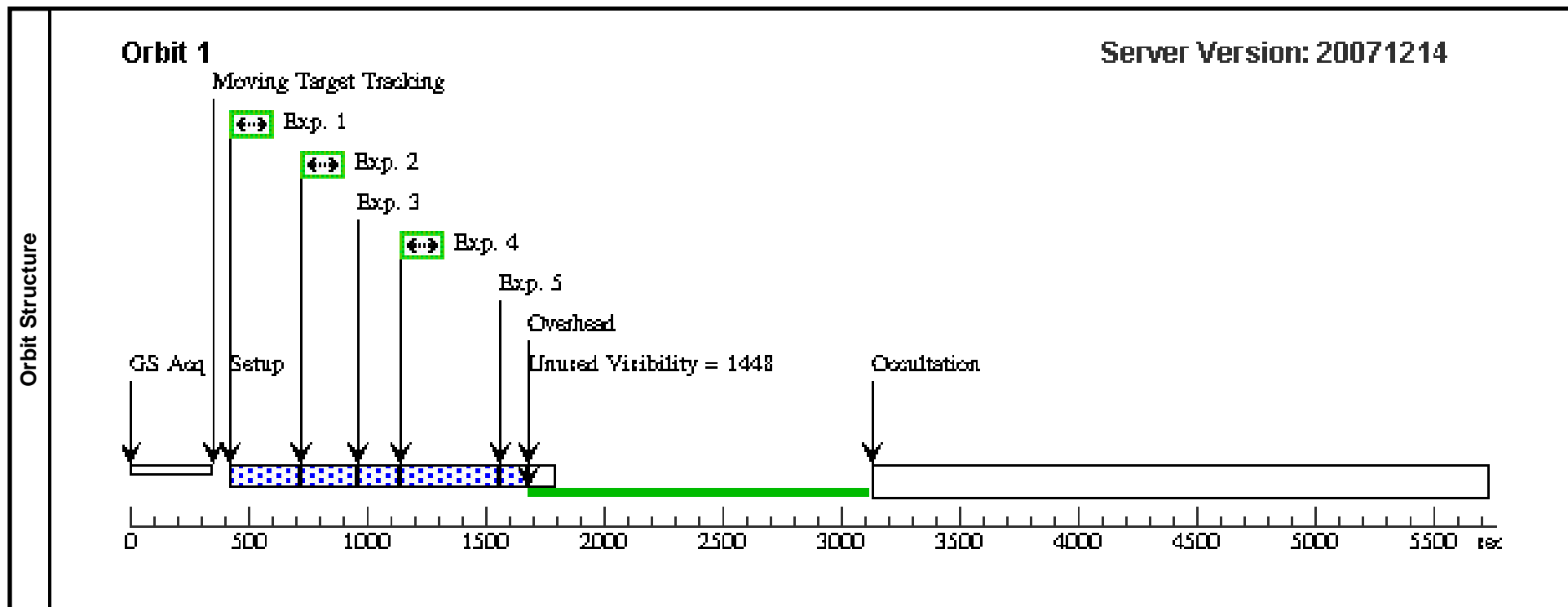
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]
2		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
3		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
4		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
5		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 02 - Monitoring Active Atmospheres on Uranus and Neptune

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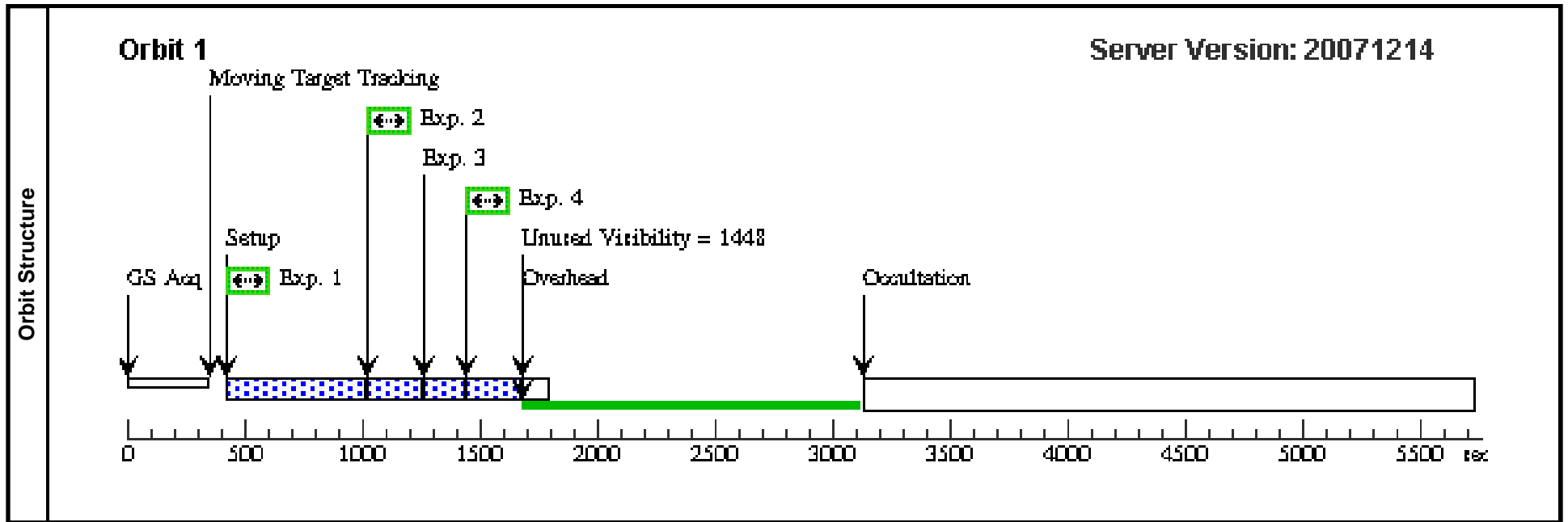
Visit	Proposal 11156, Visit 02 Priority: H Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 03 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:10 GMT 2008

Visit	Proposal 11156, Visit 03 Priority: H Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]

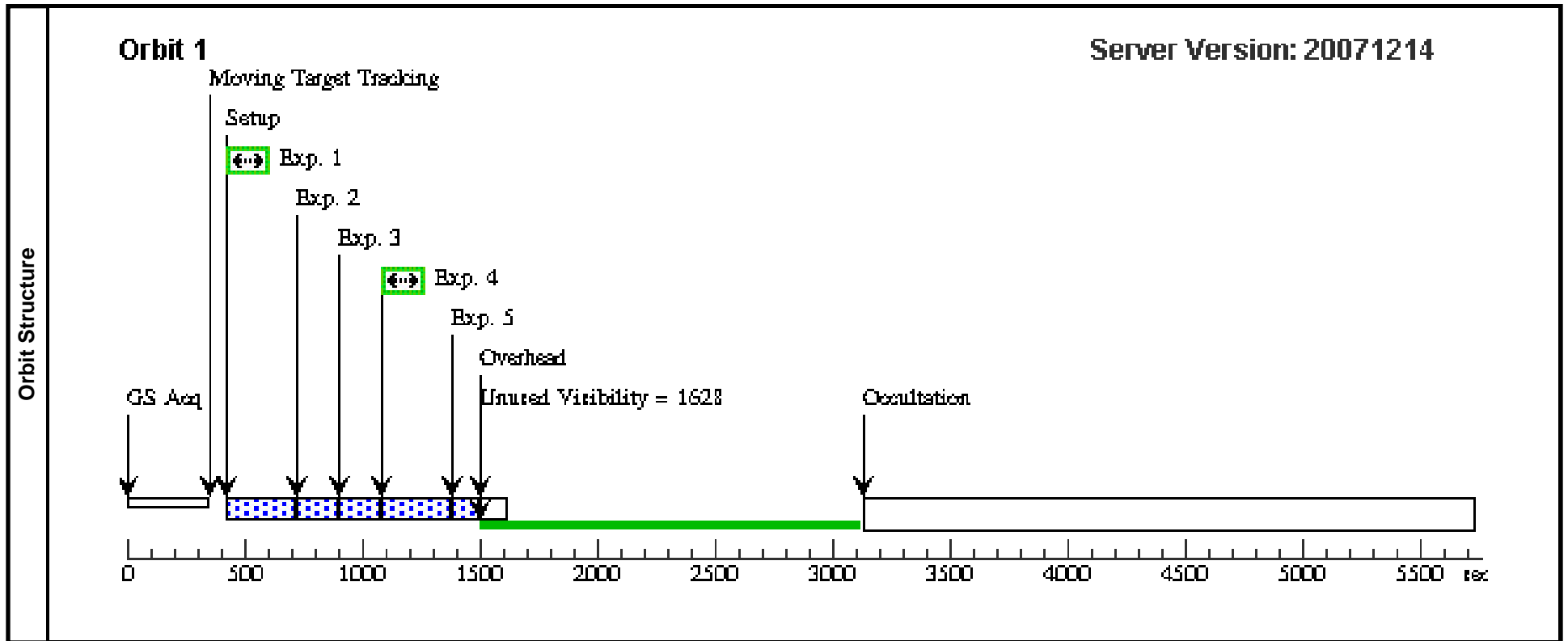


Visit	Proposal 11156, Visit 04 Priority: H Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [=>]	[1]	
	2	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, PC1	F953N				400.0 Secs [=>]	[1]	
	3	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, PC1	F467M				60.0 Secs [=>]	[1]	
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>The diagram shows a timeline for Orbit 1. Key events are marked with arrows: GS Acq at 0s, Setup at ~400s, Exp. 1 at ~500s, Exp. 2 at ~1000s, Exp. 3 at ~1700s, Unused Visibility = 1328s (from ~1800s to ~3100s), Overhead at ~1800s, and Occultation starting at ~3100s. A blue hatched bar covers the period from ~400s to ~1800s.</p>										
	<p>Timeline labels: GS Acq, Setup, Exp. 1, Exp. 2, Exp. 3, Unused Visibility = 1328, Overhead, Occultation.</p>										

Proposal 11156 - Visit 05 - Monitoring Active Atmospheres on Uranus and Neptune

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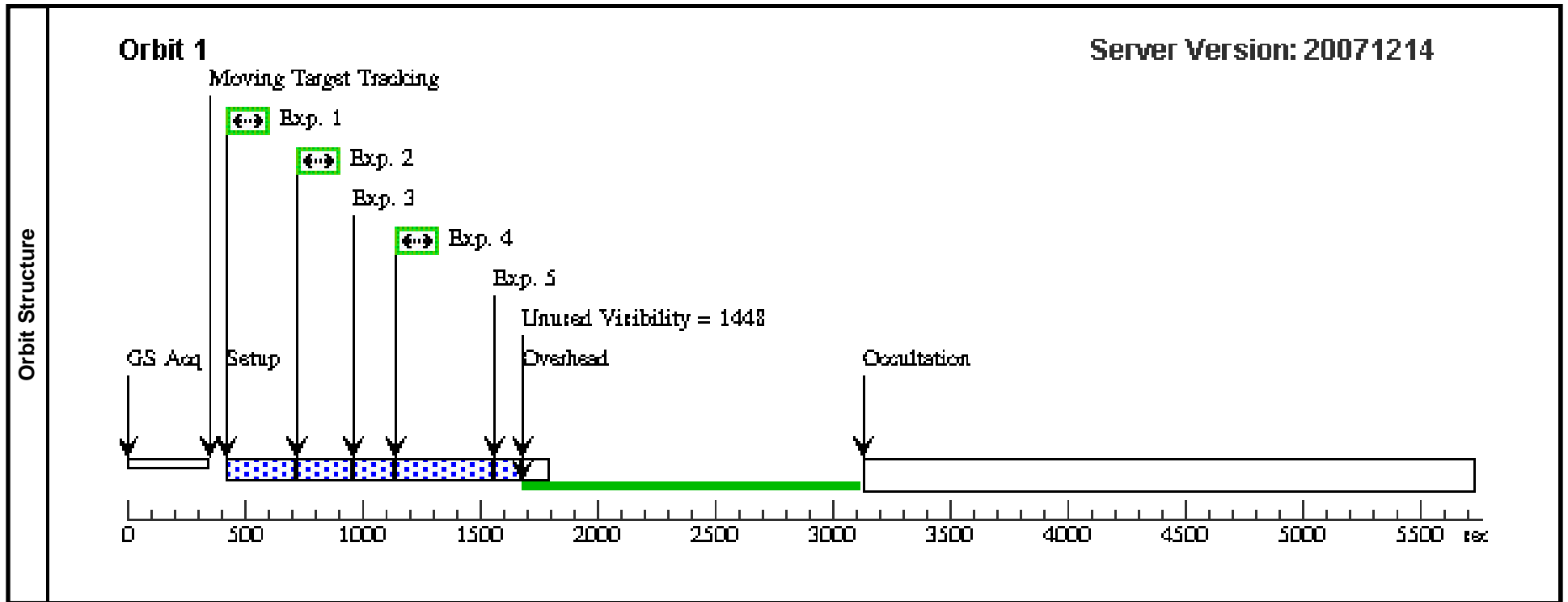
Visit	Proposal 11156, Visit 05 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	URANUS-BLUE	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 06 - Monitoring Active Atmospheres on Uranus and Neptune

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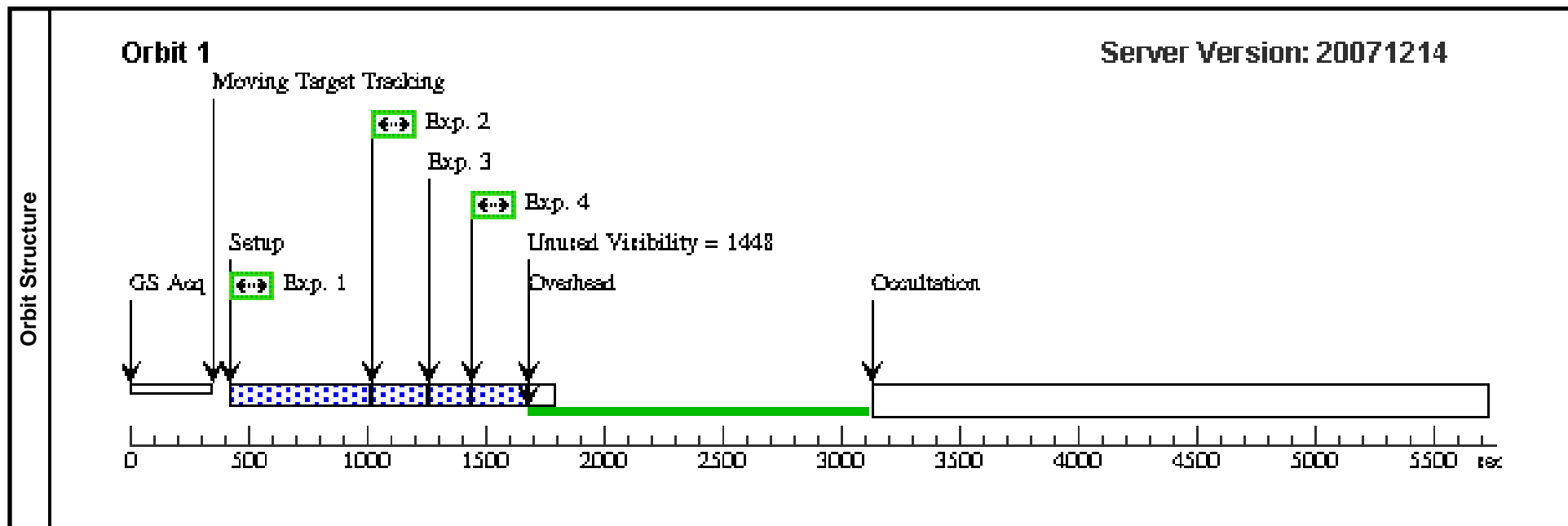
Visit	Proposal 11156, Visit 06 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 07 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:12 GMT 2008

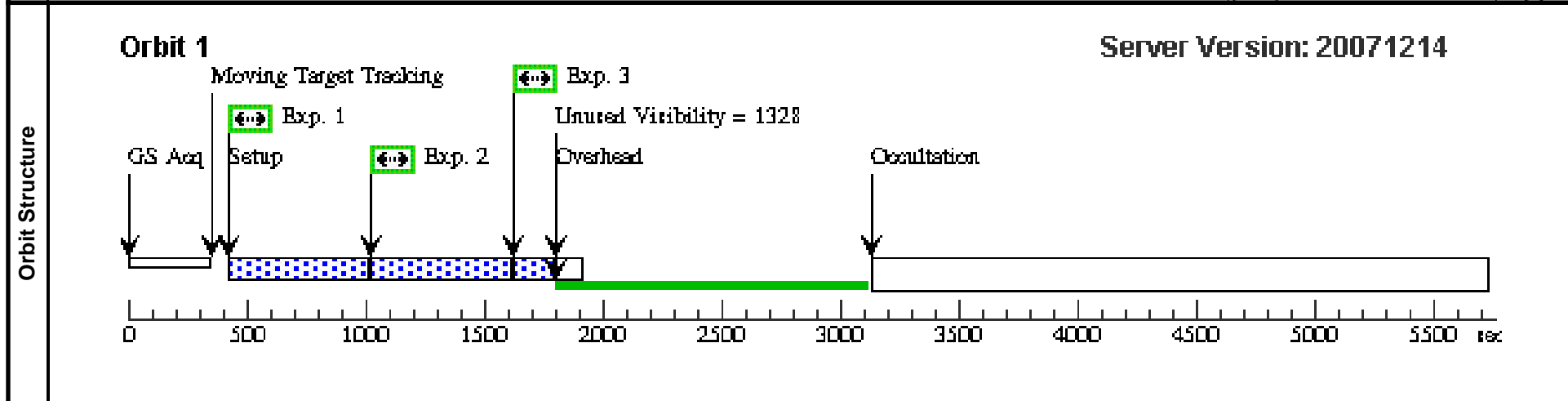
Visit	Proposal 11156, Visit 07 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]



Visit	Proposal 11156, Visit 08						
	Priority: M						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFPC2						
Special Requirements: (none)							

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-LONG	STD=NEPTUNE				EARTH

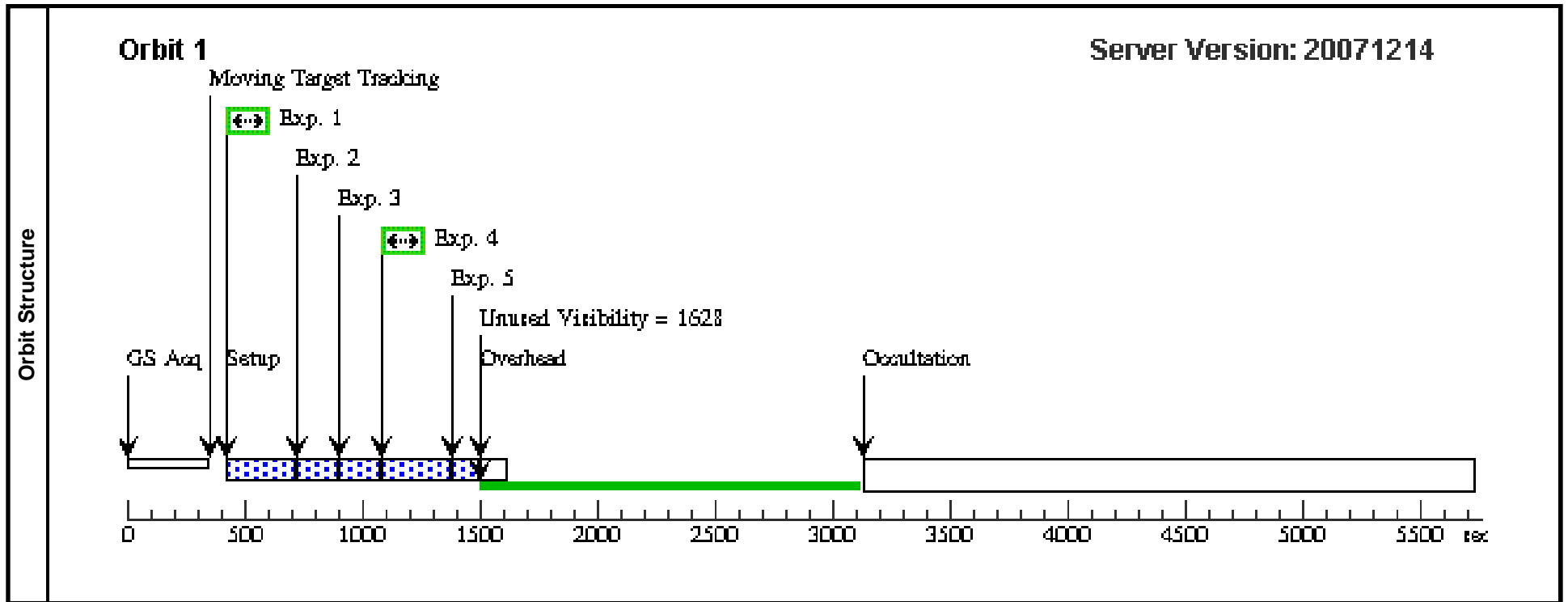
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs	
			G			6193.0 A			[==>]	[1]
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F953N			400.0 Secs	
		G						[==>]	[1]	
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F467M			60.0 Secs		
		G						[==>]	[1]	



Proposal 11156 - Visit 09 - Monitoring Active Atmospheres on Uranus and Neptune

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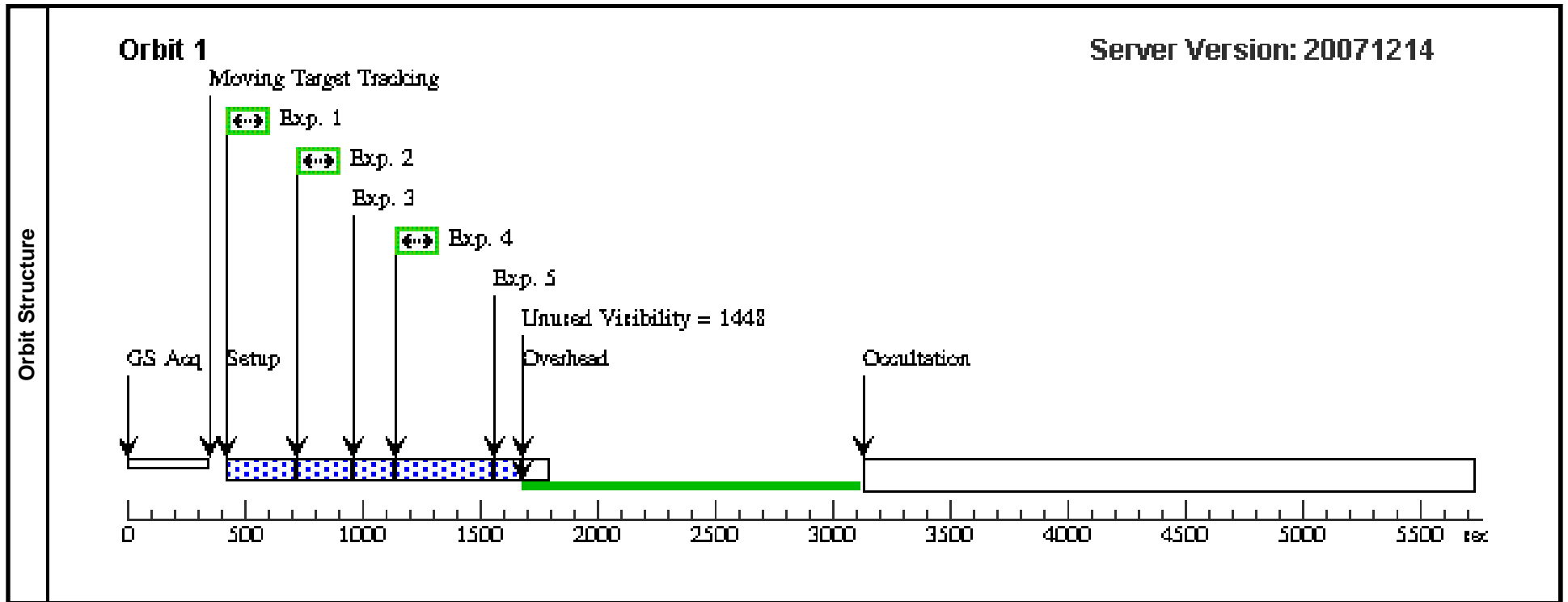
Visit	Proposal 11156, Visit 09 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	URANUS-BLUE	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 10 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:12 GMT 2008

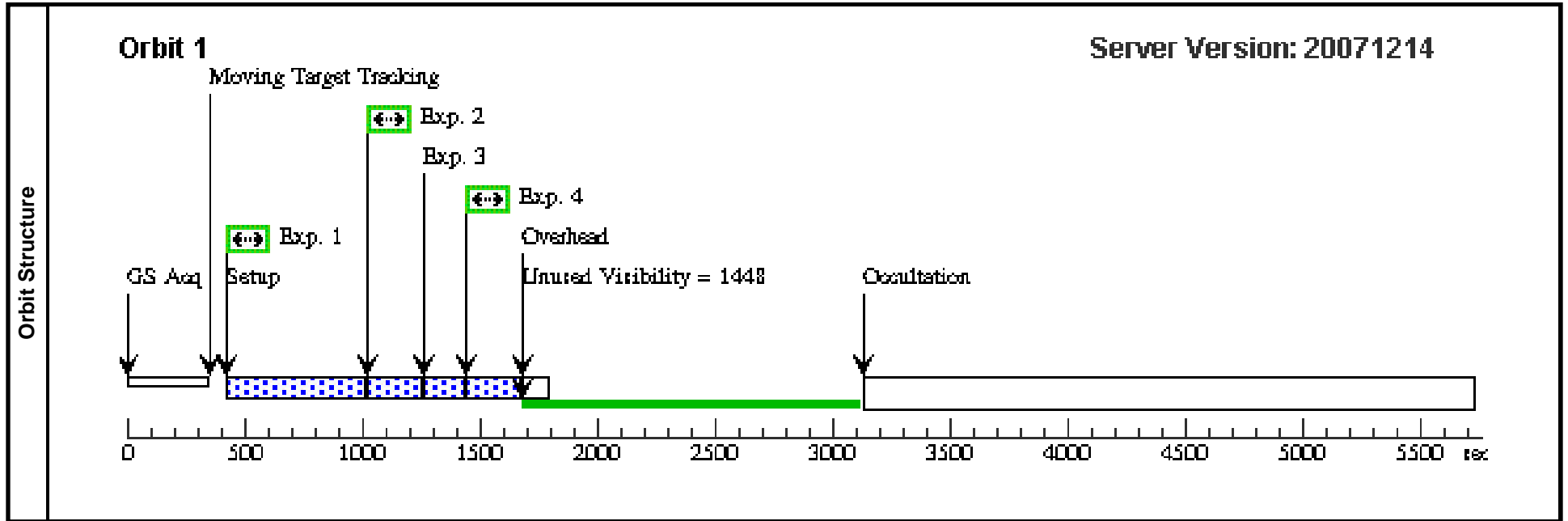
Visit	Proposal 11156, Visit 10 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 11 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:13 GMT 2008

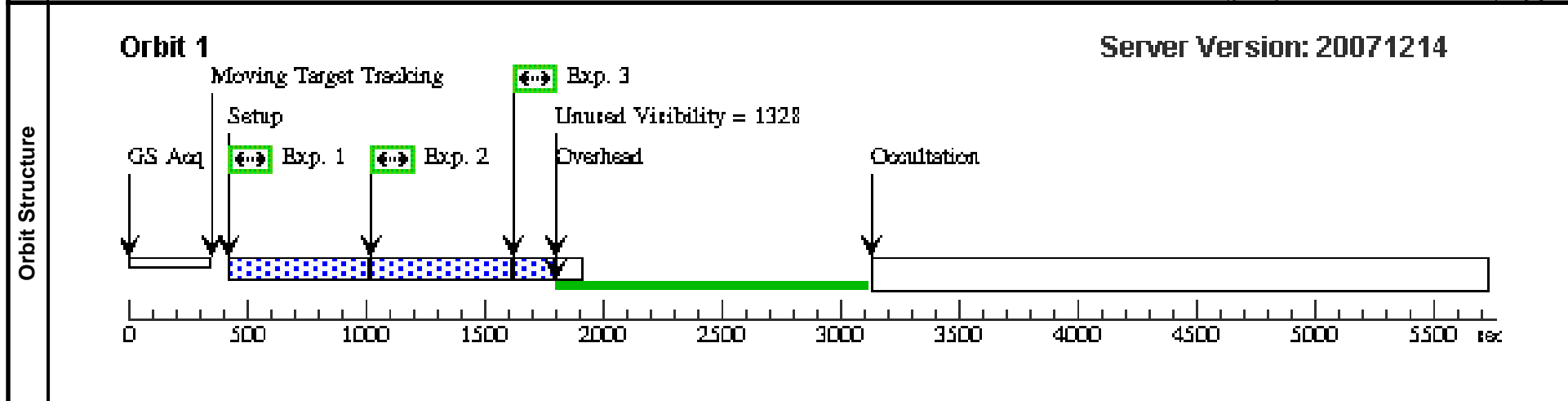
Visit	Proposal 11156, Visit 11 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE				EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(3) NEPTUNE-SHO RT		WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2	(3) NEPTUNE-SHO RT		WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3	(3) NEPTUNE-SHO RT		WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4	(3) NEPTUNE-SHO RT		WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]



Visit	Proposal 11156, Visit 12						
	Priority: M						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFPC2						
Special Requirements: (none)							

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-LONG	STD=NEPTUNE				EARTH

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs	
			G			6193.0 A			[==>]	[1]
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F953N			400.0 Secs	
		G						[==>]	[1]	
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F467M			60.0 Secs		
		G						[==>]	[1]	

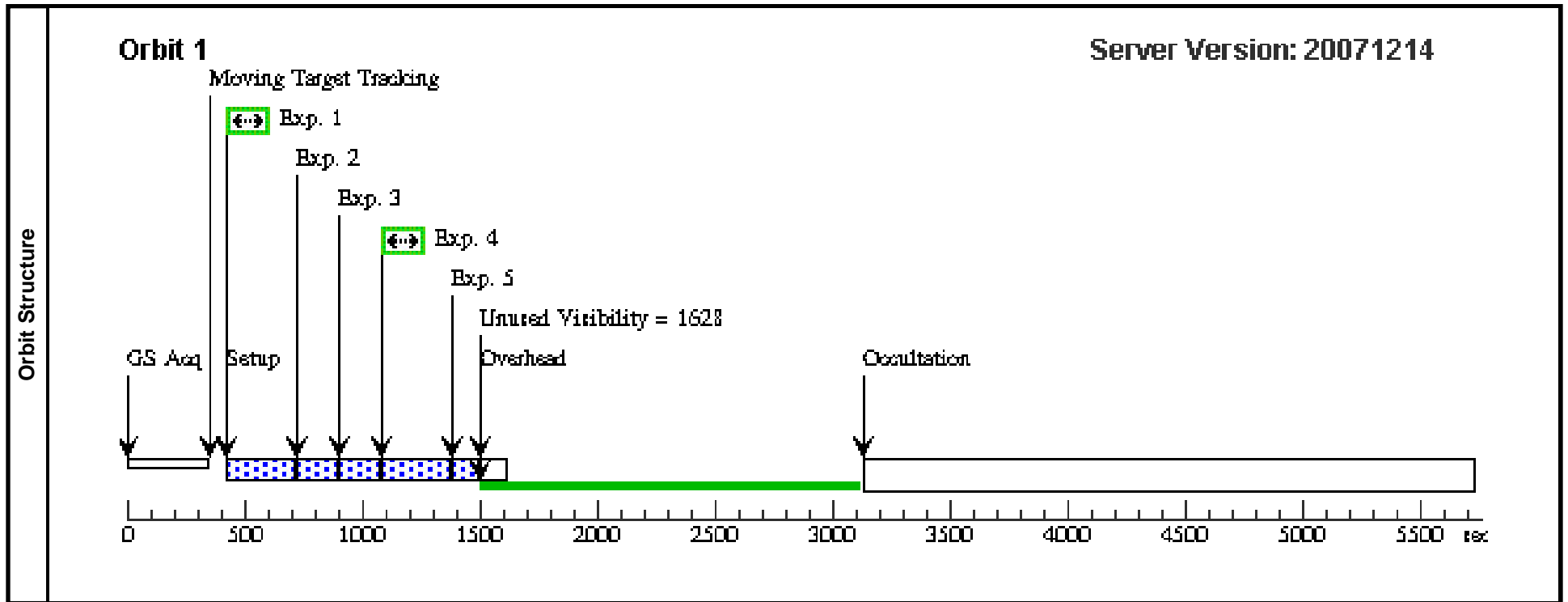


Proposal 11156 - Visit 13 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:14 GMT 2008

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	URANUS-BLUE	STD=URANUS				

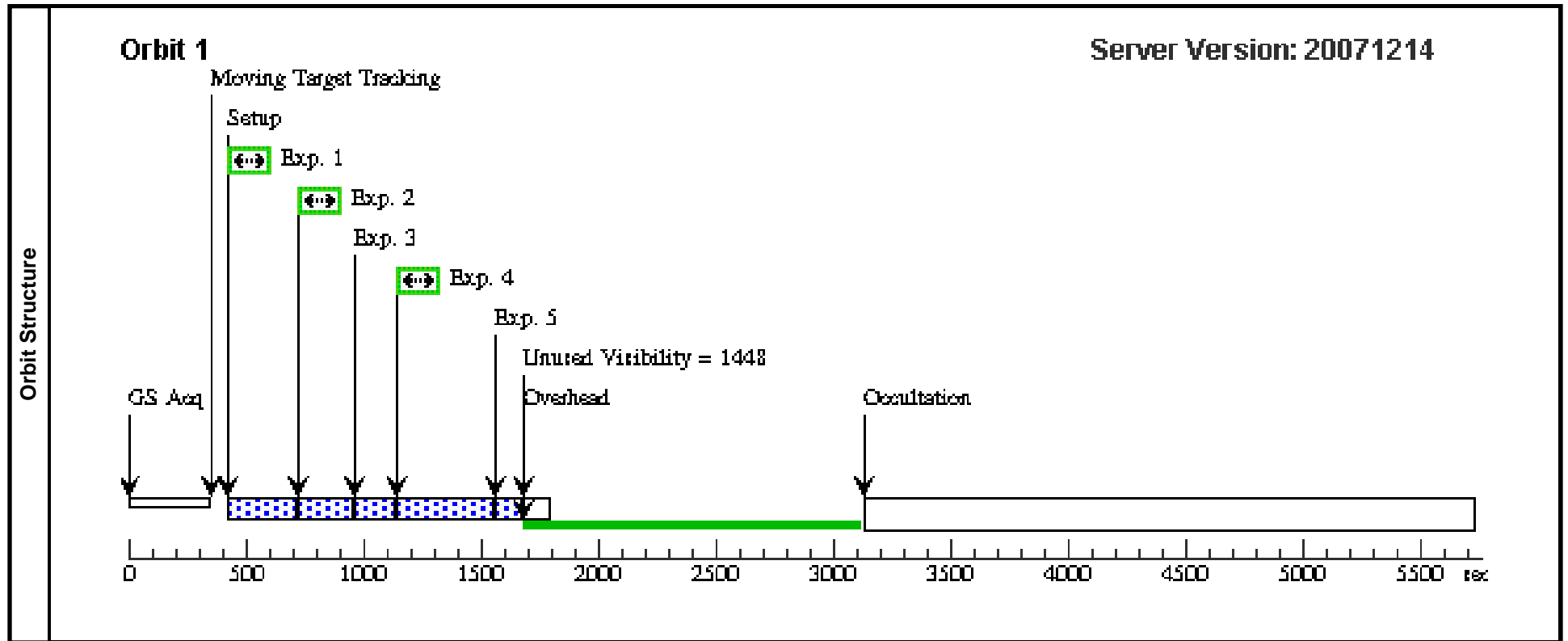
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]
2		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
3		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
4		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
5		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 14 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:14 GMT 2008

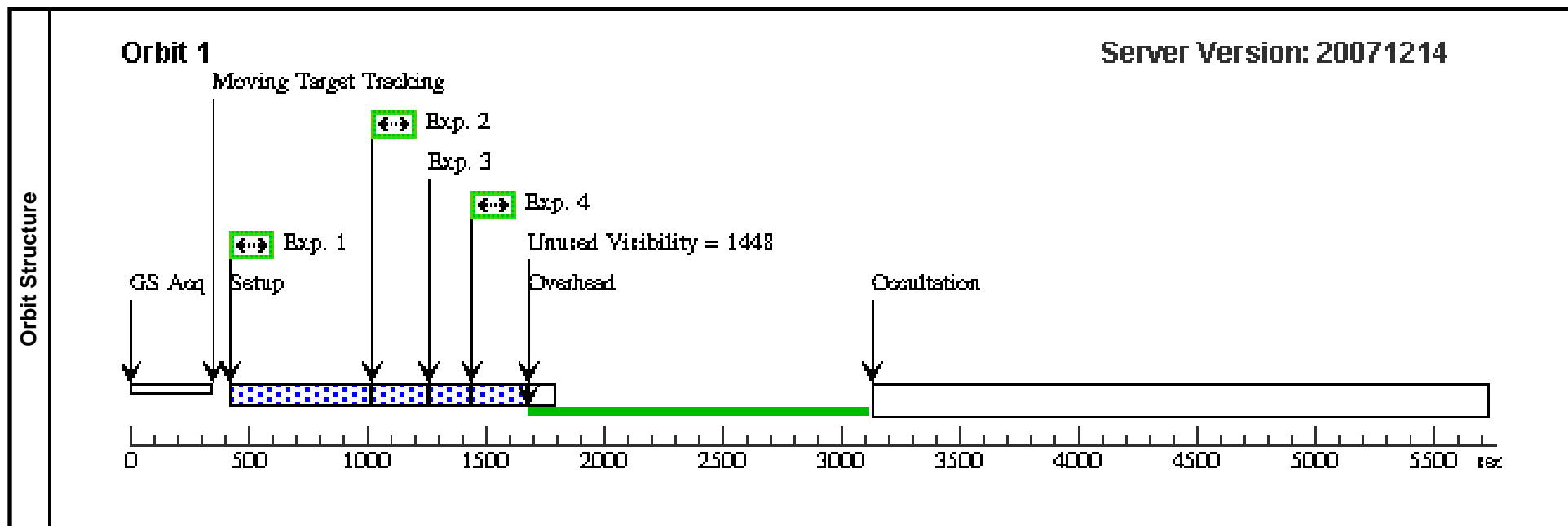
Visit	Proposal 11156, Visit 14 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 15 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:14 GMT 2008

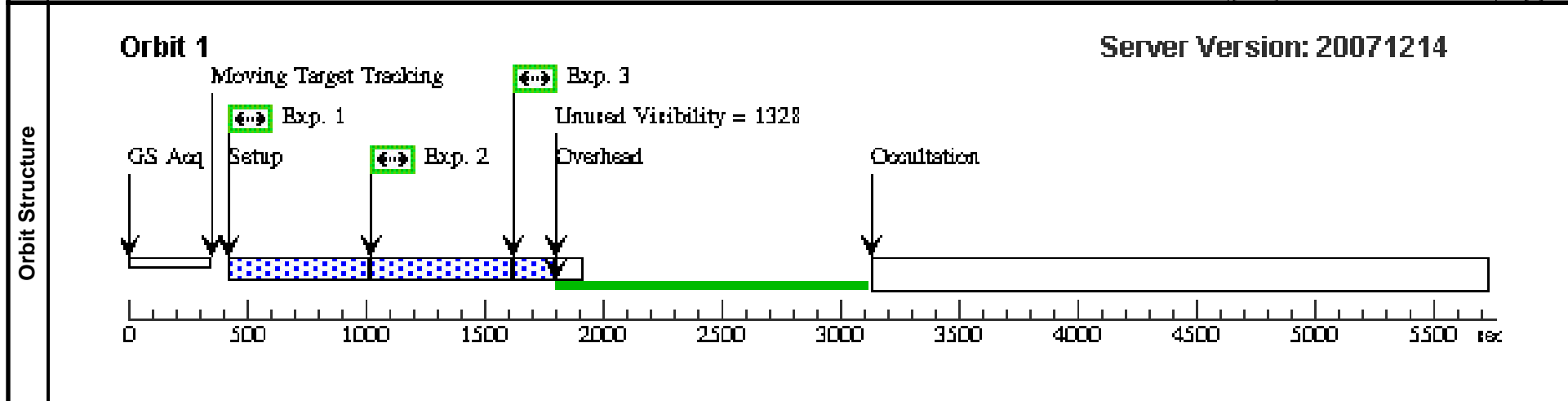
Visit	Proposal 11156, Visit 15 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]



Visit	Proposal 11156, Visit 16						
	Priority: M						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFPC2						
Special Requirements: (none)							

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-LONG	STD=NEPTUNE				EARTH

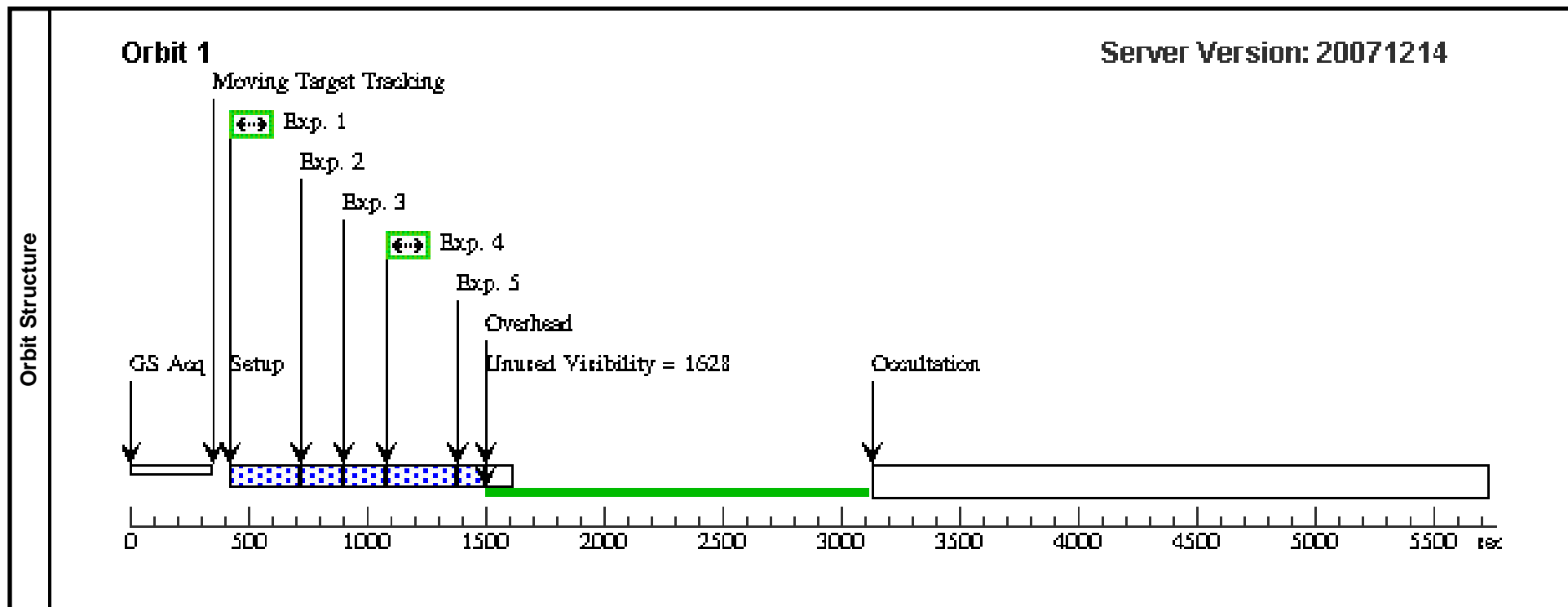
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs	
			G			6193.0 A			[==>]	[1]
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F953N			400.0 Secs	
		G						[==>]	[1]	
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F467M			60.0 Secs		
		G						[==>]	[1]	



Proposal 11156 - Visit 17 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:15 GMT 2008

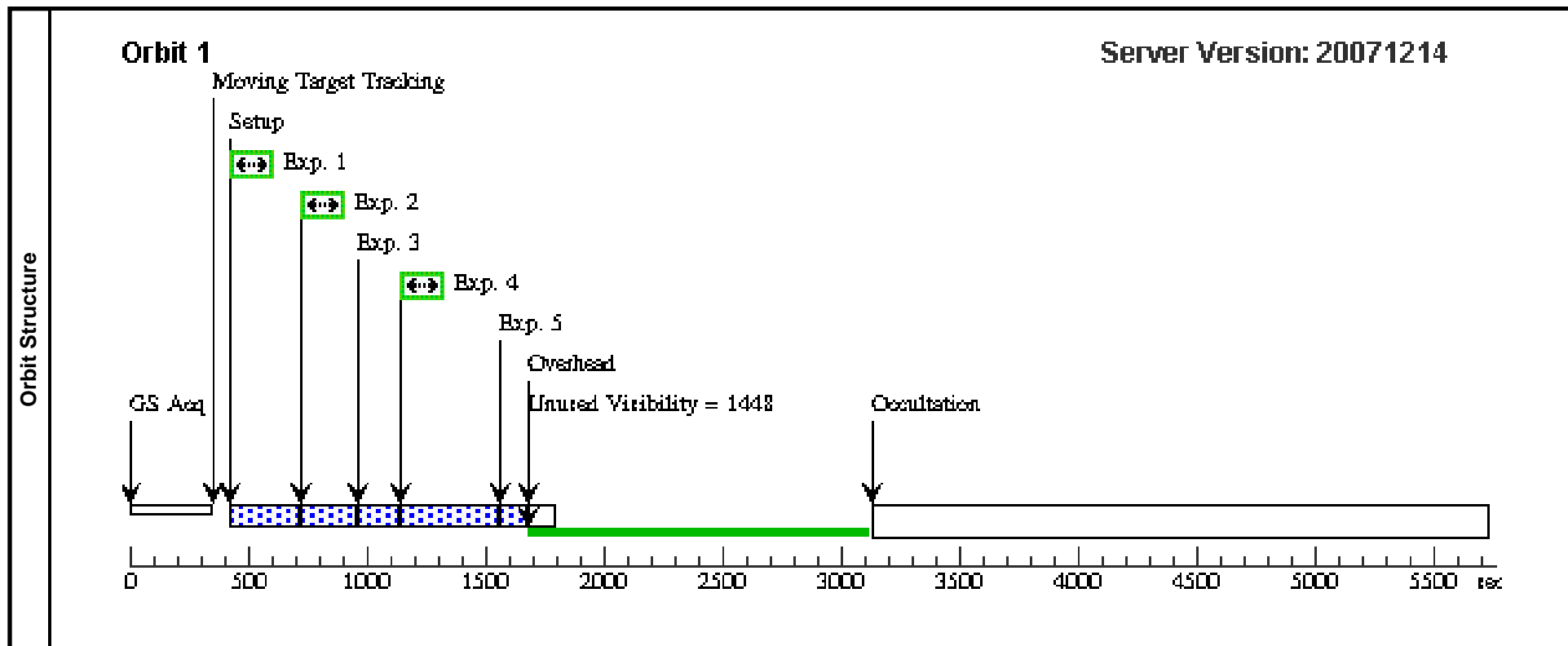
Visit	Proposal 11156, Visit 17 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	URANUS-BLUE	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 18 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:15 GMT 2008

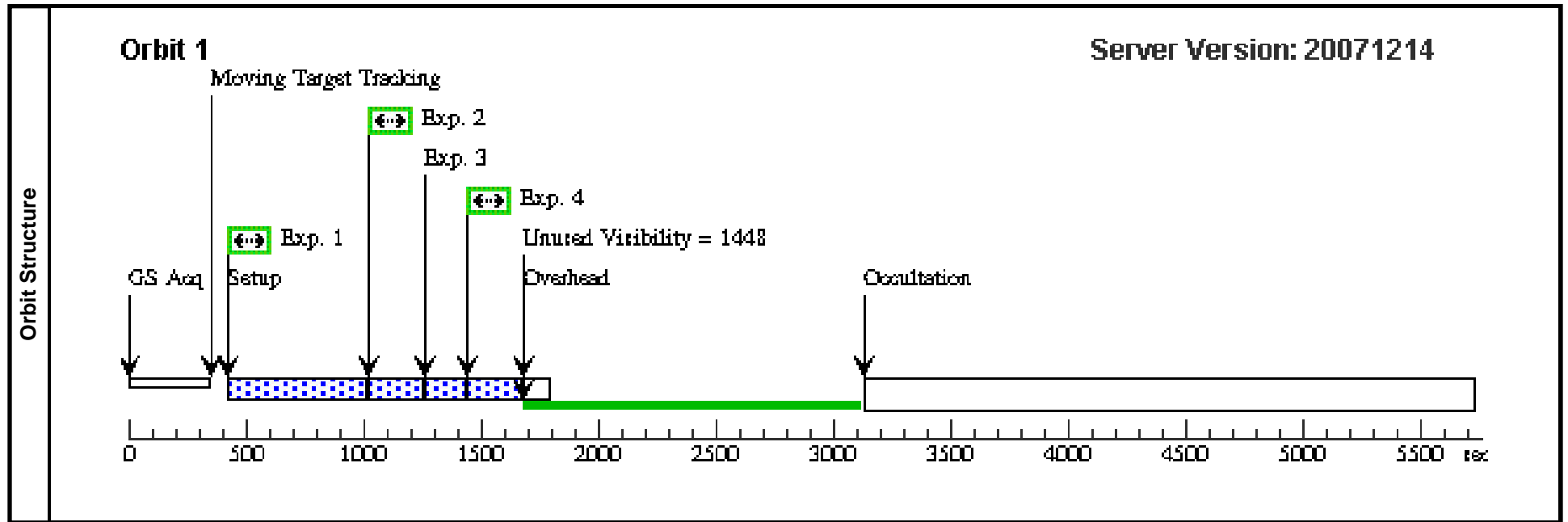
Visit	Proposal 11156, Visit 18 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 19 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:16 GMT 2008

Visit	Proposal 11156, Visit 19 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]

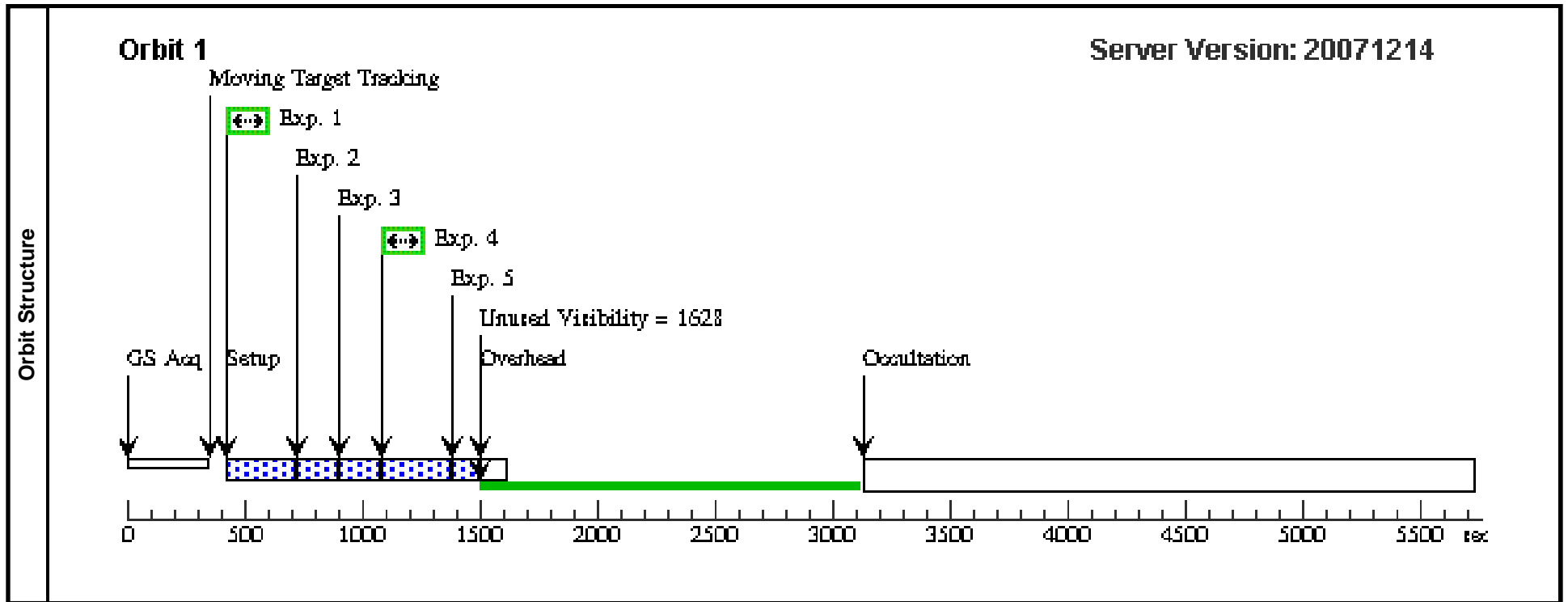


Visit	Proposal 11156, Visit 20 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs		
			G			6193.0 A			[==>]	[1]	
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F953N				400.0 Secs		
			G					[==>]	[1]		
	3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F467M				60.0 Secs		
			G					[==>]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>The diagram shows a timeline for Orbit 1. Key events are marked with arrows: GS Acq at 0s, Setup at ~400s, Exp. 1 at ~500s, Exp. 2 at ~1000s, Exp. 3 at ~1700s, Unused Visibility = 1328s from ~1800s to ~3100s, Overhead at ~1800s, and Occultation starting at ~3100s. A blue hatched region covers the period from ~400s to ~1800s.</p>										
	<p>Timeline labels: GS Acq, Setup, Exp. 1, Exp. 2, Exp. 3, Unused Visibility = 1328, Overhead, Occultation.</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										

Proposal 11156 - Visit 21 - Monitoring Active Atmospheres on Uranus and Neptune

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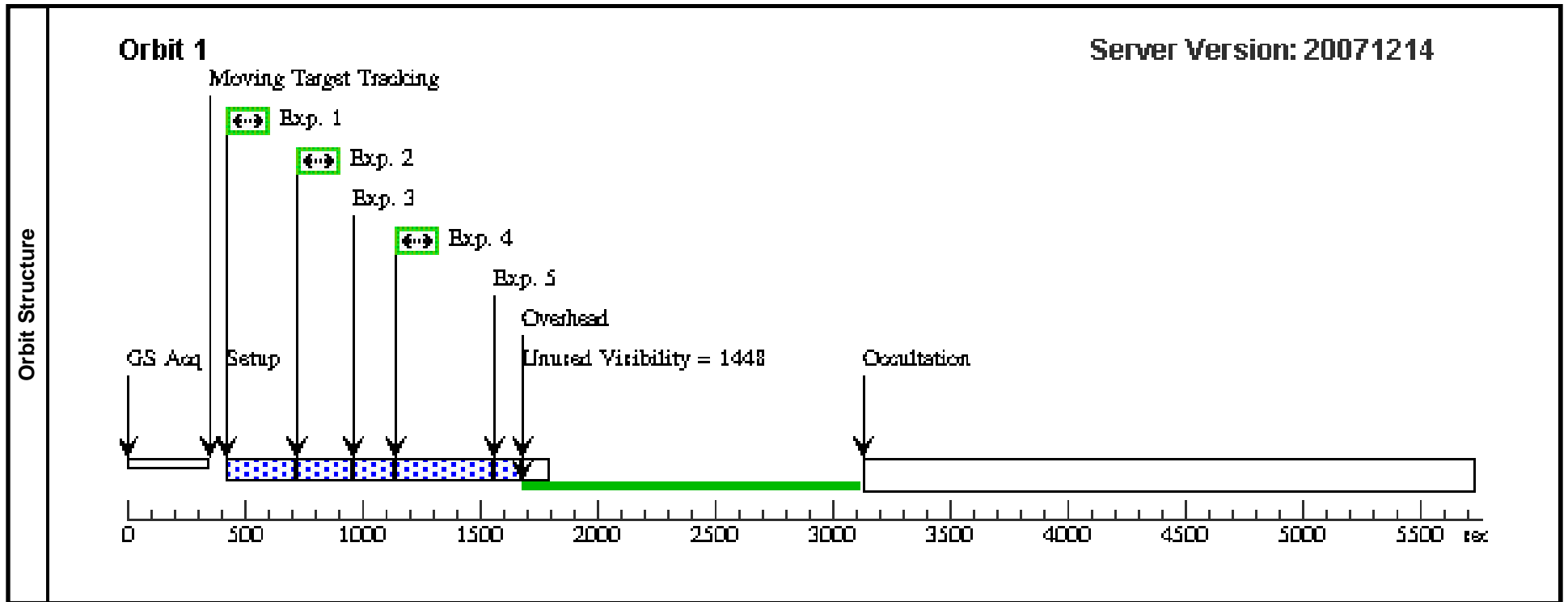
Visit	Proposal 11156, Visit 21 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
Solar System Targets	(1)	URANUS-BLUE	STD=URANUS				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 22 - Monitoring Active Atmospheres on Uranus and Neptune

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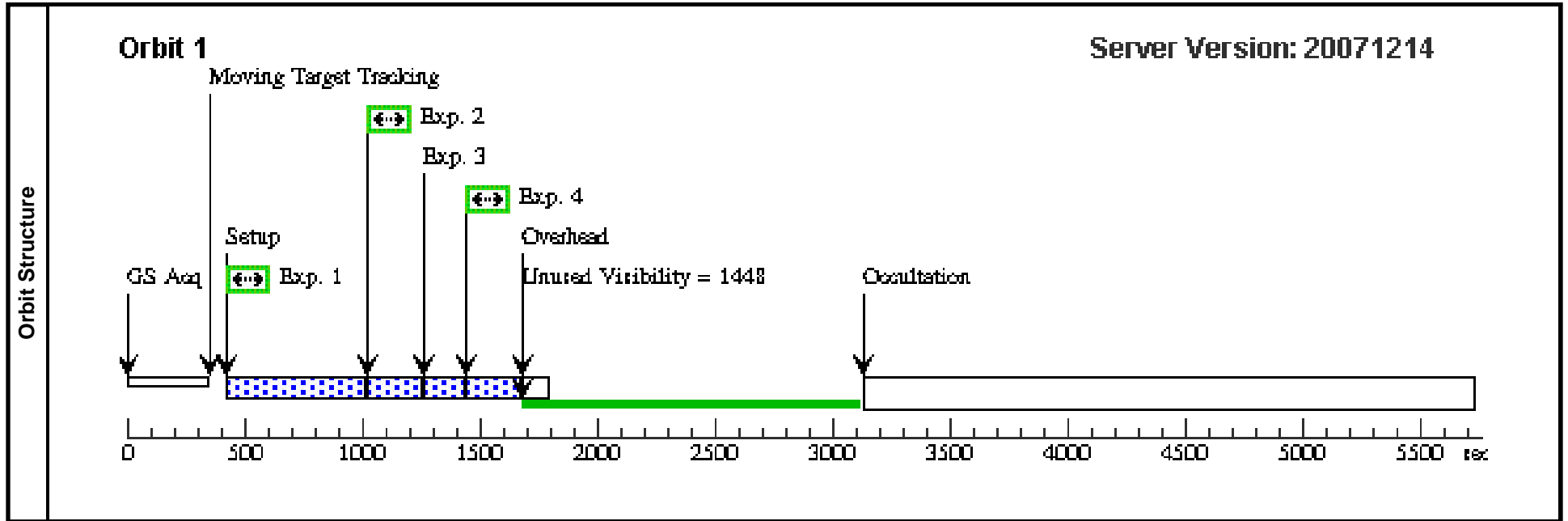
Visit	Proposal 11156, Visit 22 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(2)	URANUS-RED	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs [==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs [==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]



Proposal 11156 - Visit 23 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:17 GMT 2008

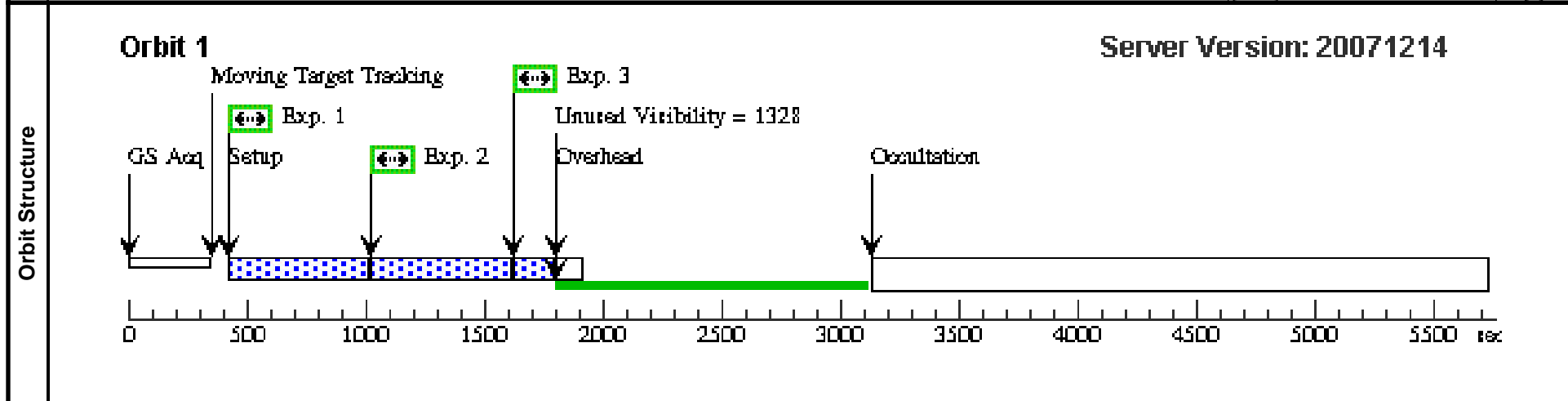
Visit	Proposal 11156, Visit 23 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]



Visit	Proposal 11156, Visit 24						
	Priority: M						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFPC2						
Special Requirements: (none)							

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-LONG	STD=NEPTUNE				EARTH

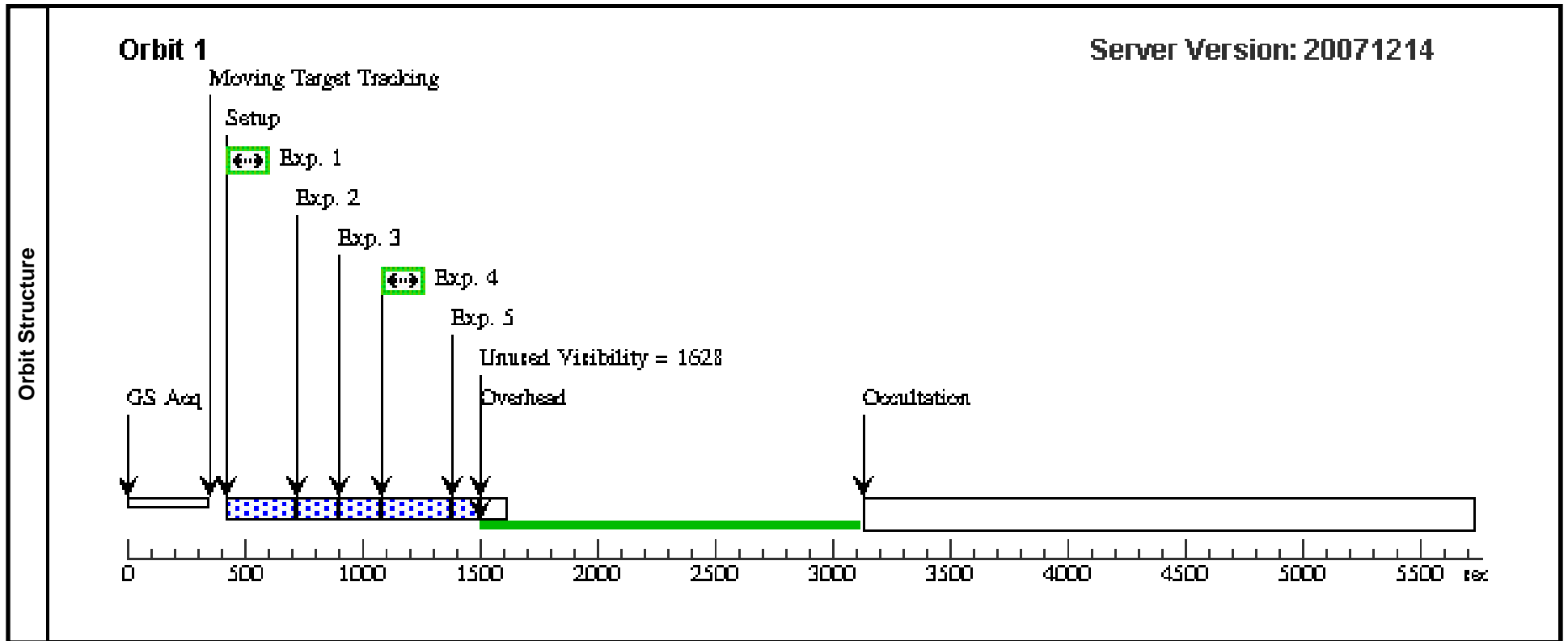
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs	
			G			6193.0 A			[==>]	[1]
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F953N			400.0 Secs	
		G						[==>]	[1]	
	3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F467M			60.0 Secs	
		G						[==>]	[1]	



Proposal 11156 - Visit 25 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:17 GMT 2008

Visit	Proposal 11156, Visit 25 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	URANUS-BLUE	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]

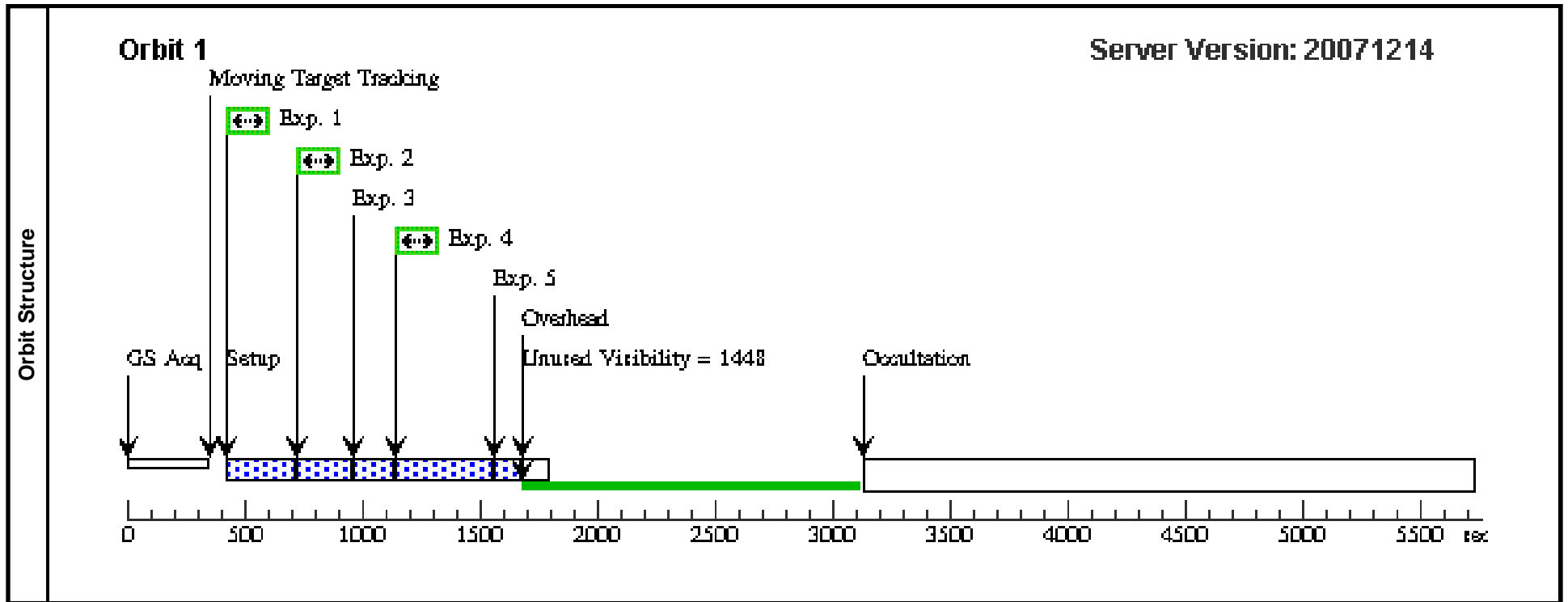


Proposal 11156 - Visit 26 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:17 GMT 2008

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	URANUS-RED	STD=URANUS				

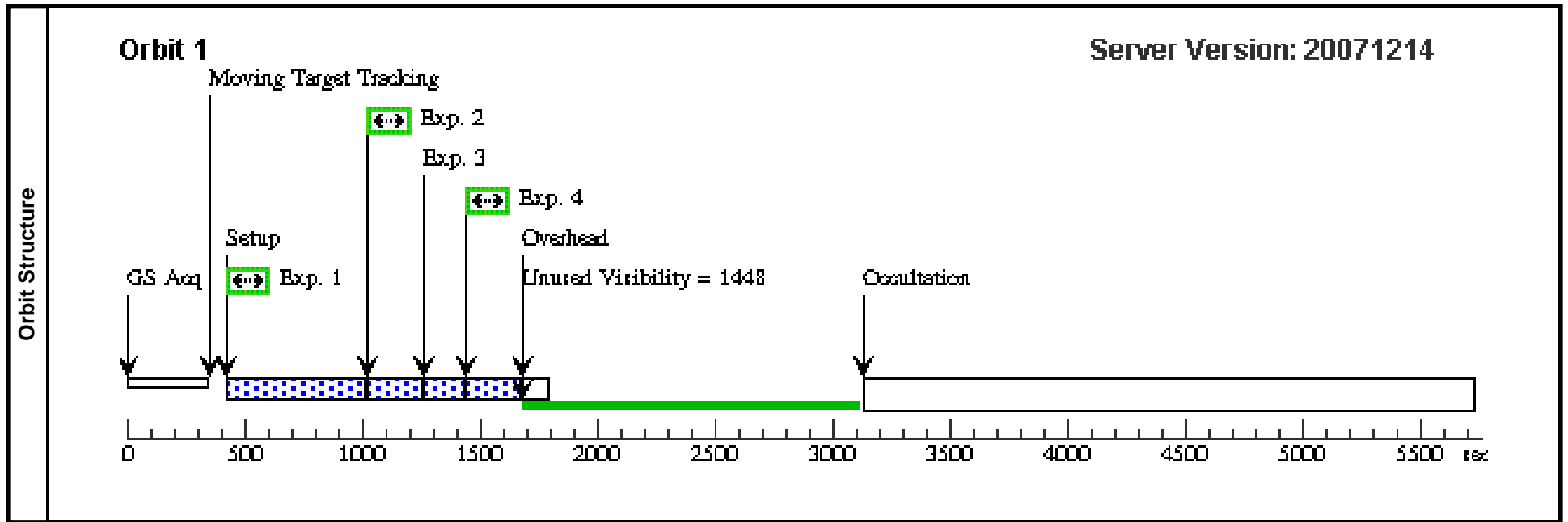
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs [==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs [==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]



Proposal 11156 - Visit 27 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:17 GMT 2008

Visit	Proposal 11156, Visit 27 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE				EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]

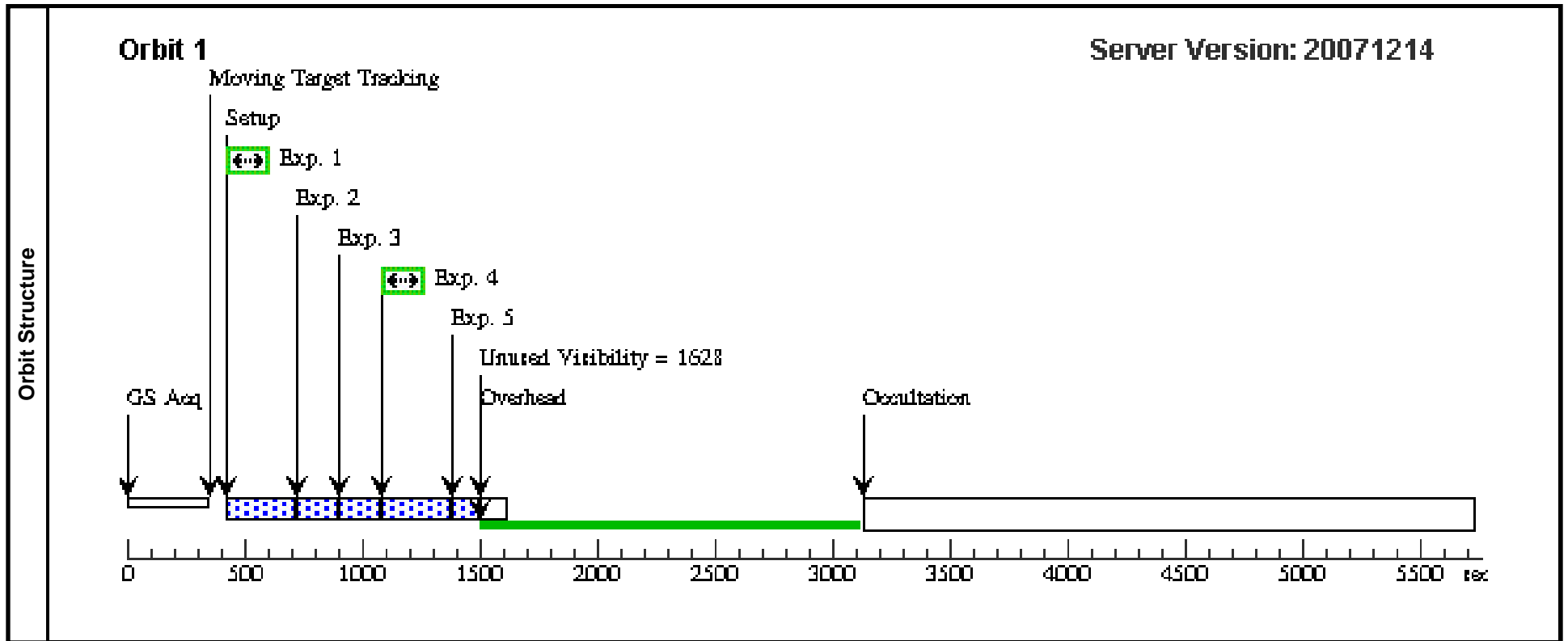


Visit	Proposal 11156, Visit 28 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs		
			G			6193.0 A			[==>]	[1]	
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F953N				400.0 Secs		
			G					[==>]	[1]		
	3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F467M				60.0 Secs		
			G					[==>]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p>										
	<p>Timeline labels: GS Acq, Moving Target Tracking, Setup, Exp. 1, Exp. 2, Exp. 3, Unused Visibility = 1328, Overhead, Occultation.</p>										

Proposal 11156 - Visit 29 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:18 GMT 2008

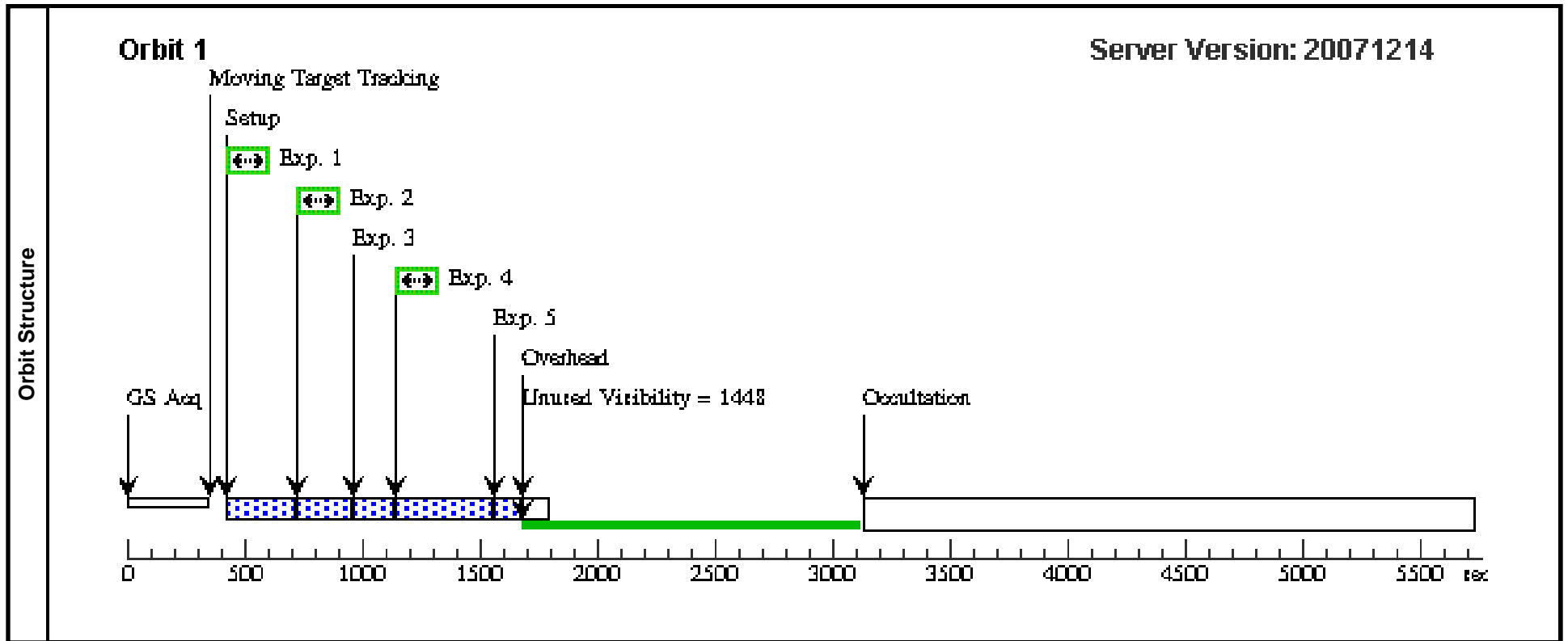
Visit	Proposal 11156, Visit 29 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	URANUS-BLUE	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 30 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:18 GMT 2008

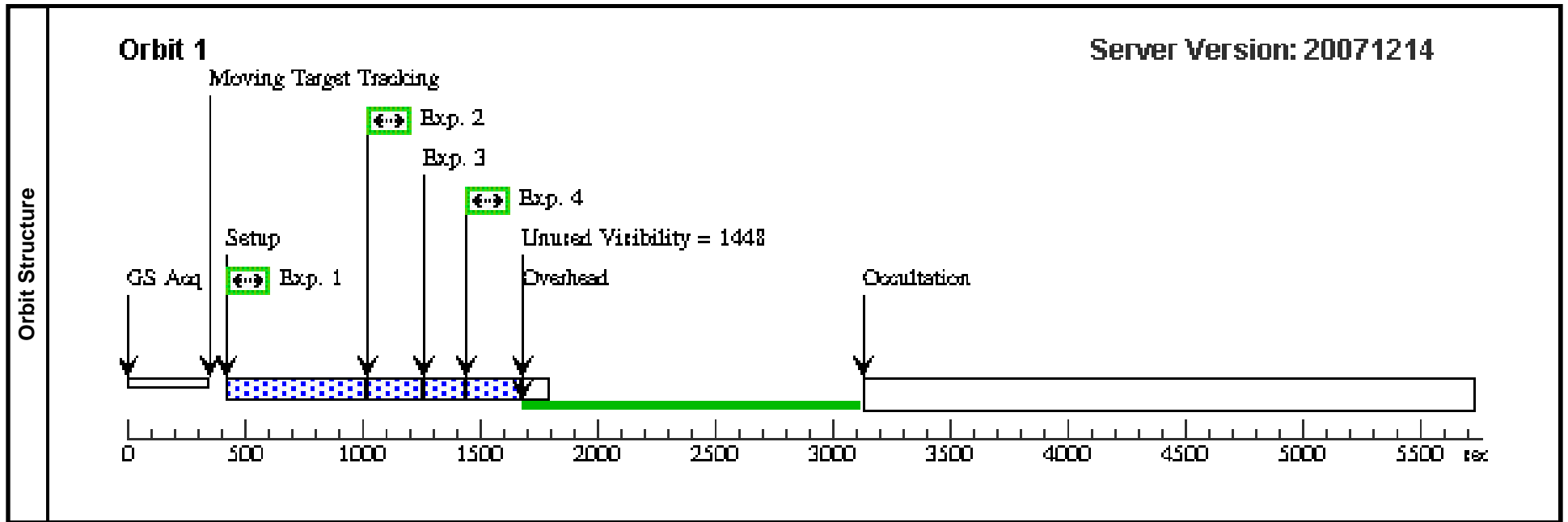
Visit	Proposal 11156, Visit 30 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 31 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:18 GMT 2008

Visit	Proposal 11156, Visit 31 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]

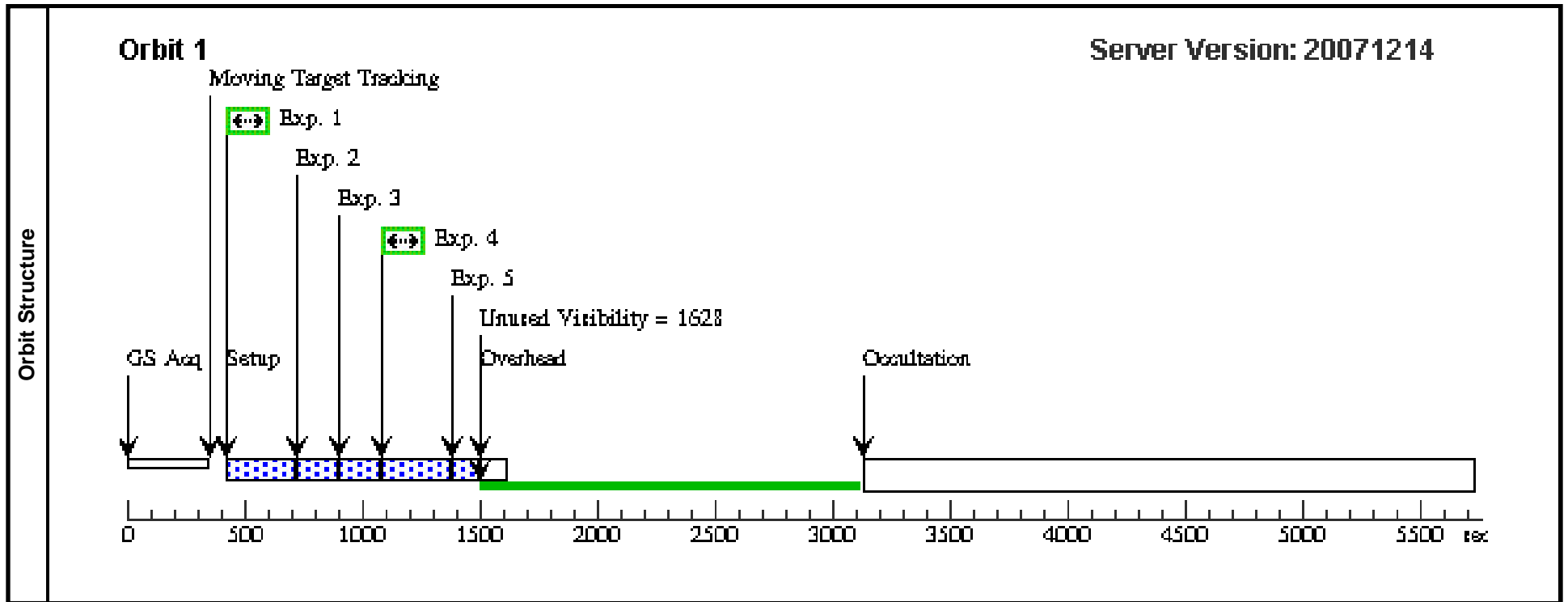


Visit	Proposal 11156, Visit 32 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs		
			G			6193.0 A			[==>]	[1]	
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F953N				400.0 Secs		
		G						[==>]	[1]		
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F467M				60.0 Secs			
		G						[==>]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>The diagram shows a horizontal timeline for Orbit 1. Key events are marked with arrows and labels: GS Acq (0-50s), Setup (50-100s), Exp. 1 (100-400s), Exp. 2 (1000-1100s), Exp. 3 (1600-1700s), Unused Visibility = 1328 (1700-3100s), Overhead (3100-3200s), and Occultation (3200-5500s). The x-axis is labeled 'Sec' and ranges from 0 to 5500 with major ticks every 500 units.</p>										
	<p>Timeline details: GS Acq, Setup, Exp. 1, Exp. 2, Exp. 3, Unused Visibility = 1328, Overhead, Occultation.</p>										

Proposal 11156 - Visit 33 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:19 GMT 2008

Visit	Proposal 11156, Visit 33 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
Solar System Targets	(1)	URANUS-BLUE	STD=URANUS				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				100.0 Secs [==>]	[1]
	2		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M				20.0 Secs [==>]	[1]
	3		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M				3.5 Secs [==>]	[1]
	4		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N				120.0 Secs [==>]	[1]
	5		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W				12.0 Secs [==>]	[1]

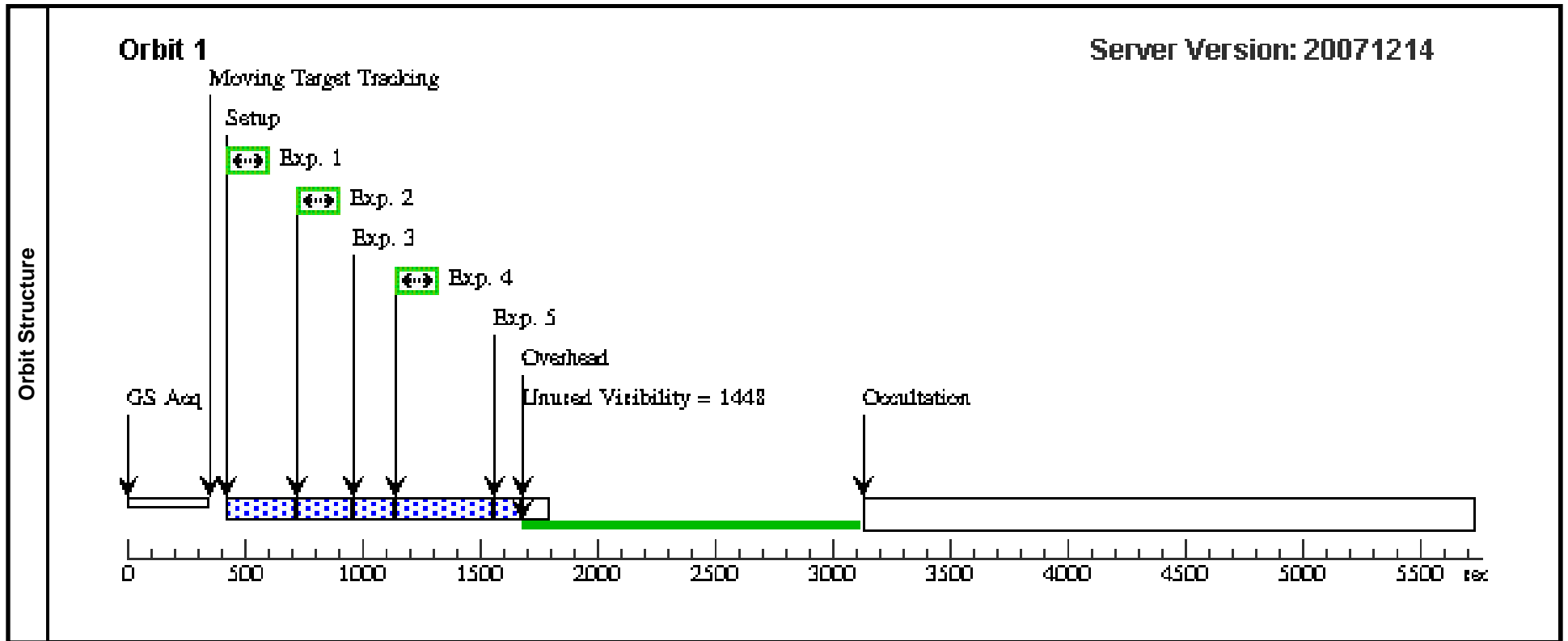


Proposal 11156 - Visit 34 - Monitoring Active Atmospheres on Uranus and Neptune

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Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	URANUS-RED	STD=URANUS				

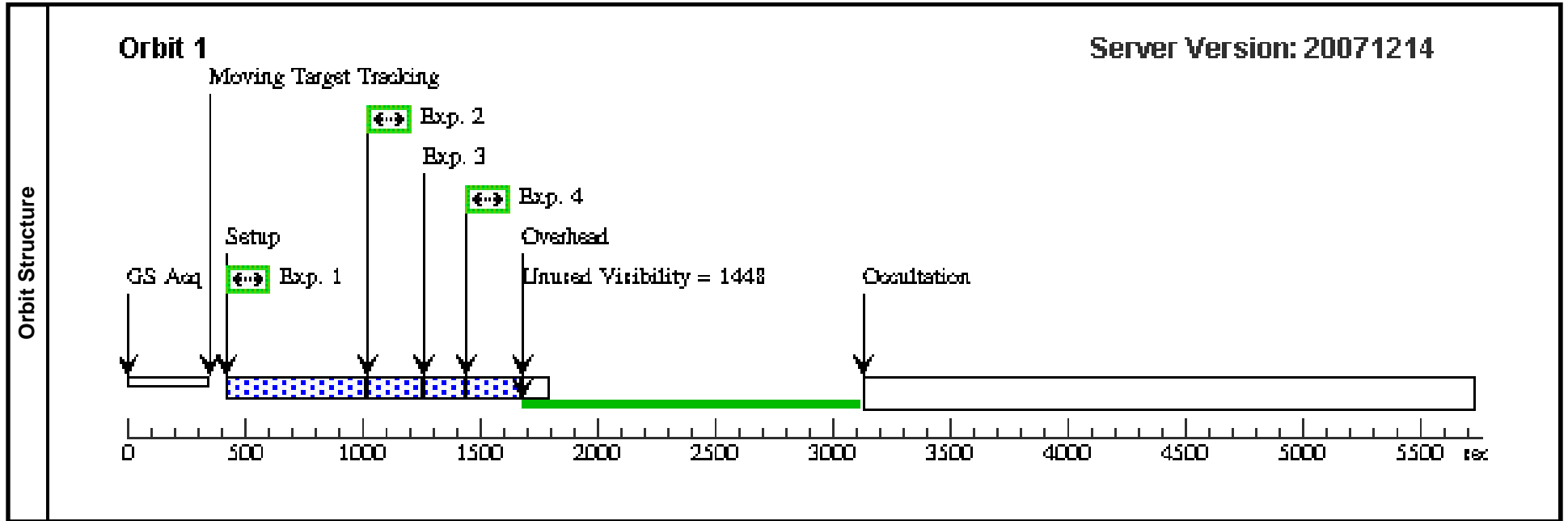
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs [==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs [==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]



Proposal 11156 - Visit 35 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:19 GMT 2008

Visit	Proposal 11156, Visit 35 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]



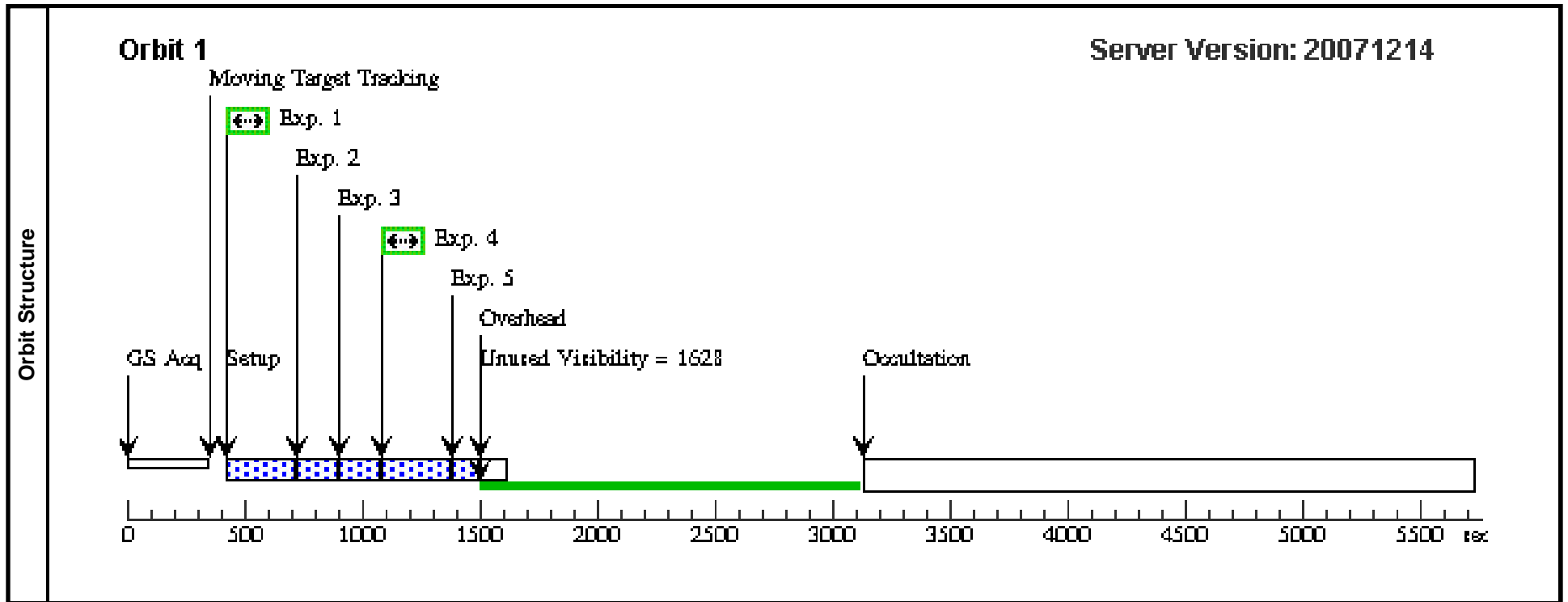
Visit	Proposal 11156, Visit 36 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs		
			G			6193.0 A			[==>]	[1]	
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F953N				400.0 Secs		
		G						[==>]	[1]		
	3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F467M				60.0 Secs		
		G						[==>]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>The diagram shows a horizontal timeline for Orbit 1. The x-axis represents time in seconds, ranging from 0 to 5500 with major ticks every 500 seconds. The timeline is divided into several segments: <ul style="list-style-type: none"> GS Acq: A small white box from 0 to 50 seconds. Setup: A blue hatched box from 50 to 100 seconds. Exp. 1: A green hatched box from 100 to 400 seconds. Exp. 2: A green hatched box from 1000 to 1100 seconds. Exp. 3: A green hatched box from 1600 to 1700 seconds. Unused Visibility = 1328: A long white box from 1700 to 3100 seconds. Overhead: A small white box from 3100 to 3200 seconds. Occultation: A long white box from 3200 to 5500 seconds. Arrows point to each of these segments. Above the timeline, labels 'Exp. 1', 'Exp. 2', and 'Exp. 3' are placed with double-headed arrows indicating their duration. </p>										

Proposal 11156 - Visit 37 - Monitoring Active Atmospheres on Uranus and Neptune

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Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	URANUS-BLUE	STD=URANUS				

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15				100.0 Secs	
					6193.0 A				[==>]	[1]
	2		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M				20.0 Secs	
									[==>]	[1]
	3		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M				3.5 Secs	
								[==>]	[1]	
4		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N				120.0 Secs		
								[==>]	[1]	
5		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W				12.0 Secs		
								[==>]	[1]	

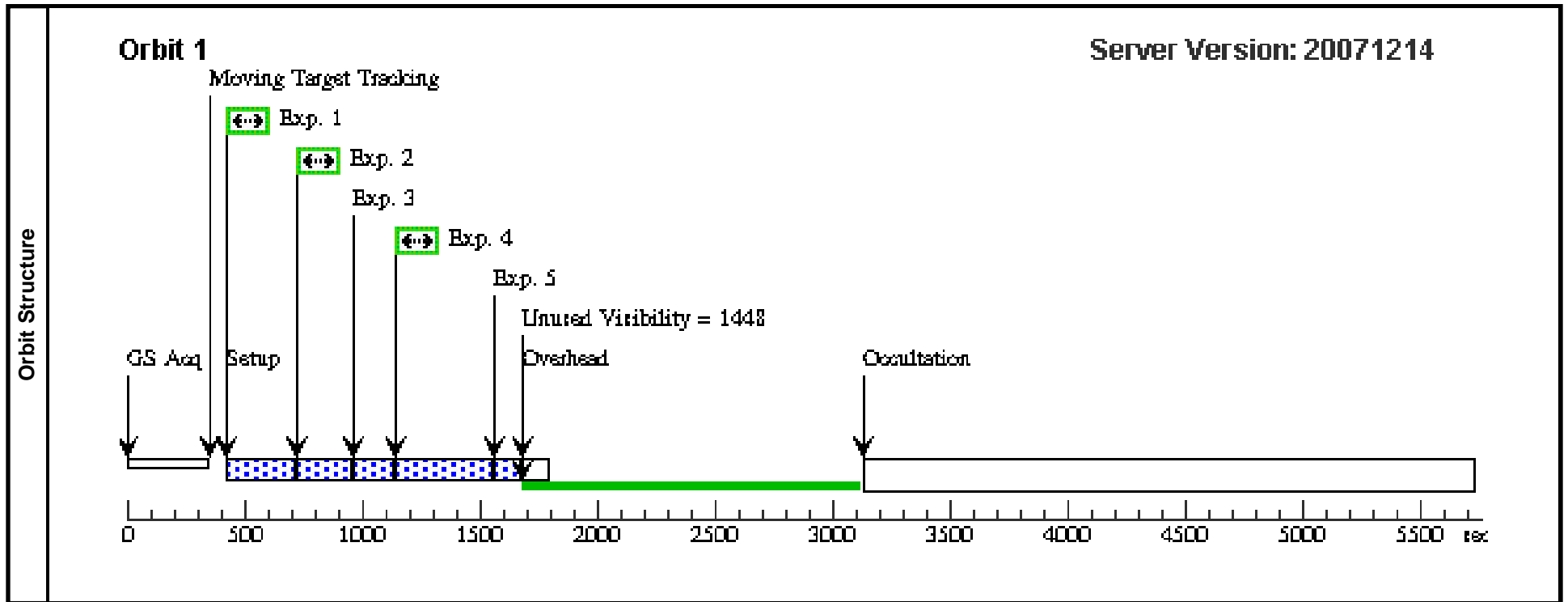


Proposal 11156 - Visit 38 - Monitoring Active Atmospheres on Uranus and Neptune

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Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	URANUS-RED	STD=URANUS				

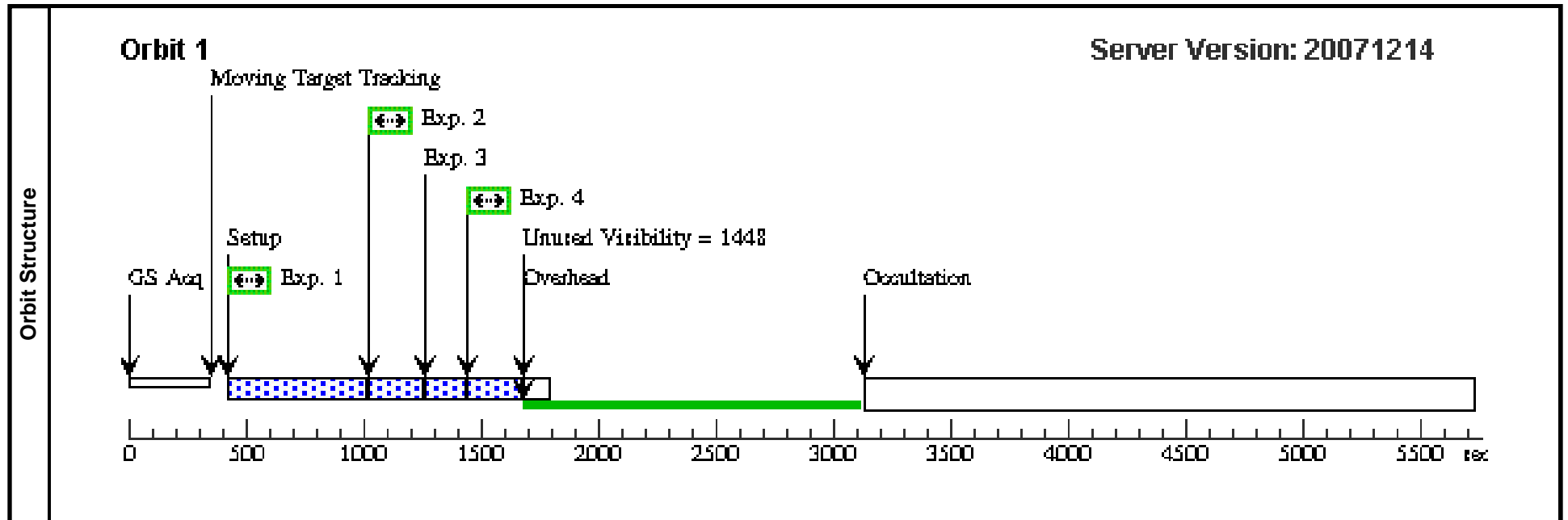
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs [==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs [==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]



Proposal 11156 - Visit 39 - Monitoring Active Atmospheres on Uranus and Neptune

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Visit	Proposal 11156, Visit 39 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE				EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]

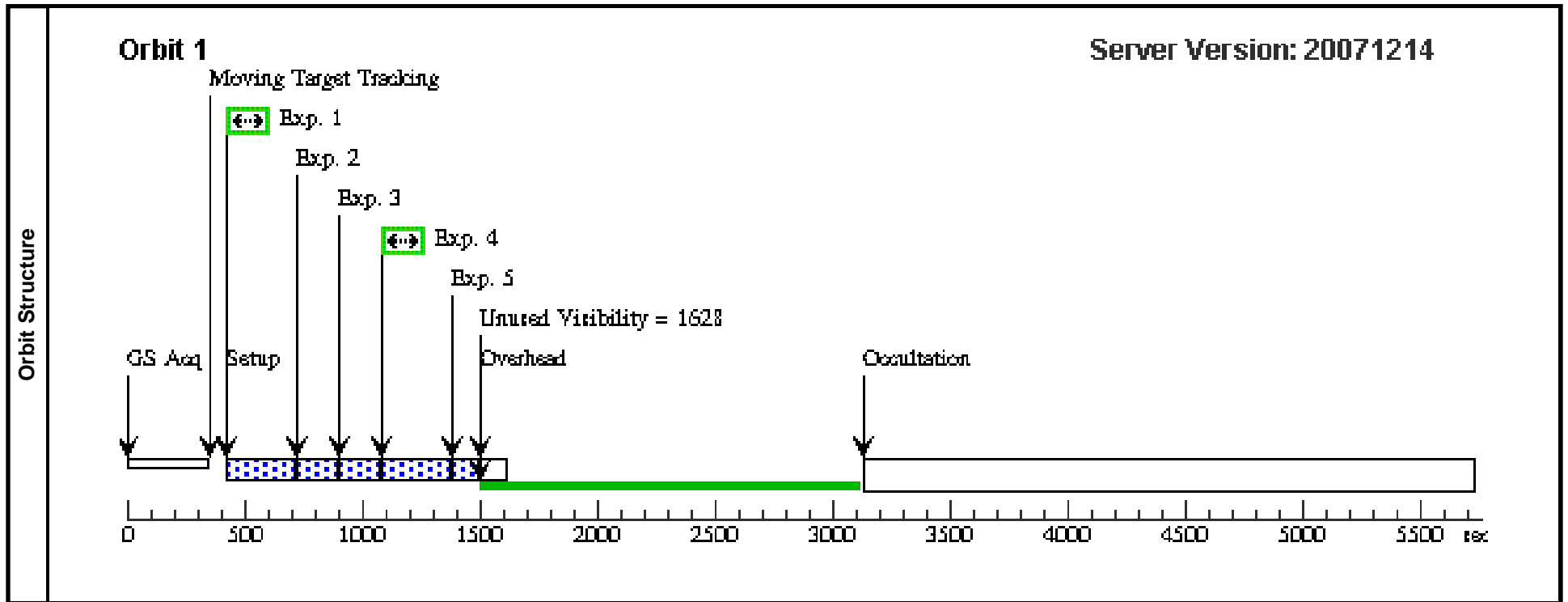


Visit	Proposal 11156, Visit 40 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE				EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs		
		G			6193.0 A				[==>]	[1]	
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F953N				400.0 Secs		
	G							[==>]	[1]		
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F467M				60.0 Secs			
	G							[==>]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p>										
	<p>Timeline labels: GS Acq, Setup, Exp. 1, Exp. 2, Exp. 3, Overhead, Unused Visibility = 1328, Occultation.</p>										

Proposal 11156 - Visit 41 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:20 GMT 2008

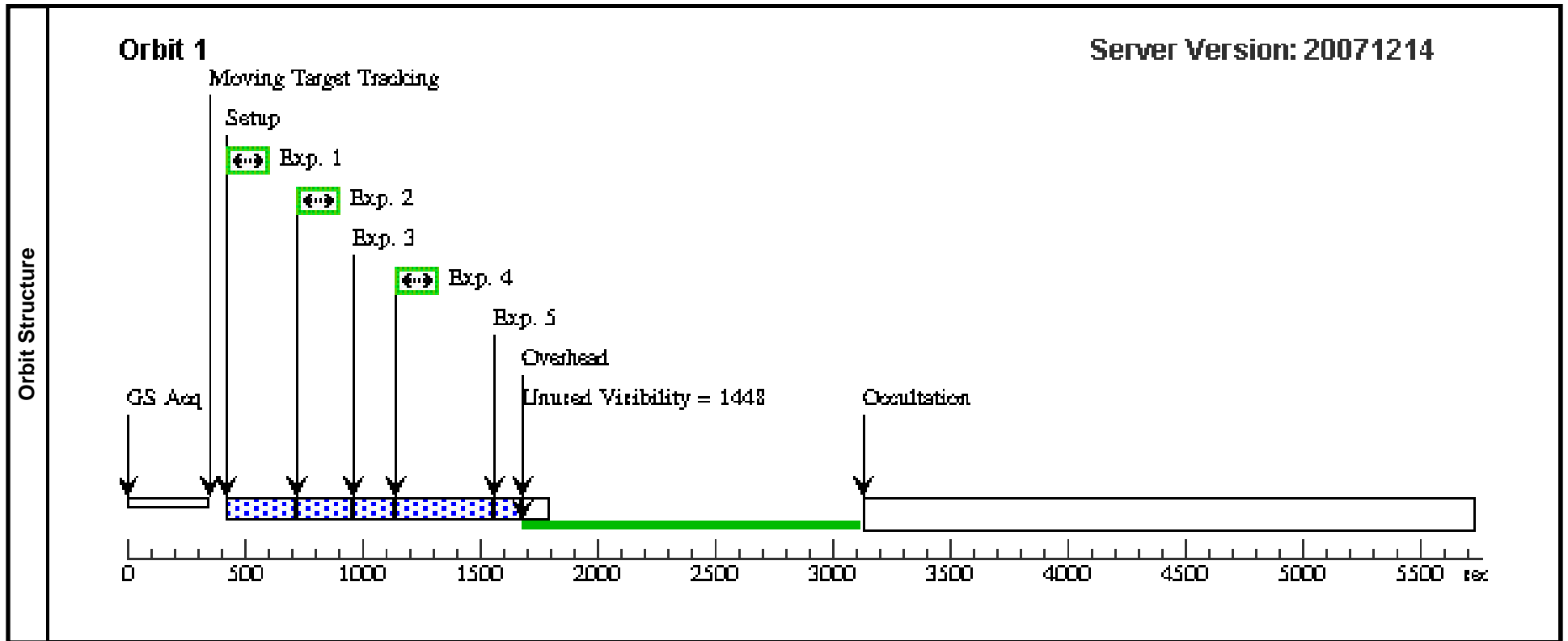
Visit	Proposal 11156, Visit 41 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
Solar System Targets	(1)	URANUS-BLUE	STD=URANUS				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 42 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:20 GMT 2008

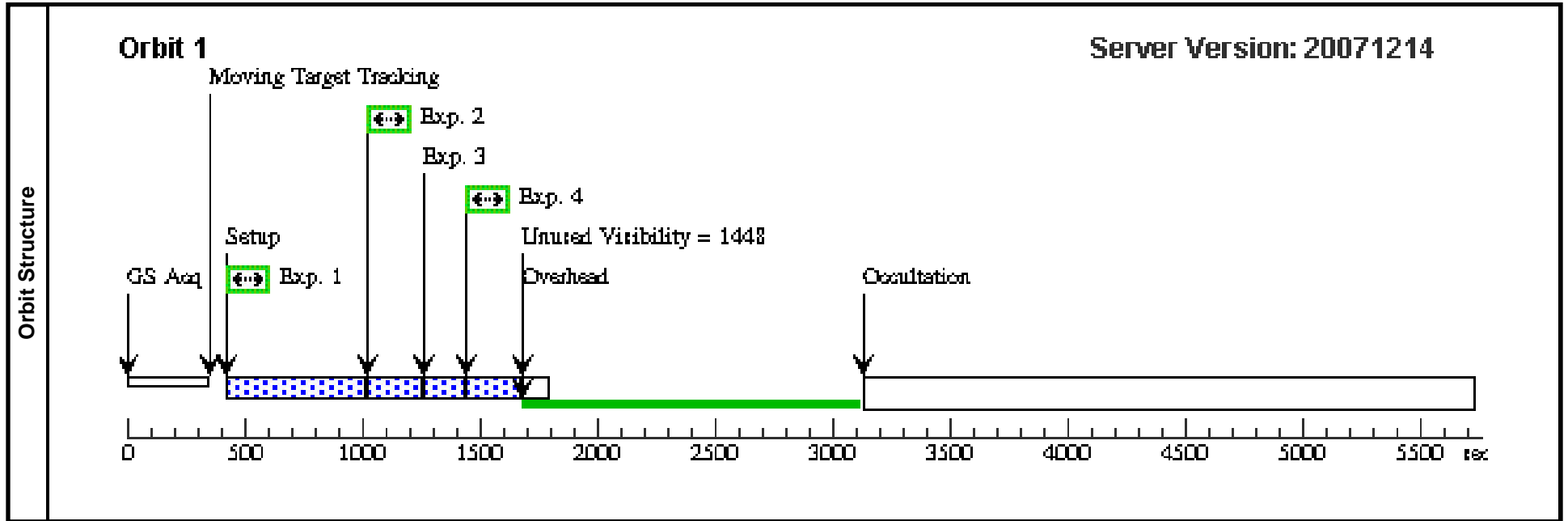
Visit	Proposal 11156, Visit 42 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 43 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:21 GMT 2008

Visit	Proposal 11156, Visit 43 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE				EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]

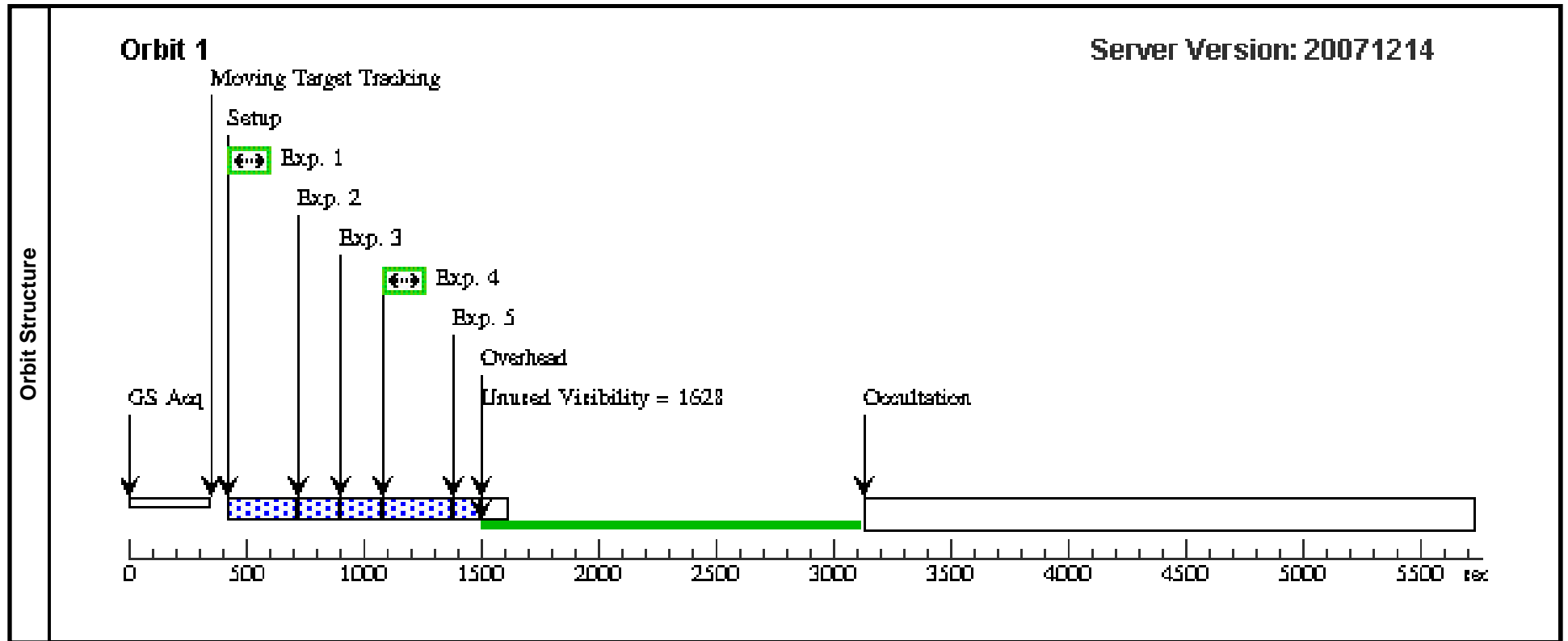


Visit	Proposal 11156, Visit 44 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs		
			G			6193.0 A			[=>]	[1]	
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F953N				400.0 Secs		
		G						[=>]	[1]		
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F467M				60.0 Secs			
		G						[=>]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p>										
	<p>Timeline labels: GS Acq, Setup, Exp. 1, Exp. 2, Exp. 3, Overhead, Unused Visibility = 1328, Occultation.</p>										

Proposal 11156 - Visit 45 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:21 GMT 2008

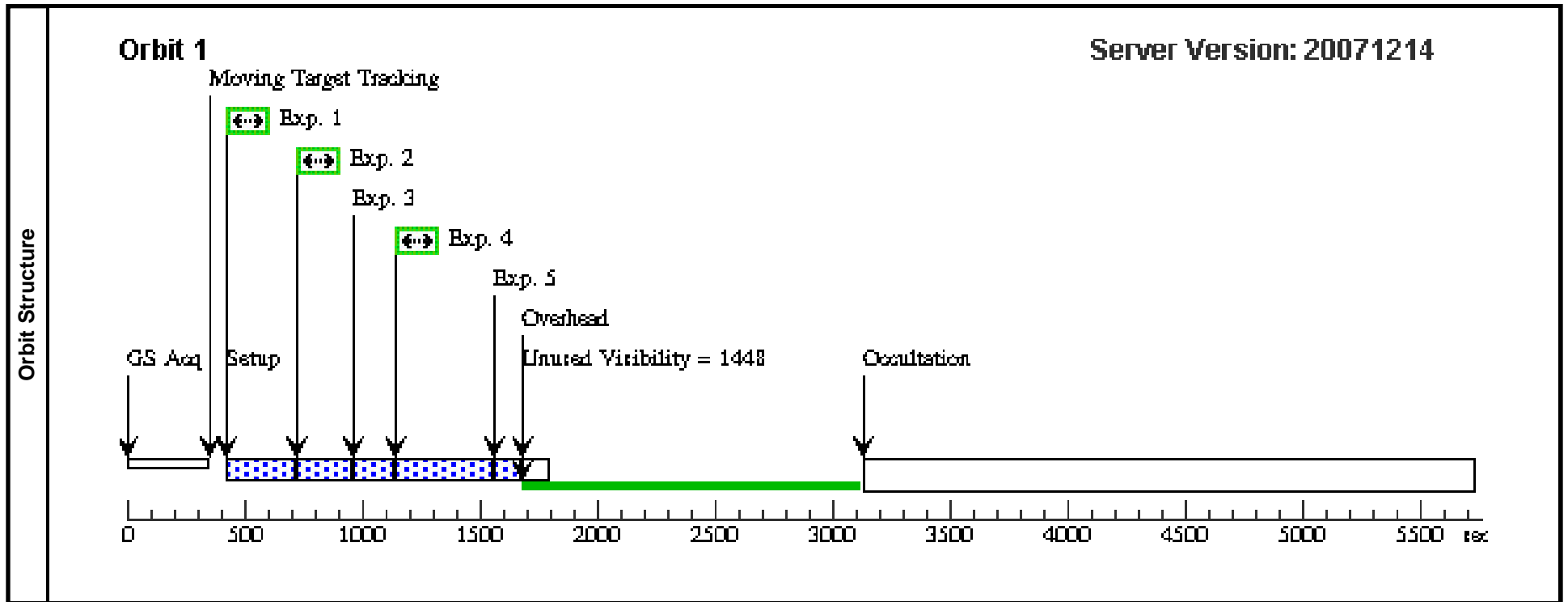
Visit	Proposal 11156, Visit 45 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	URANUS-BLUE	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 46 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:21 GMT 2008

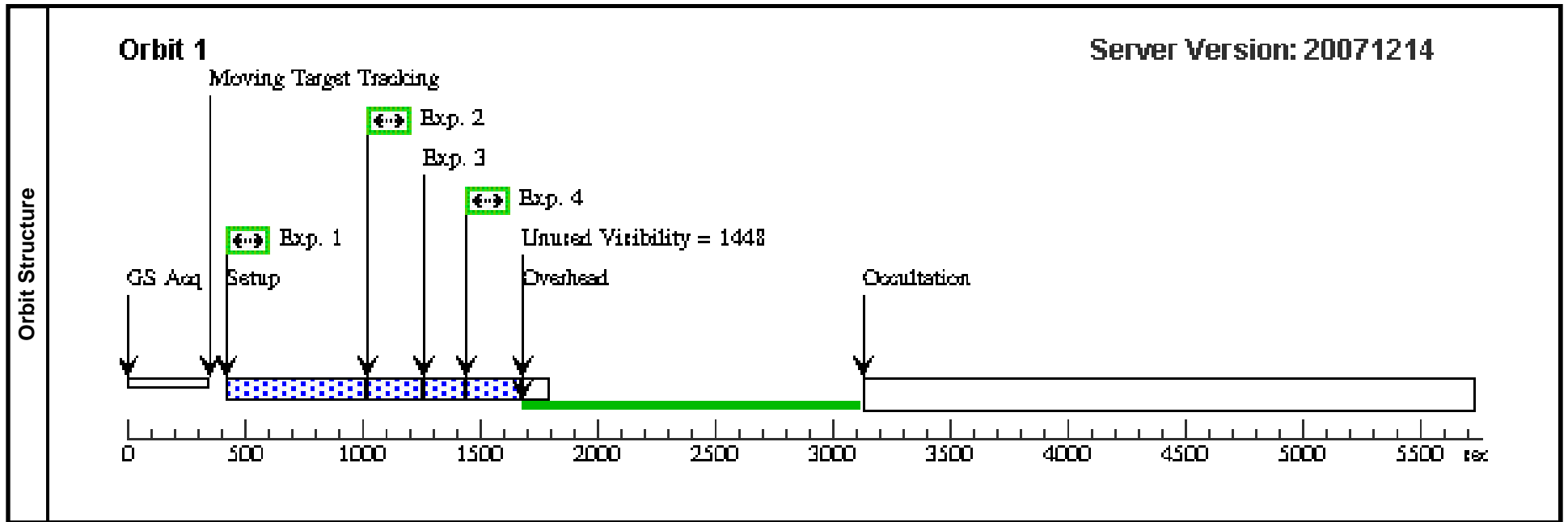
Visit	Proposal 11156, Visit 46 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 47 - Monitoring Active Atmospheres on Uranus and Neptune

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Visit	Proposal 11156, Visit 47 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]	[1]	
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]	[1]	
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]	[1]	
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]	[1]	

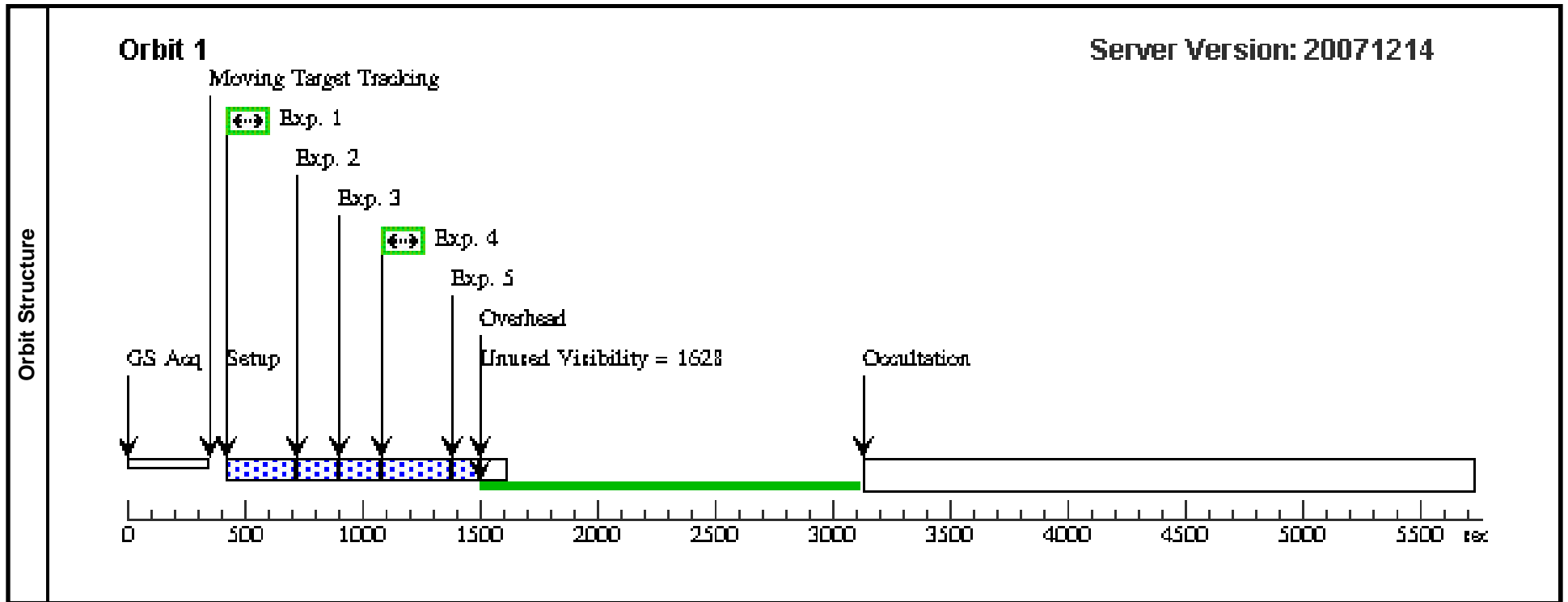


Visit	Proposal 11156, Visit 48 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs		
		G			6193.0 A				[==>]	[1]	
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F953N				400.0 Secs		
	G							[==>]	[1]		
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1	F467M				60.0 Secs			
	G							[==>]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p>										
	<p>Timeline labels: GS Acq, Moving Target Tracking, Setup, Exp. 1, Exp. 2, Exp. 3, Overhead, Unused Visibility = 1328, Occultation.</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										

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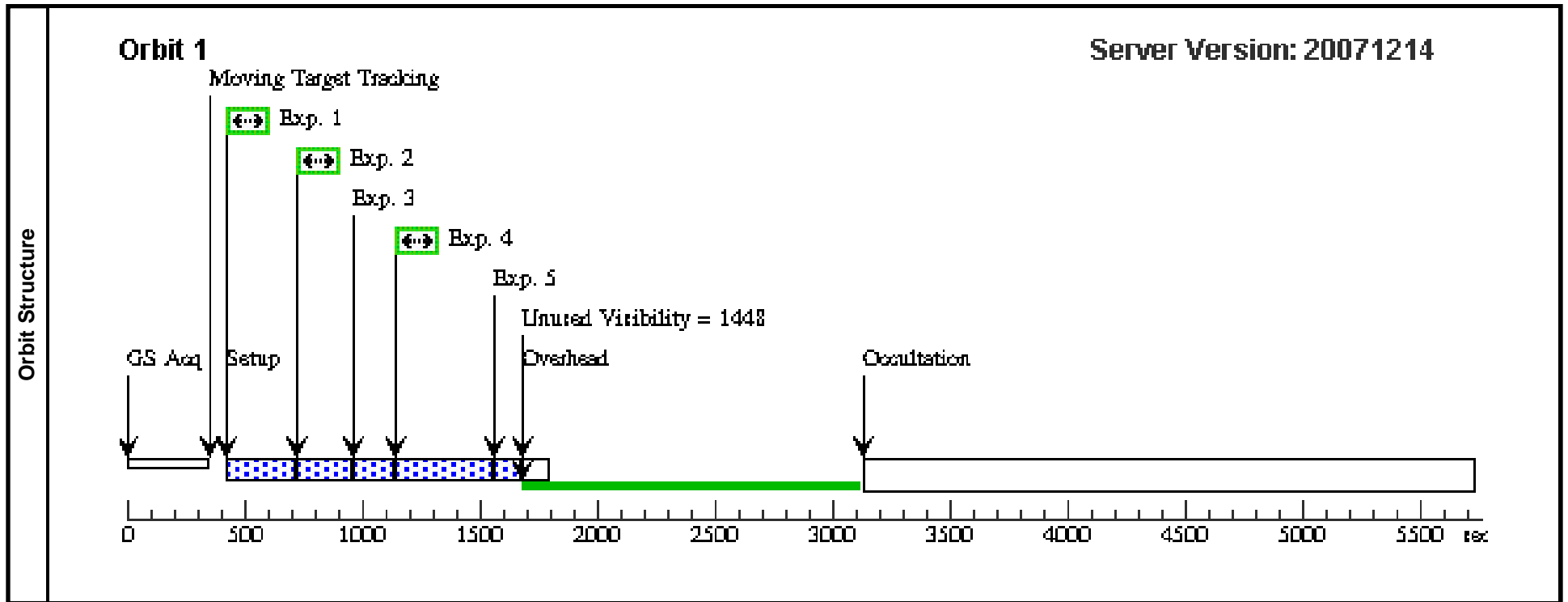
Visit	Proposal 11156, Visit 49 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	URANUS-BLUE	STD=URANUS					EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



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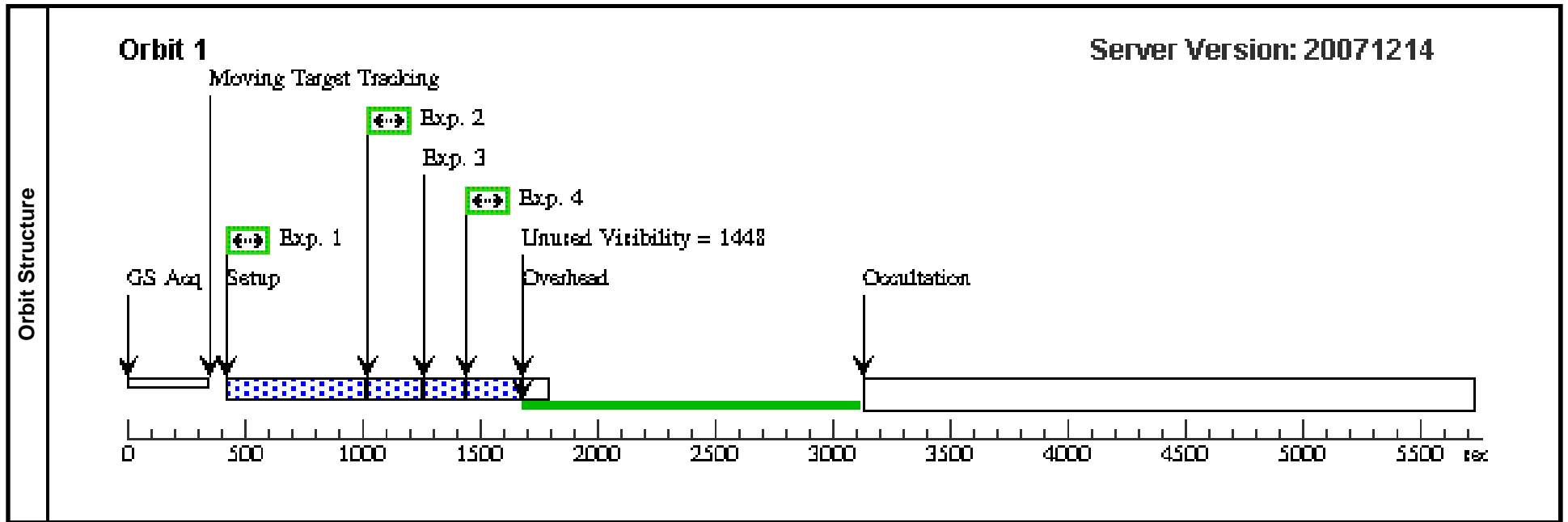
Visit	Proposal 11156, Visit 50 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 51 - Monitoring Active Atmospheres on Uranus and Neptune

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Visit	Proposal 11156, Visit 51 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]



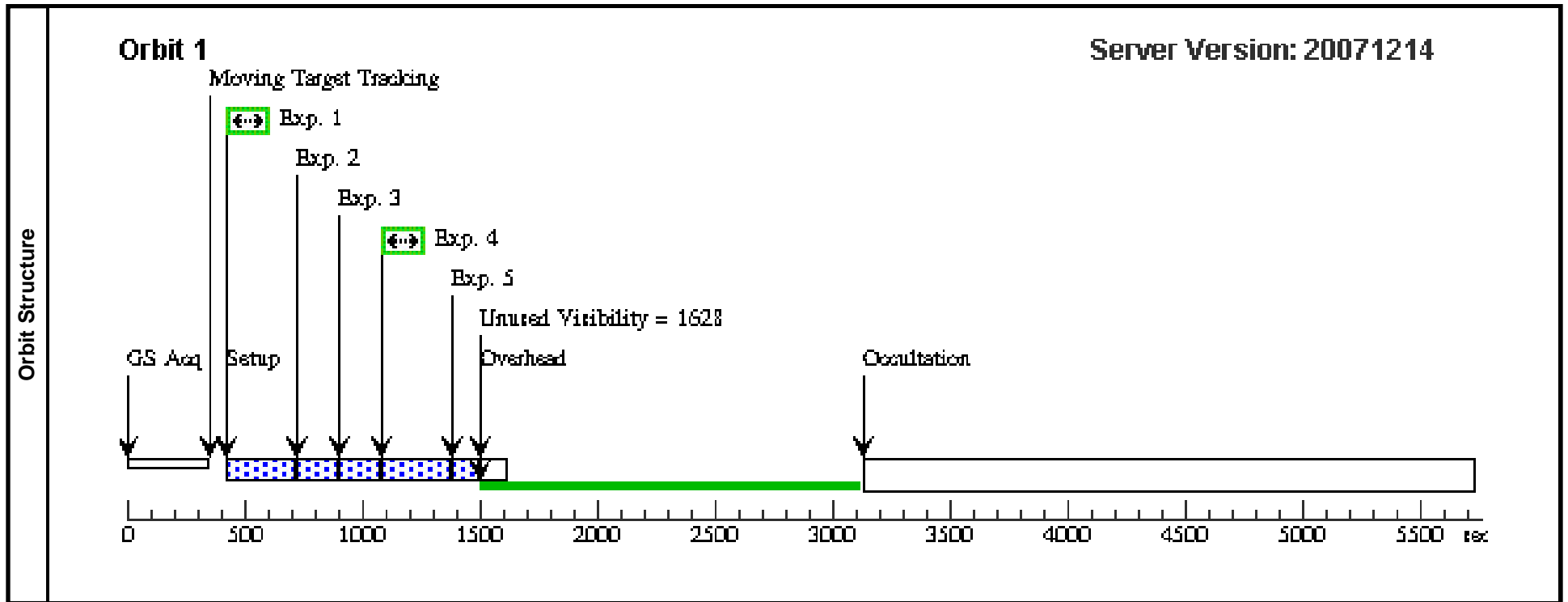
Visit	Proposal 11156, Visit 52 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(4)		NEPTUNE-LONG	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]	[1]	
	2	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, PC1	F953N				400.0 Secs [==>]	[1]	
	3	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]	[1]	
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>The diagram shows a timeline for Orbit 1. Key events are marked with arrows: GS Acq at 0s, Setup at ~400s, Exp. 1 at ~500s, Exp. 2 at ~1000s, Exp. 3 at ~1700s, Overhead at ~1800s, and Occultation starting at ~3100s. A blue hatched region covers the period from ~400s to ~1800s. The x-axis is labeled 'Sec' and ranges from 0 to 5500.</p>										
	<p>Timeline labels: GS Acq, Setup, Exp. 1, Exp. 2, Exp. 3, Overhead, Unused Visibility = 1328, Occultation.</p>										

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Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	URANUS-BLUE	STD=URANUS				

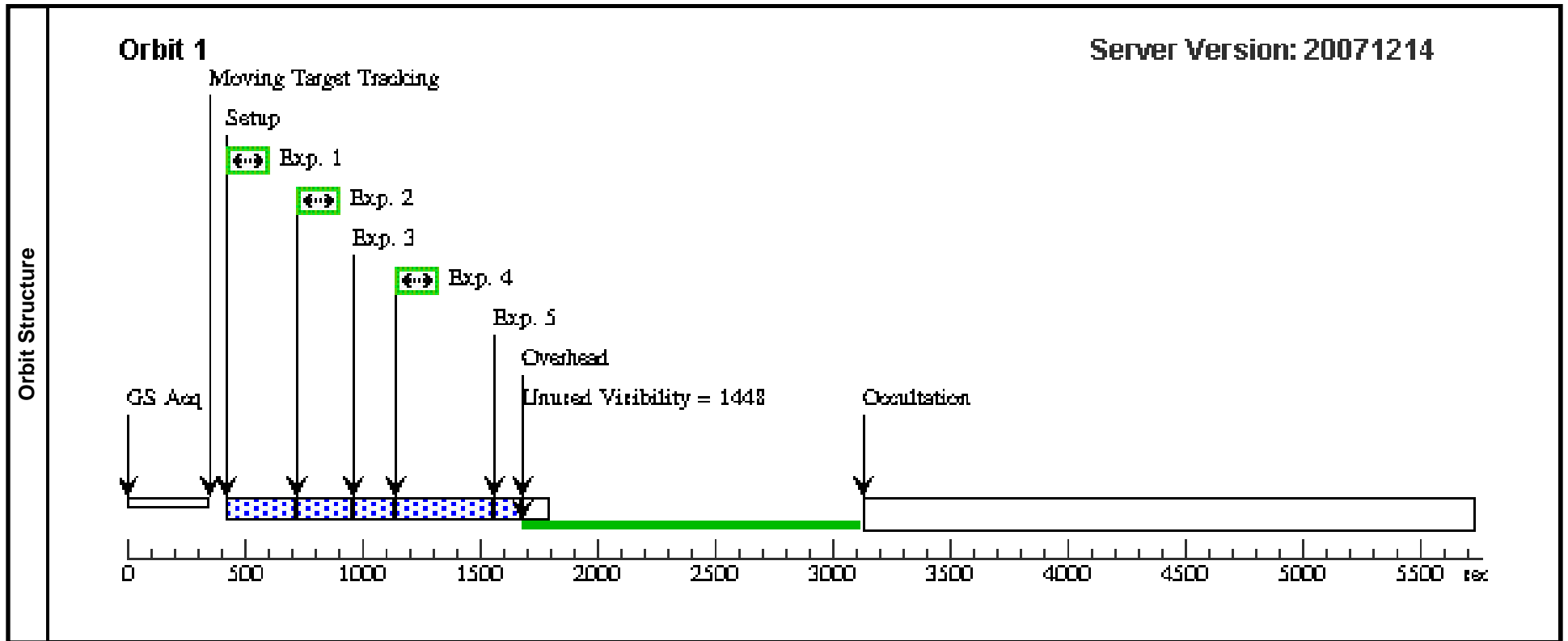
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]
2		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
3		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
4		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
5		(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 54 - Monitoring Active Atmospheres on Uranus and Neptune

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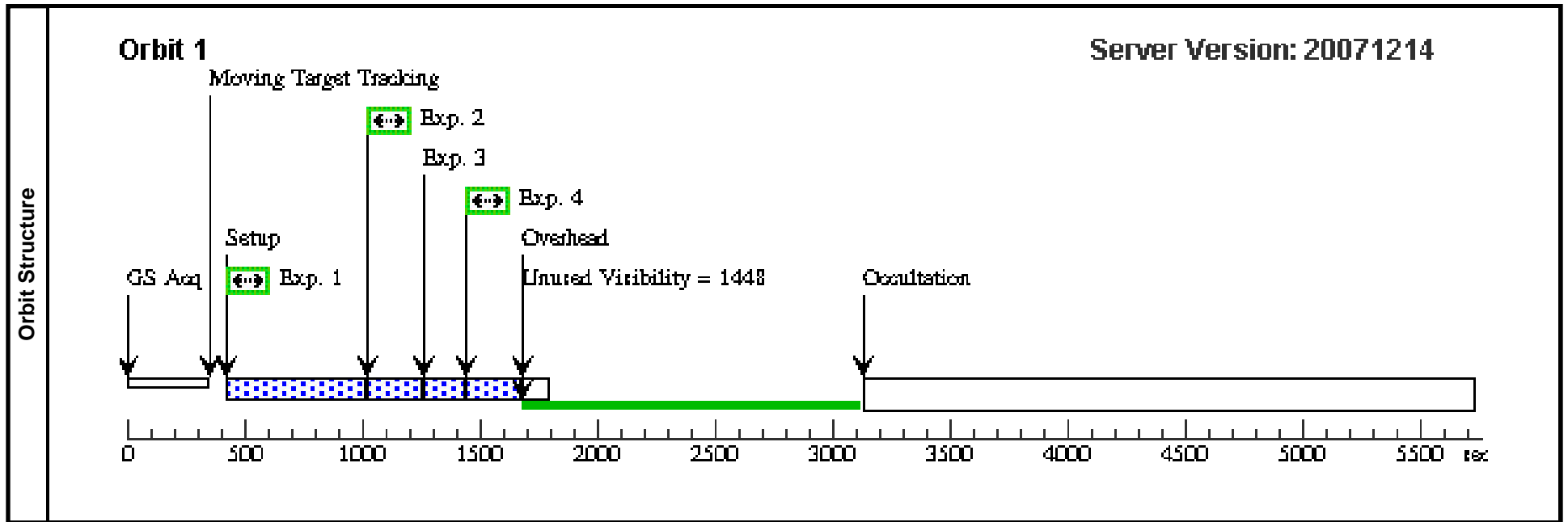
Visit	Proposal 11156, Visit 54 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 55 - Monitoring Active Atmospheres on Uranus and Neptune

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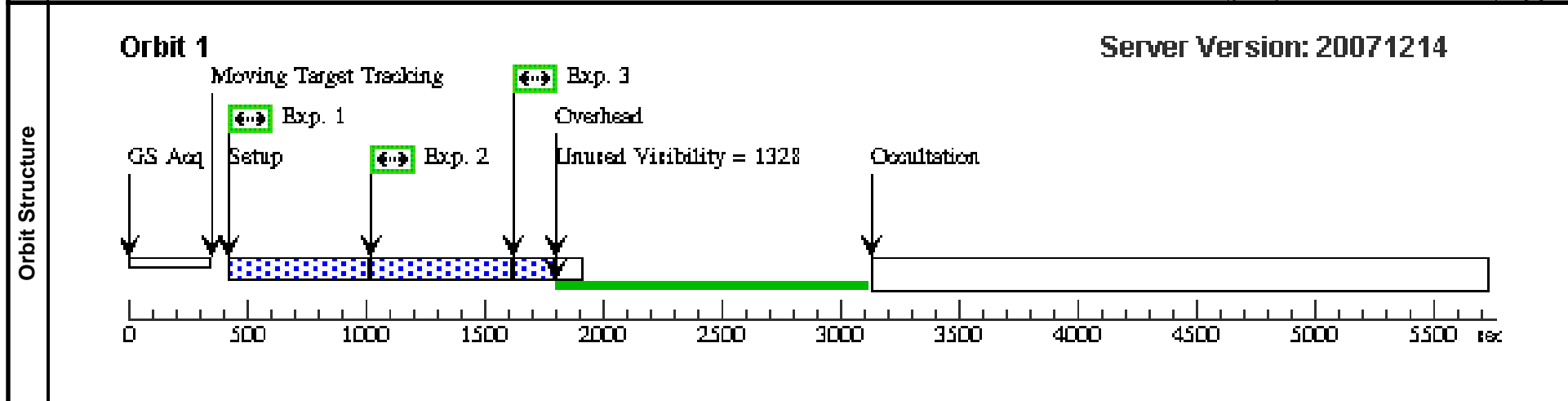
Visit	Proposal 11156, Visit 55 Priority: M Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]	[1]	
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]	[1]	
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]	[1]	
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]	[1]	



Visit	Proposal 11156, Visit 56						
	Priority: M						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFPC2						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-LONG	STD=NEPTUNE				EARTH

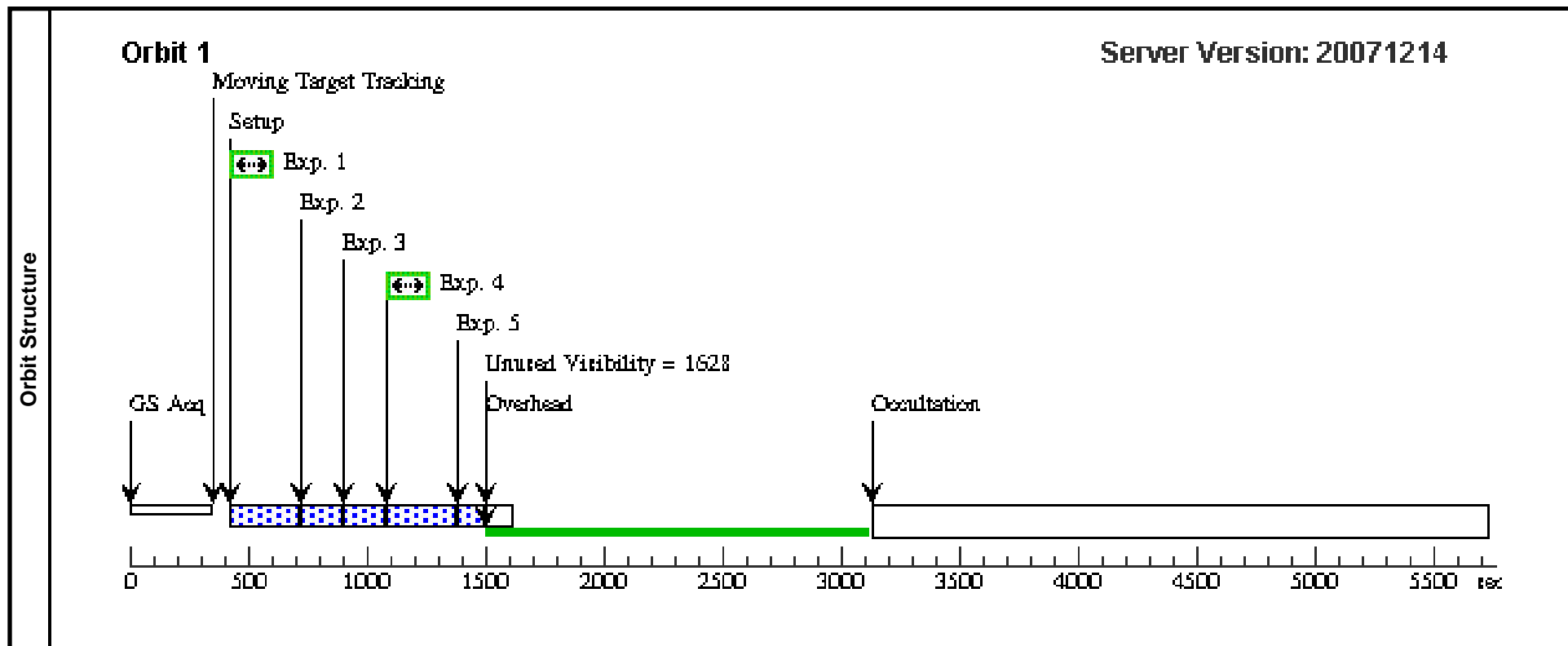
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NEPTUNE-LONG	WFPC2, IMAGE, FQCH4N15	FQCH4N15				300.0 Secs	
			G			6193.0 A			[==>]	[1]
	2		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F953N			400.0 Secs	
		G						[==>]	[1]	
3		(4) NEPTUNE-LONG	WFPC2, IMAGE, PC1		F467M			60.0 Secs		
		G						[==>]	[1]	



Proposal 11156 - Visit 57 - Monitoring Active Atmospheres on Uranus and Neptune

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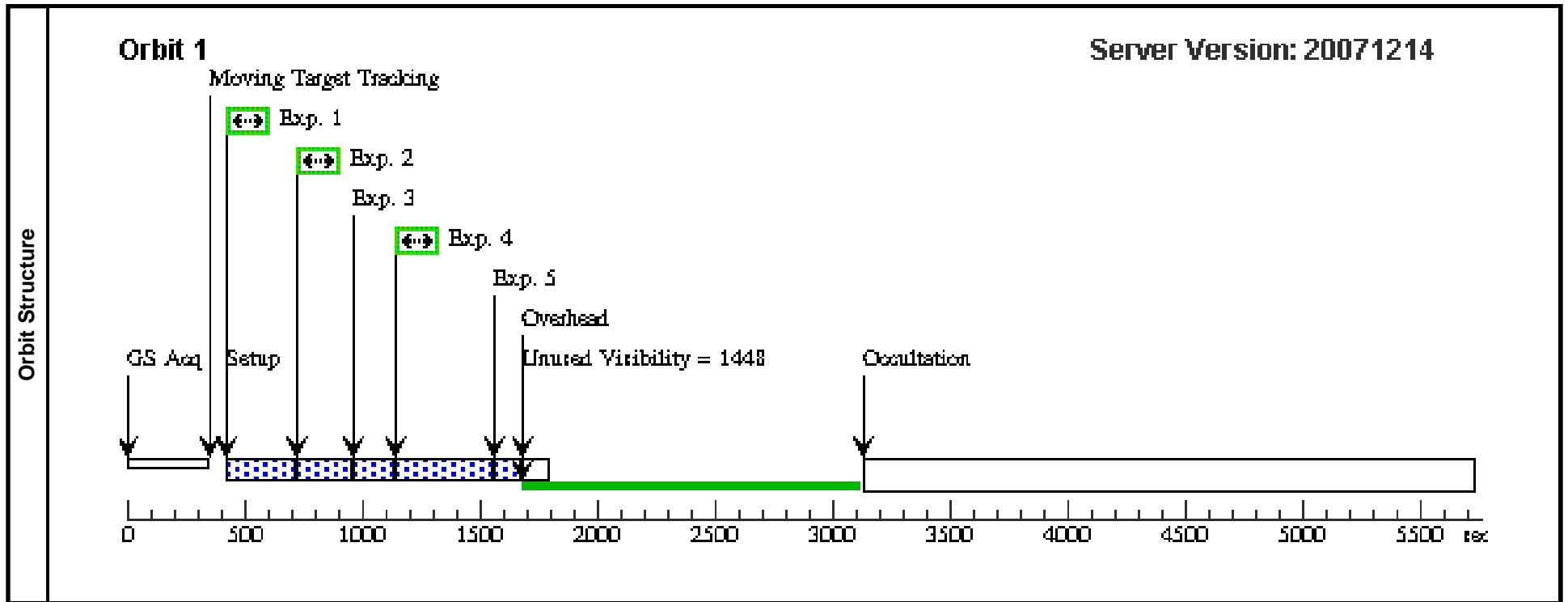
Visit	Proposal 11156, Visit 57 Priority: L Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
Solar System Targets	(1)	URANUS-BLUE	STD=URANUS				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) URANUS-BLUE	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs [==>]	[1]
	2	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F467M					20.0 Secs [==>]	[1]
	3	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F547M					3.5 Secs [==>]	[1]
	4	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F658N					120.0 Secs [==>]	[1]
	5	(1) URANUS-BLUE	WFPC2, IMAGE, PC1	F791W					12.0 Secs [==>]	[1]



Proposal 11156 - Visit 58 - Monitoring Active Atmospheres on Uranus and Neptune

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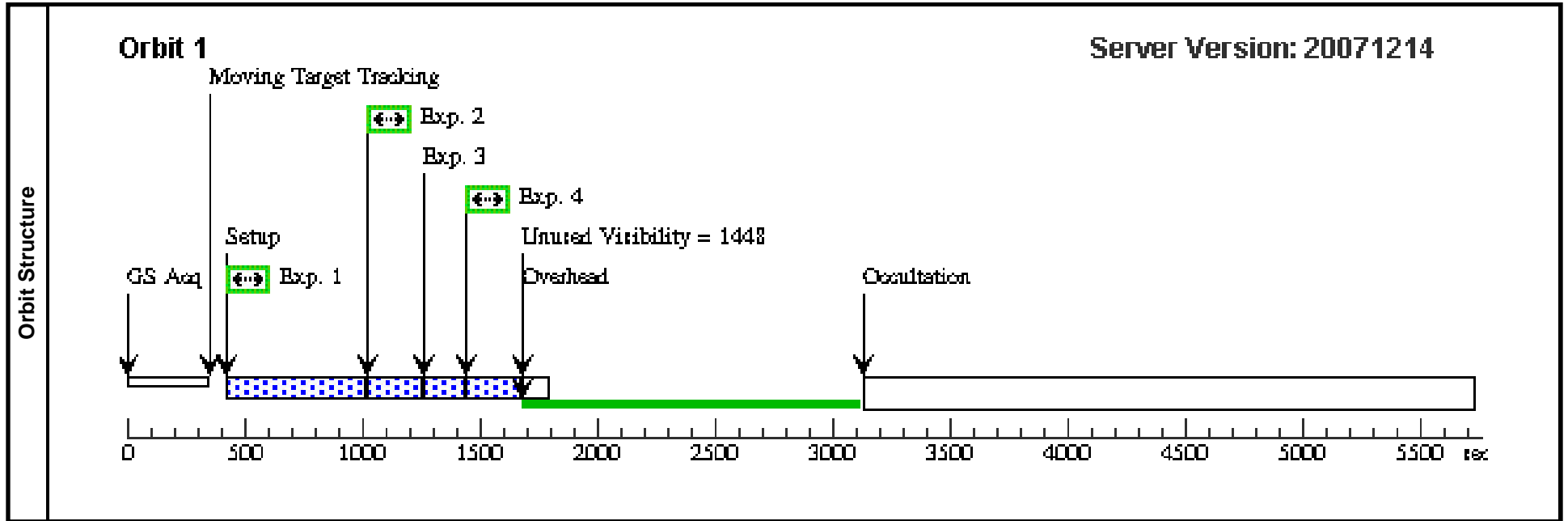
Visit	Proposal 11156, Visit 58 Priority: L Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(2)		URANUS-RED	STD=URANUS					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) URANUS-RED	WFPC2, IMAGE, FQCH4N15	FQCH4N15	6193.0 A				100.0 Secs	[==>]	[1]
	2	(2) URANUS-RED	WFPC2, IMAGE, PC1	F673N					60.0 Secs	[==>]	[1]
	3	(2) URANUS-RED	WFPC2, IMAGE, PC1	F791W					12.0 Secs	[==>]	[1]
	4	(2) URANUS-RED	WFPC2, IMAGE, PC1	F953N					200.0 Secs	[==>]	[1]
	5	(2) URANUS-RED	WFPC2, IMAGE, PC1	F547M					3.5 Secs	[==>]	[1]



Proposal 11156 - Visit 59 - Monitoring Active Atmospheres on Uranus and Neptune

Fri Jan 18 03:44:24 GMT 2008

Visit	Proposal 11156, Visit 59 Priority: L Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
(3)		NEPTUNE-SHORT	STD=NEPTUNE					EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]		[1]
	2		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]		[1]
	3		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F547M				14.0 Secs [==>]		[1]
	4		(3) NEPTUNE-SHO RT	WFPC2, IMAGE, PC1	F673N				120.0 Secs [==>]		[1]



Visit	Proposal 11156, Visit 60						
	Priority: L						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFPC2 Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-LONG	STD=NEPTUNE				EARTH

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, FQCH4N15	FQCH4N15 6193.0 A				300.0 Secs [==>]	[1]
2	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, PC1	F953N				400.0 Secs [==>]	[1]
3	(4) NEPTUNE-LONG	G	WFPC2, IMAGE, PC1	F467M				60.0 Secs [==>]	[1]

