



10545 - Icy planetoids of the outer solar system

Cycle: 14, Proposal Category: GO

(Availability Mode: AVAILABLE)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(2) 2002TC302	ACS/HRC	1	17-Mar-2006 23:30:41.0	yes
02	(3) QUAOAR	ACS/HRC	1	17-Mar-2006 23:30:45.0	yes
03	(4) 2002TX300	ACS/HRC	1	17-Mar-2006 23:30:47.0	yes
04	(5) 2002UX25	ACS/HRC	1	17-Mar-2006 23:30:49.0	yes
05	(6) 2002KX14	ACS/HRC	1	17-Mar-2006 23:30:51.0	yes
06	(7) 2002MS4	ACS/HRC	1	17-Mar-2006 23:30:53.0	yes
07	(8) 2003AZ84	ACS/HRC	1	17-Mar-2006 23:30:55.0	yes
08	(9) 2003QW90	ACS/HRC	1	17-Mar-2006 23:30:57.0	yes

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<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
09	(10) 2003VS2	ACS/HRC	1	17-Mar-2006 23:30:59.0	yes
10	(11) 2004GV9	ACS/HRC	1	17-Mar-2006 23:31:01.0	yes
11	(12) 2004DW	ACS/HRC	1	17-Mar-2006 23:31:03.0	yes
12	(13) 1996TO66	ACS/HRC	1	17-Mar-2006 23:31:05.0	yes
13	(14) 2002AW197	ACS/HRC	1	17-Mar-2006 23:31:07.0	yes
14	(16) IXION	ACS/HRC	1	17-Mar-2006 23:31:09.0	yes
15	(17) VARUNA	ACS/HRC	1	17-Mar-2006 23:31:11.0	yes
16	(18) 2001UR163	ACS/HRC	1	17-Mar-2006 23:31:13.0	yes
17	(19) OBJ-KBO30726D	ACS/HRC	1	17-Mar-2006 23:31:15.0	yes
18	(20) OBJ-KBO40804A	ACS/HRC	1	17-Mar-2006 23:31:17.0	yes
19	(21) OBJ-KBO41003B	ACS/HRC	1	17-Mar-2006 23:31:19.0	yes
20	(22) OBJ-KBO40506A	ACS/HRC	1	17-Mar-2006 23:31:21.0	yes
21	(23) 2003UB313	ACS/HRC	1	17-Mar-2006 23:31:23.0	yes
34	(16) IXION	ACS/HRC	1	17-Mar-2006 23:31:25.0	yes

22 Total Orbits Used

ABSTRACT

Early HST studies of satellites of Kuiper belt object focussed on the 50-200 km objects that were the largest known at the time. In the past 3 years we have discovered a population of much more rare and much larger (500-2000+ km) icy planetoids in the Kuiper belt. These objects are the largest and brightest known in the Kuiper belt and, in the era when we now know of more than 1000 Kuiper belt objects, these few planetoids are likely to be the focus of much of the research on physical properties of the outer solar system for years to come. We are currently engaged in an intensive program involving Spitzer, Keck, and other telescopes to study the physical and dynamical properties of this new population. HST is uniquely capable of

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addressing one parameter fundamental to completing the physical picture of these planetoids: the existence and size of any satellites. The detection and characterization of satellites to these large planetoids would allow us to address unique issues critical to the formation and evolution of the outer solar system, including the measurement of densities, internal properties, sizes and shapes of these objects, the study of binary formation as a function of primary size, and the context of the Pluto-Charon binary. For these bright objects, a satellite search takes less than a full orbit, allowing the opportunity for a new project on UV spectroscopy of the planetoids to piggyback at no added time cost. This poorly explored spectral range has the potential to show unique signatures of trapped gasses, cosmochemically important ices, and complex organic materials.

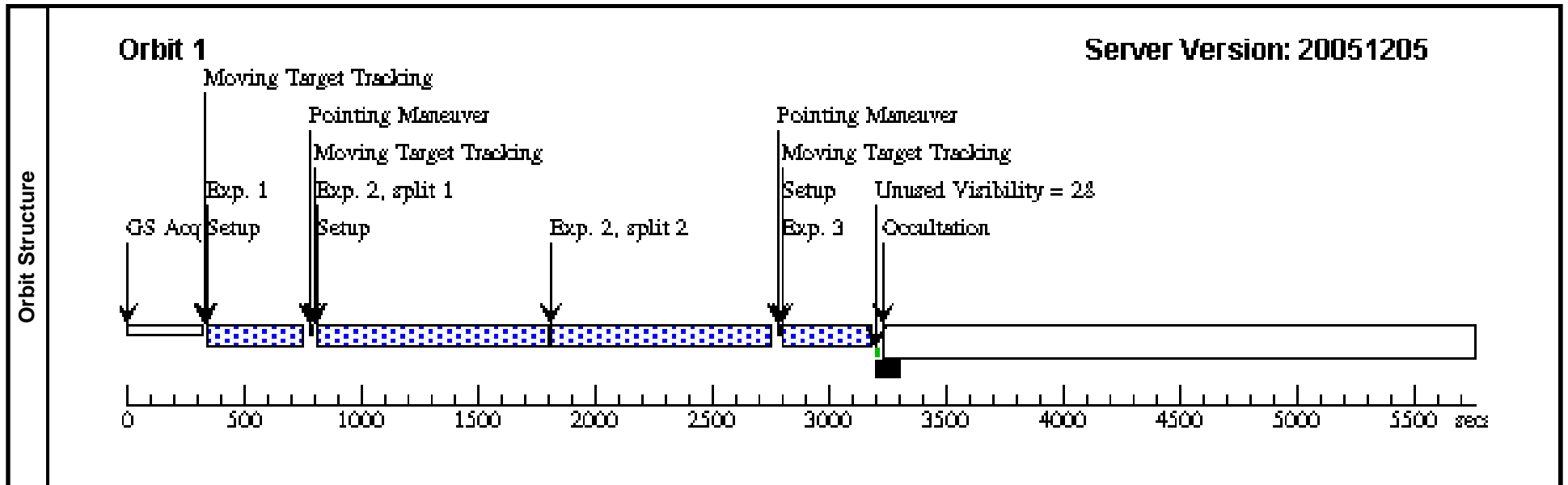
OBSERVING DESCRIPTION

Each target is to be observed for a single orbit consisting of 300 second HRC F606W observations at the beginning and end of the orbit and PR200L spectrum filling the time between the two images.

Proposal 10545 - Visit 01 - Icy planetoids of the outer solar system

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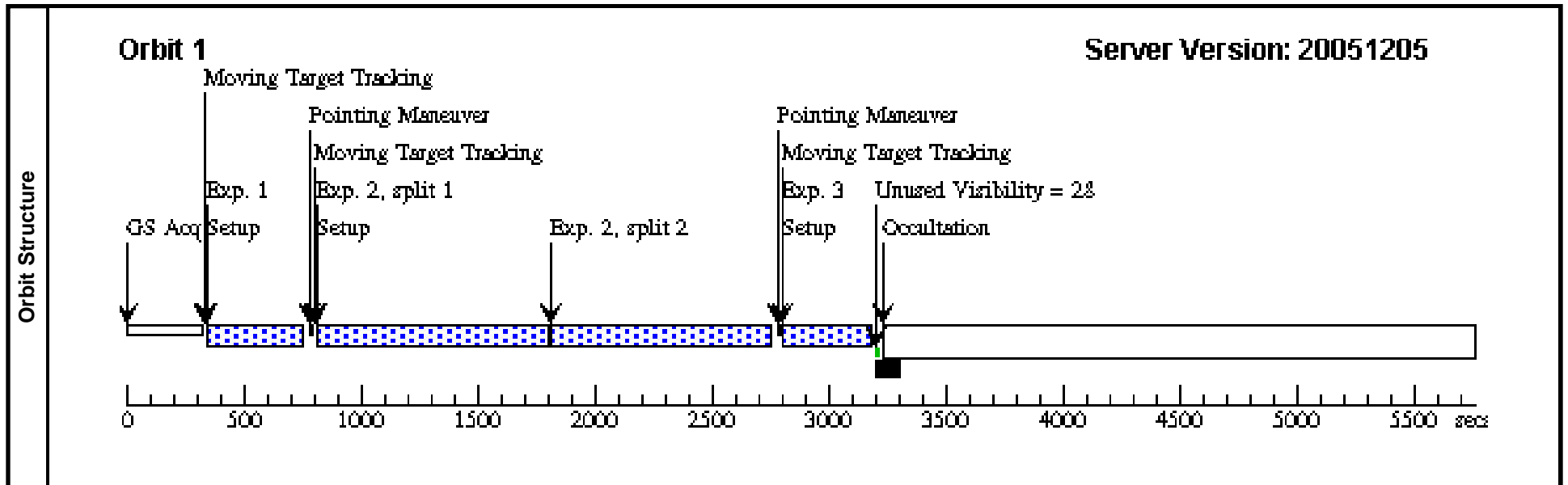
Visit	Proposal 10545, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(2)	2002TC302	TYPE=ASTEROID,A=55.2147173992204, E=0.29369913790926,I=35.10956931272, O=23.8754407770326,W=87.10899299693 29,M=311.908832995307,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) 2002TC302	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(2) 2002TC302	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
								[==>(Split 1)]	[1]	
								[==>(Split 2)]		
3		(2) 2002TC302	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
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Proposal 10545 - Visit 02 - Icy planetoids of the outer solar system

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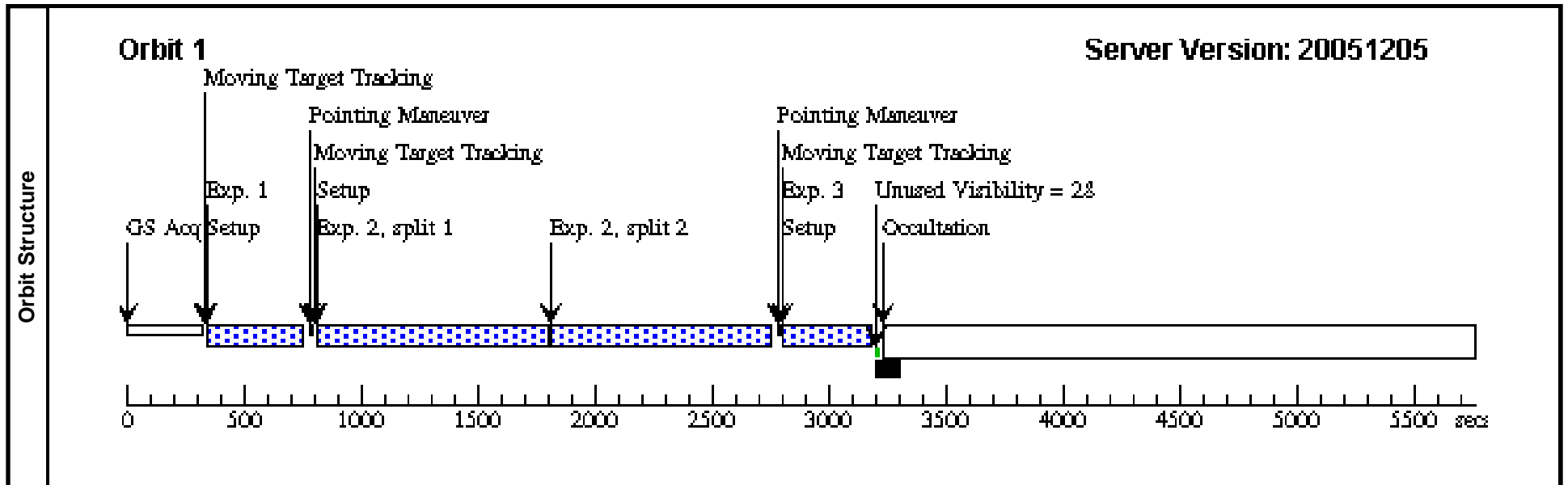
Visit	Proposal 10545, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(3)	QUAOAR	TYPE=ASTEROID,A=43.4408275963057, E=0.03445712479237,I=7.982676212425, O=188.782502441214,W=153.5133472013 61,M=275.435327437698,EQUINOX=J200 0,EPOCH=30-JAN-2005:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) QUAOAR	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(3) QUAOAR	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
								[==>(Split 1)]	[1]	
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3		(3) QUAOAR	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
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Proposal 10545 - Visit 03 - Icy planetoids of the outer solar system

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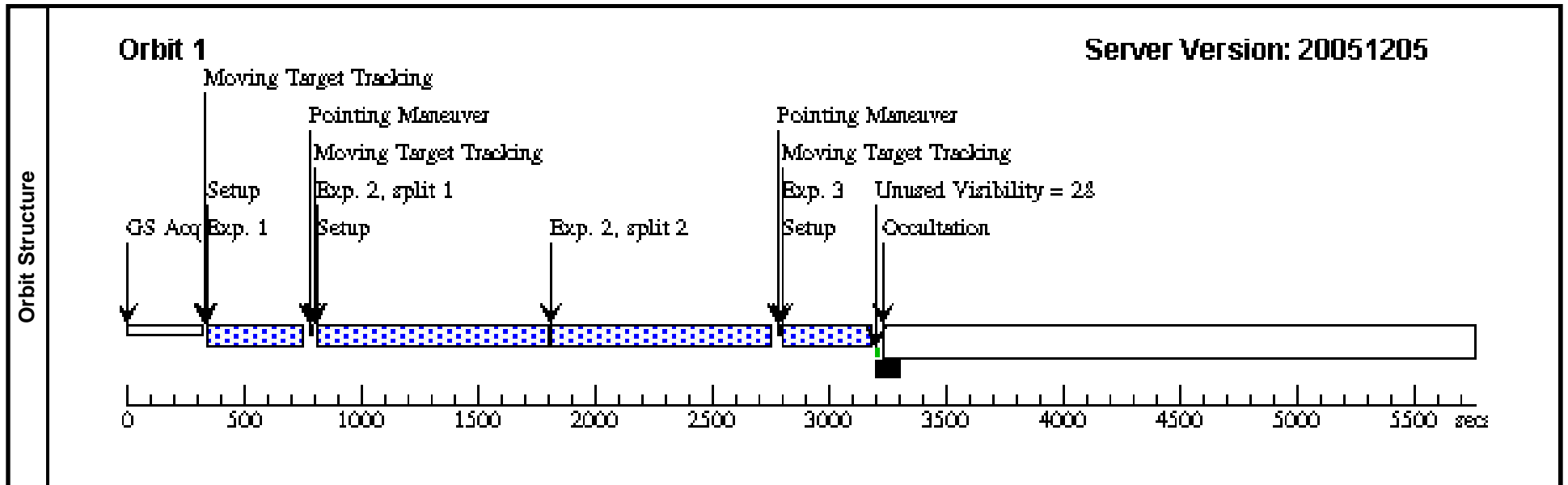
Visit	Proposal 10545, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(4)		2002TX300	TYPE=ASTEROID,A=43.1037132257101, E=0.12112510515342,I=25.8957684196,O =324.696178643767,W=339.08445909100 5,M=59.0610719005959,EQUINOX=J2000 ,EPOCH=14-JUL-2004:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) 2002TX300	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(4) 2002TX300	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3		(4) 2002TX300	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



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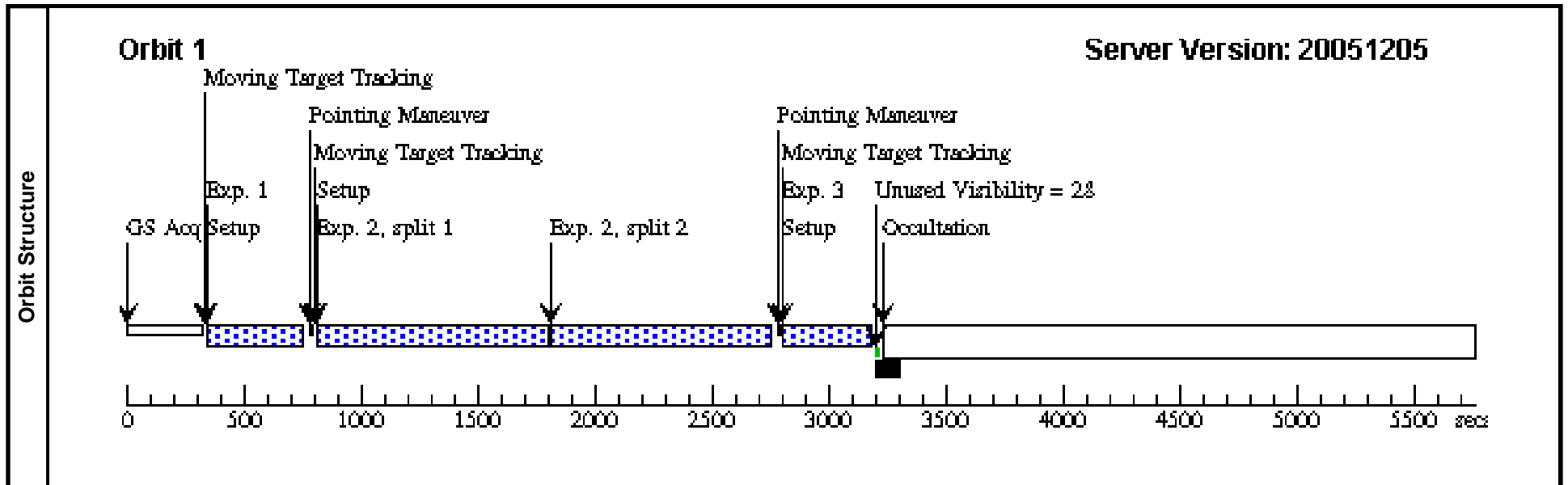
Visit	Proposal 10545, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(5)		2002UX25	TYPE=ASTEROID,A=42.5967851240568, E=0.14414057547525,I=19.47086522205, O=204.635667359431,W=278.2715099429 2,M=279.694110421451,EQUINOX=J2000 ,EPOCH=14-JUL-2004:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) 2002UX25	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(5) 2002UX25	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3		(5) 2002UX25	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
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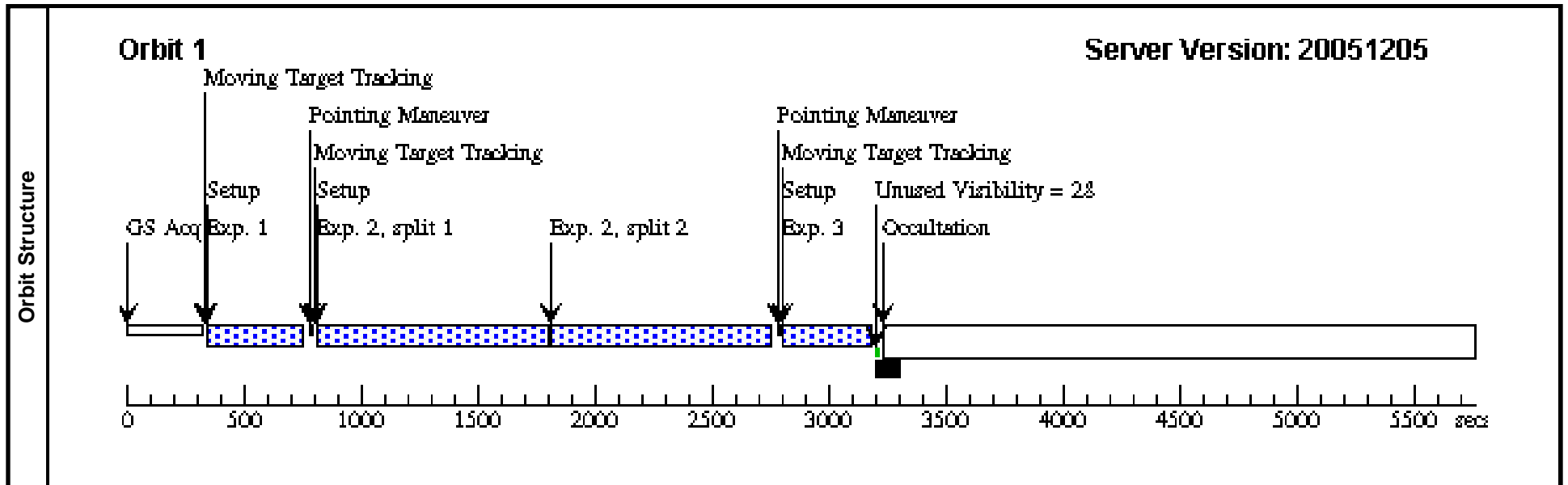
Visit	<p>Proposal 10545, Visit 05</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: ACS/HRC</p> <p>Special Requirements: (none)</p> <p><i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i></p>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(6)		2002KX14	TYPE=ASTEROID,A=38.8760480875192, E=0.04087343059958,I=0.405163598928, O=286.379951817734,W=73.12378137020 93,M=242.96635442726,EQUINOX=J2000 ,EPOCH=14-JUL-2004:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) 2002KX14	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(6) 2002KX14	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3		(6) 2002KX14	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
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Proposal 10545 - Visit 06 - Icy planetoids of the outer solar system

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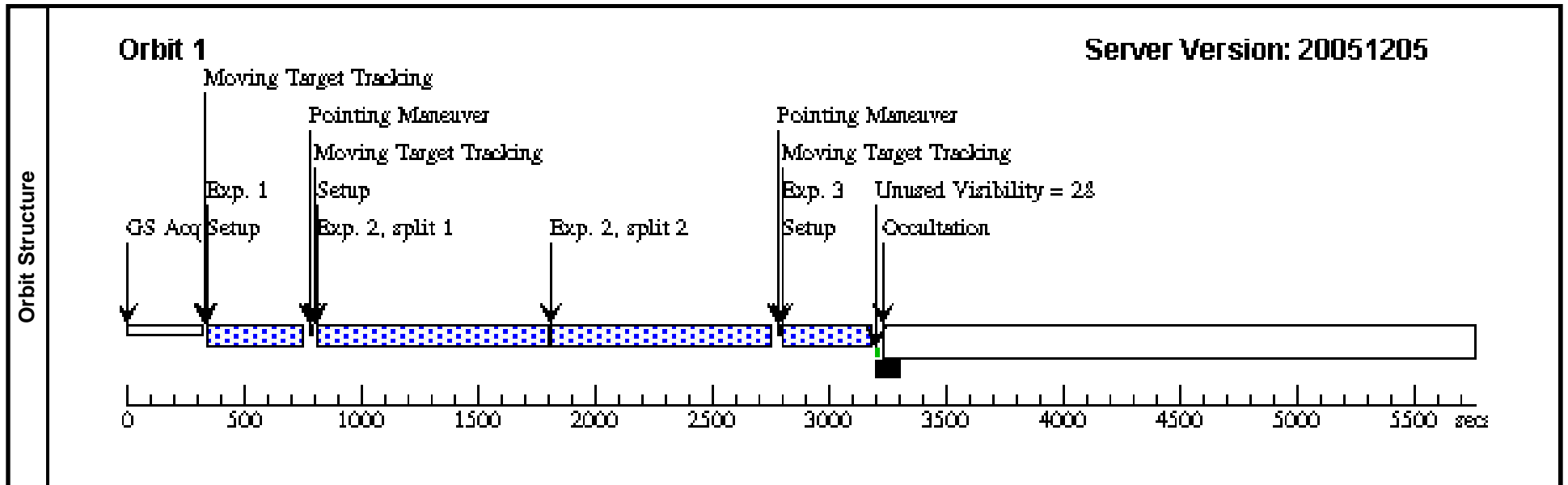
Visit	Proposal 10545, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(7)	2002MS4	TYPE=ASTEROID,A=41.7079001612292, E=0.14344075240112,I=17.68107186882, O=216.016730794228,W=217.7198362146 06,M=197.859272974232,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) 2002MS4	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(7) 2002MS4	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	[1]
3		(7) 2002MS4	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 07 - Icy planetoids of the outer solar system

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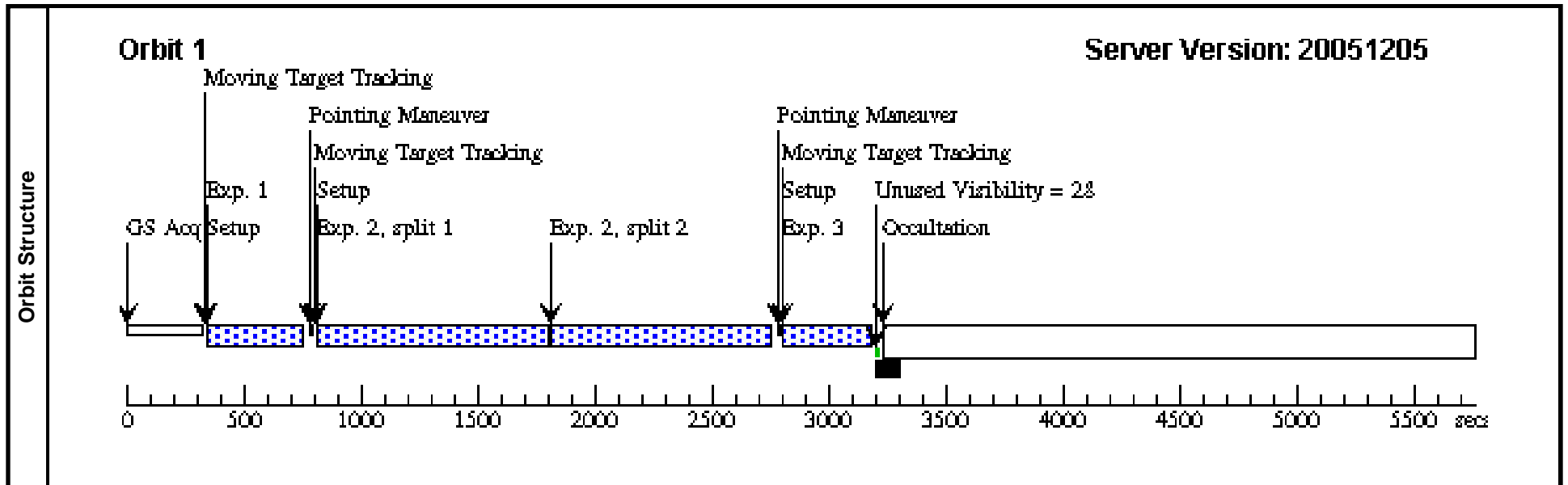
Visit	<p>Proposal 10545, Visit 07</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: ACS/HRC</p> <p>Special Requirements: (none)</p> <p><i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i></p>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(8)		2003AZ84	TYPE=ASTEROID,A=39.6383296891735, E=0.17566523576567,I=13.56404104427, O=252.035008935961,W=13.94510326375 76,M=212.542163622526,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) 2003AZ84	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(8) 2003AZ84	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
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									[==>(Split 2)]	
3		(8) 2003AZ84	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
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Proposal 10545 - Visit 08 - Icy planetoids of the outer solar system

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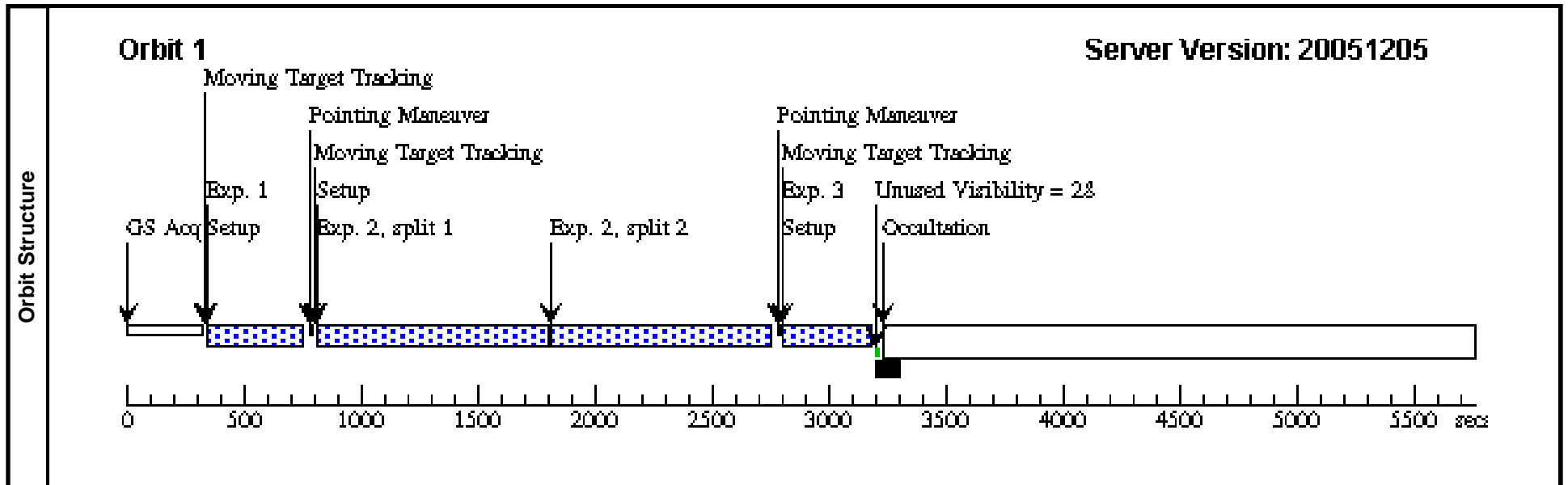
Visit	<p>Proposal 10545, Visit 08</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: ACS/HRC</p> <p>Special Requirements: (none)</p> <p><i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i></p>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(9)		2003QW90	TYPE=ASTEROID,A=43.4733599813833, E=0.07614660604193,I=10.35379033686, O=17.7843211980598,W=229.2827393249 08,M=103.203041892768,EQUINOX=J200 0,EPOCH=30-JUN-2003:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) 2003QW90	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(9) 2003QW90	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3		(9) 2003QW90	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
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Proposal 10545 - Visit 09 - Icy planetoids of the outer solar system

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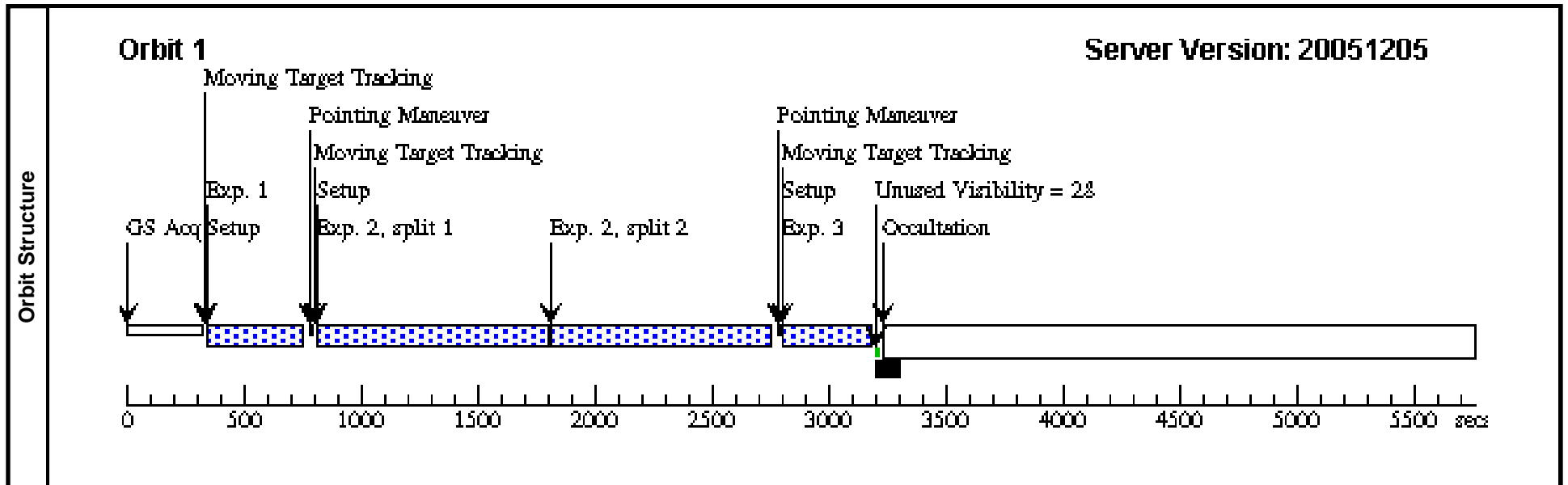
Visit	Proposal 10545, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(10)	2003VS2	TYPE=ASTEROID,A=39.4086171263186, E=0.07558406358597,I=14.77952207143, O=302.834013965439,W=114.1737722244 3,M=358.890063178207,EQUINOX=J2000 ,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) 2003VS2	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(10) 2003VS2	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	[1]
3		(10) 2003VS2	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 10 - Icy planetoids of the outer solar system

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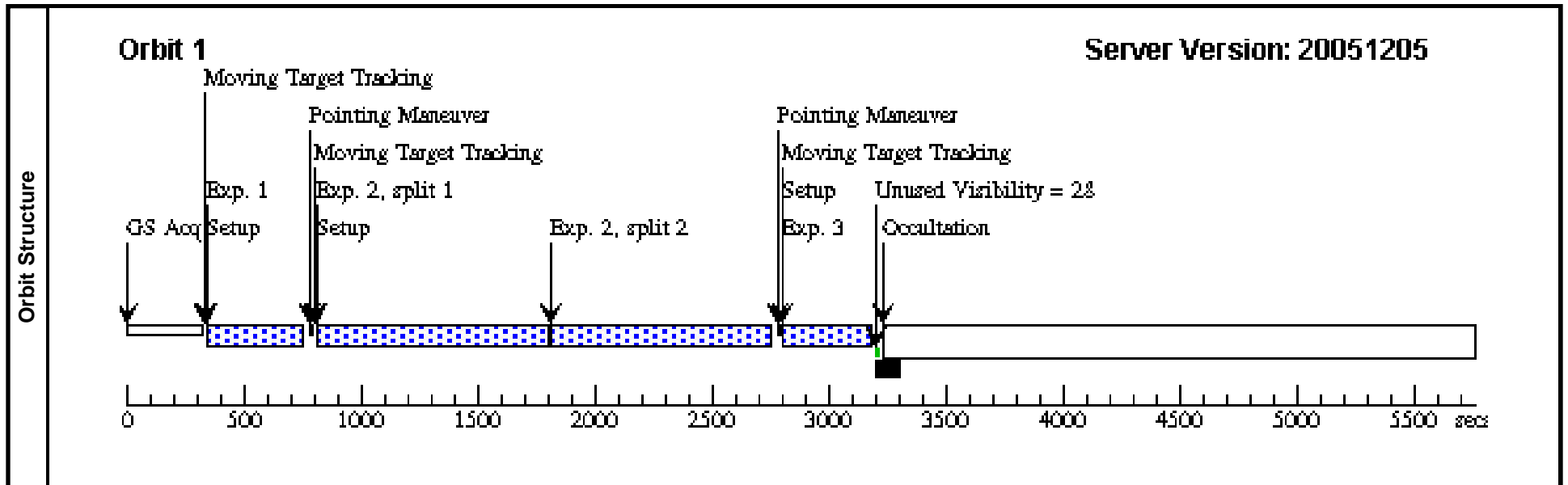
Visit	Proposal 10545, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>										
	Solar System Targets										
#	Name	Level 1	Level 2	Level 3	Window						
(11)	2004GV9	TYPE=ASTEROID,A=42.2060684659585, E=0.08252639089518,I=21.98090112445, O=250.601103543014,W=292.4292355927 61,M=20.1497450207783,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(11) 2004GV9	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
									[==>]		[1]
	2		(11) 2004GV9	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs		
									[==>(Split 1)]		[1]
									[==>(Split 2)]		
3		(11) 2004GV9	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs			
								[==>]		[1]	



Proposal 10545 - Visit 11 - Icy planetoids of the outer solar system

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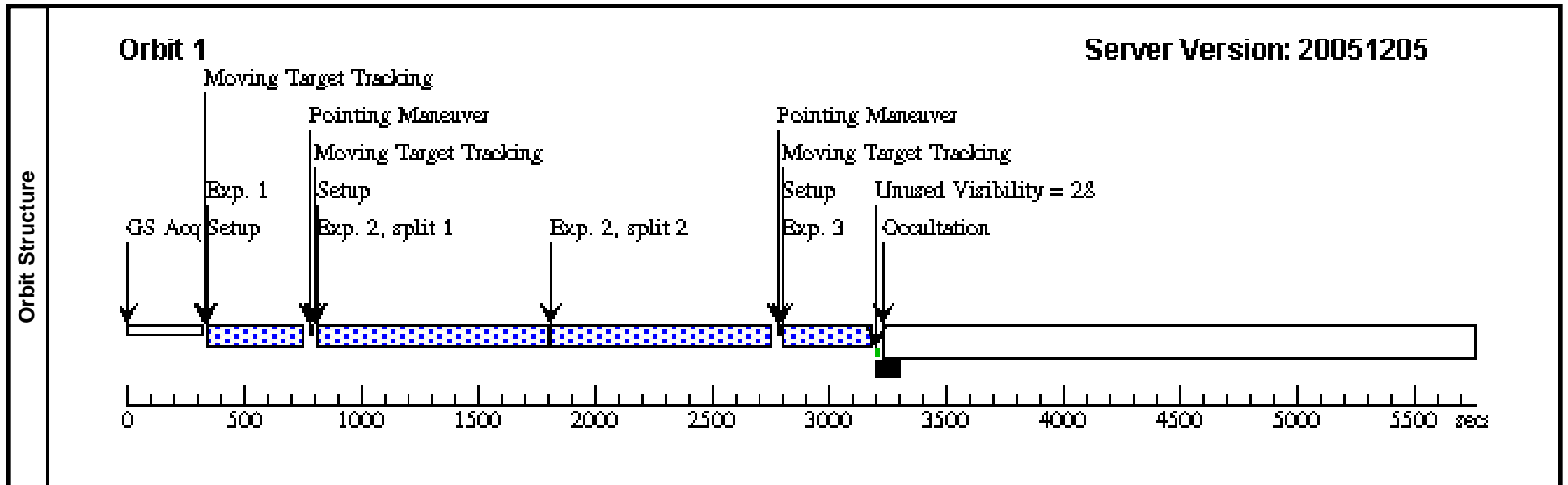
Visit	Proposal 10545, Visit 11 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(12)	2004DW	TYPE=ASTEROID,A=39.4739076468584, E=0.21790807268605,I=20.55528132688, O=268.537057602001,W=73.33450925776 39,M=157.537287566825,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) 2004DW	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(12) 2004DW	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
								[==>(Split 1)]	[1]	
								[==>(Split 2)]		
3		(12) 2004DW	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 12 - Icy planetoids of the outer solar system

Sat Mar 18 04:31:30 GMT 2006

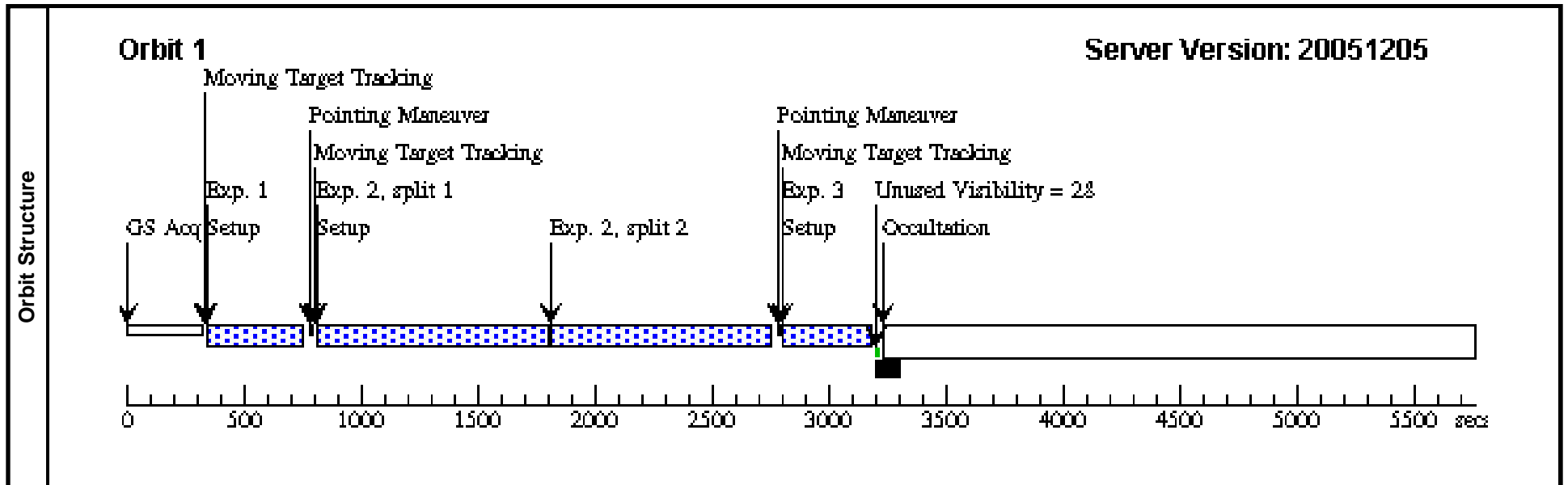
Visit	Proposal 10545, Visit 12 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window				
(13)		1996TO66	TYPE=ASTEROID,A=43.1459092336301, E=0.12034632822548,I=27.5029090011,O =355.259340397206,W=238.85039849716 3,M=122.859192868586,EQUINOX=J2000 ,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(13) 1996TO66	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
									[==>]		[1]
	2		(13) 1996TO66	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs		
									[==>(Split 1)]		[1]
									[==>(Split 2)]		[1]
3		(13) 1996TO66	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs			
								[==>]		[1]	



Proposal 10545 - Visit 13 - Icy planetoids of the outer solar system

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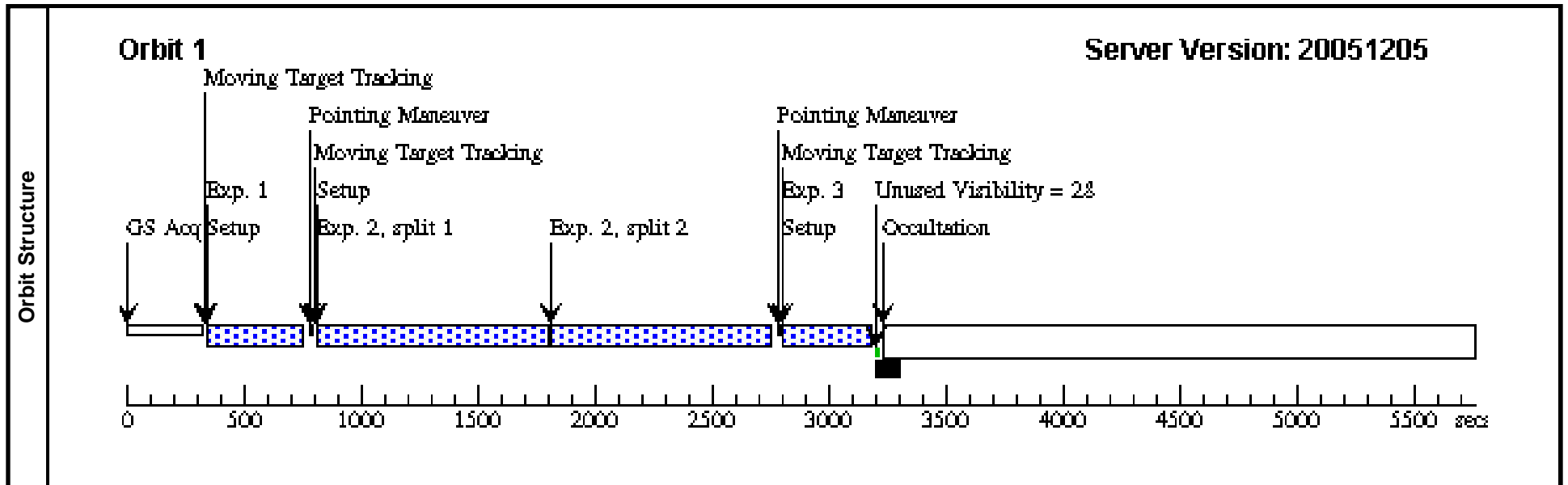
Visit	Proposal 10545, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(14)		2002AW197	TYPE=ASTEROID,A=47.5170294821771, E=0.13019025220004,I=24.33493559397, O=297.443984764651,W=293.1204470415 S,M=281.300776507957,EQUINOX=J2000 ,EPOCH=14-JUL-2004:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) 2002AW197	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(14) 2002AW197	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3		(14) 2002AW197	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 14 - Icy planetoids of the outer solar system

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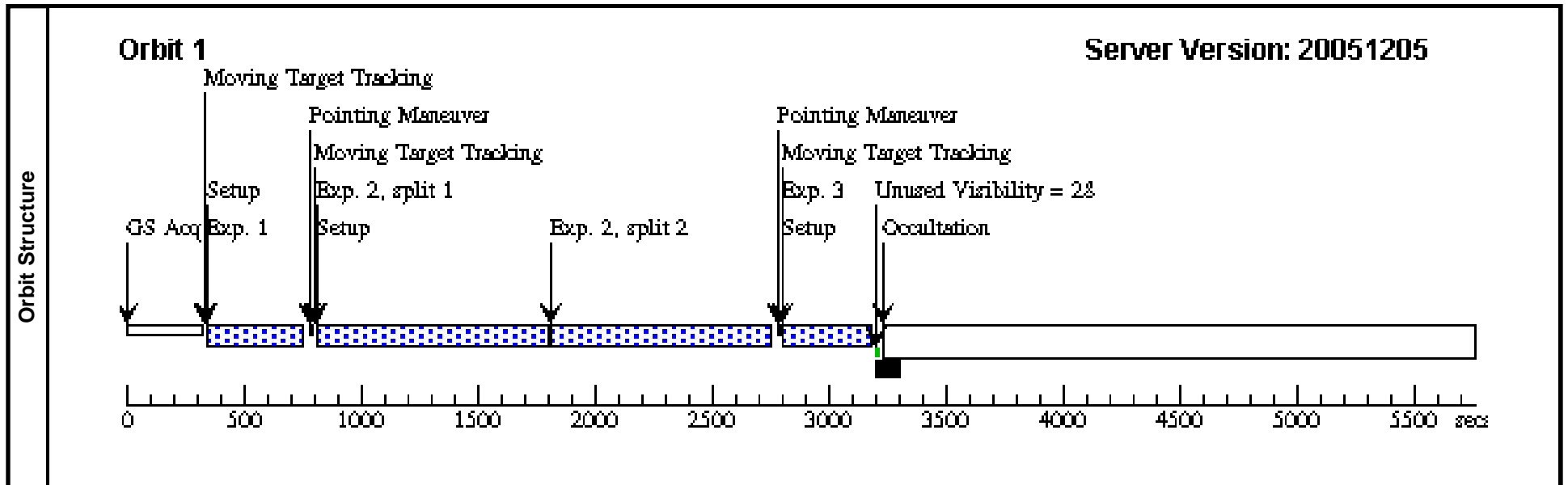
Visit	Proposal 10545, Visit 14 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window				
	(16)	IXION	TYPE=ASTEROID,A=39.4904007552313, E=0.24160732215842,I=19.62701435504, O=71.0254860545155,W=299.9225459940 05,M=263.627721591415,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(16) IXION	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
									[==>]	[1]	
	2		(16) IXION	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs		
									[==>(Split 1)]	[1]	
									[==>(Split 2)]	[1]	
3		(16) IXION	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs			
								[==>]	[1]		



Proposal 10545 - Visit 15 - Icy planetoids of the outer solar system

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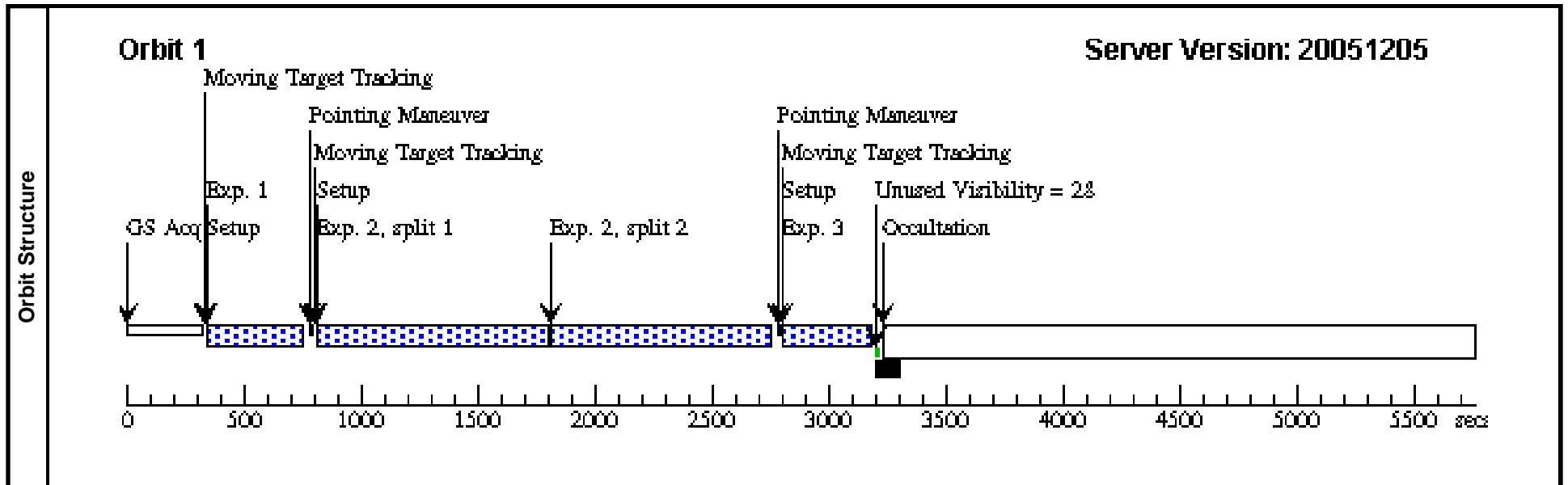
Visit	Proposal 10545, Visit 15 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window				
	(17)	VARUNA	TYPE=ASTEROID,A=43.1256518681738, E=0.05125004000642,I=17.15769355622, O=97.2956851994442,W=271.6428199072 88,M=89.6603178040181,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(17) VARUNA	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
									[==>]	[1]	
	2		(17) VARUNA	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs		
									[==>(Split 1)]	[1]	
									[==>(Split 2)]	[1]	
3		(17) VARUNA	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs			
								[==>]	[1]		



Proposal 10545 - Visit 16 - Icy planetoids of the outer solar system

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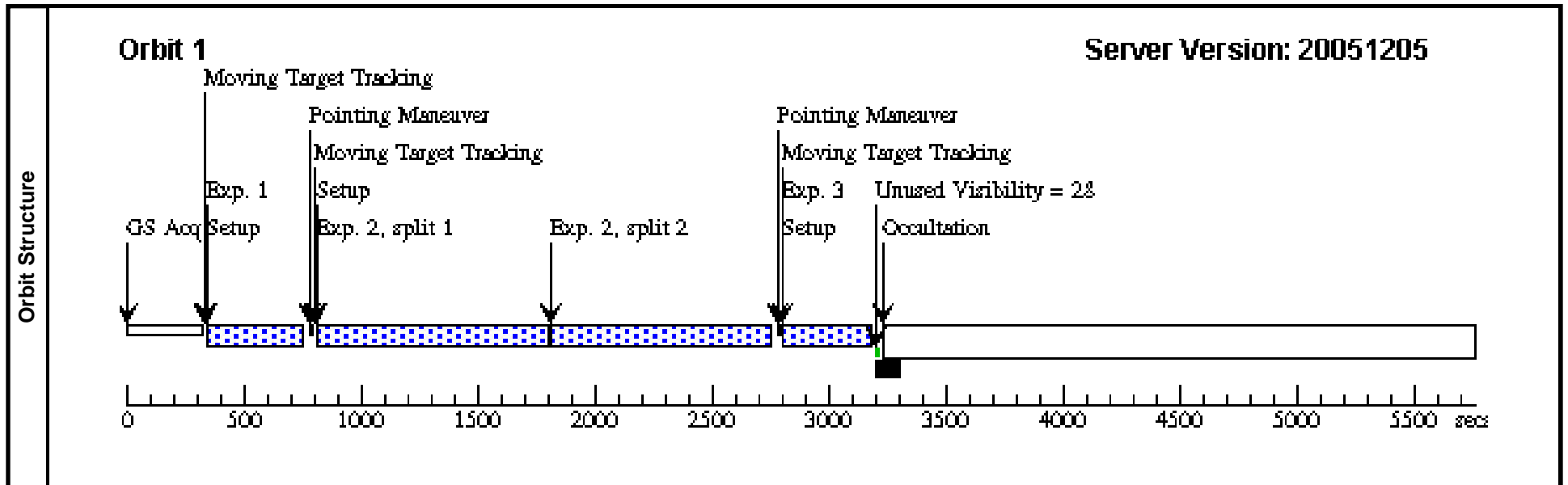
Visit	Proposal 10545, Visit 16 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(18)	2001UR163	TYPE=ASTEROID,A=51.3855956500418, E=0.28156862675332,I=0.753393748506, O=302.397244903752,W=342.1601556197 96,M=65.7554617235613,EQUINOX=J200 0,EPOCH=27-DEC-2003:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(18) 2001UR163	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(18) 2001UR163	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	[1]
3		(18) 2001UR163	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 17 - Icy planetoids of the outer solar system

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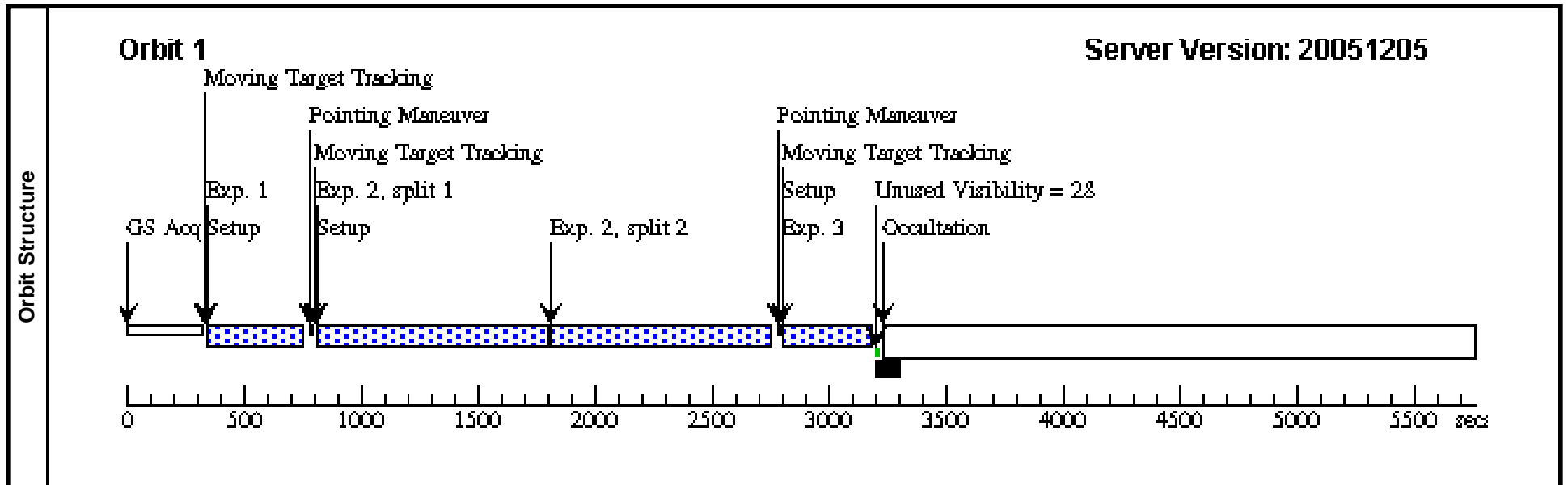
Visit	Proposal 10545, Visit 17 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(19)		OBJ-KBO30726D	TYPE=ASTEROID,A=42.9335379,E=0.10 33318,I=27.19438,O=182.93215,W=66.485 82,M=56.86803,EQUINOX=J2000,EPOC H=30-AUG-2003:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(19) OBJ-KBO30726D	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(19) OBJ-KBO30726D	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3		(19) OBJ-KBO30726D	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 18 - Icy planetoids of the outer solar system

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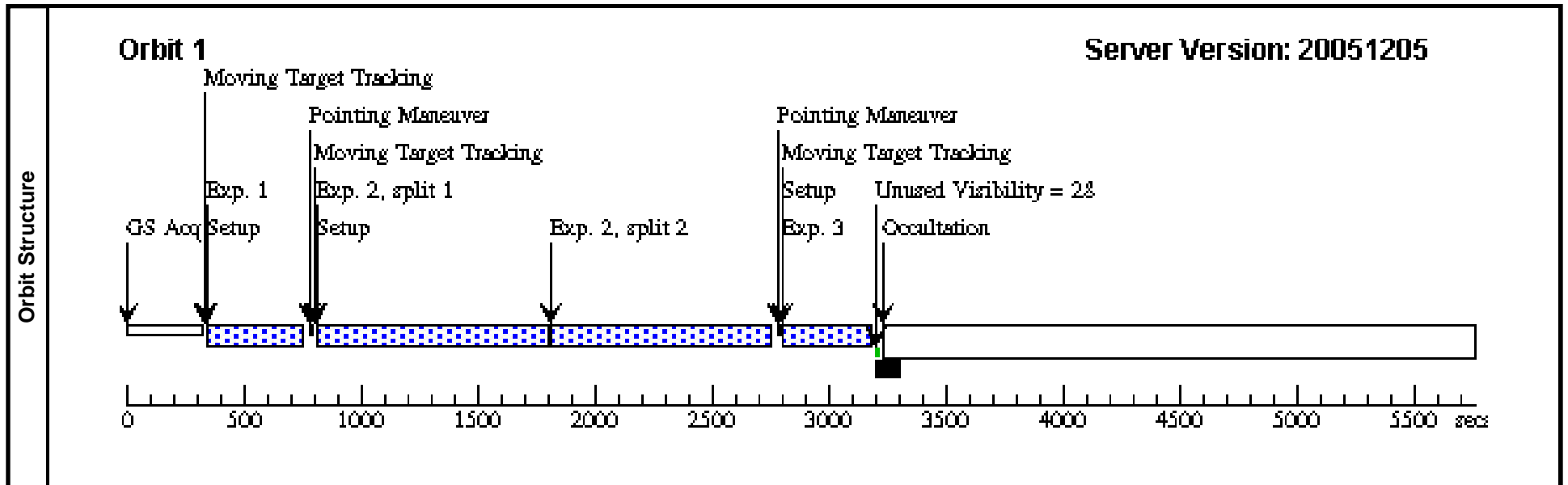
Visit	Proposal 10545, Visit 18 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(20)		OBJ-KBO40804A	TYPE=ASTEROID,A=45.5746738,E=0.14 55441,I=28.99955,O=79.30792,W=251.725 81,M=205.62673,EQUINOX=J2000,EPOC H=05-APR-2005:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(20) OBJ-KBO4080 4A	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(20) OBJ-KBO4080 4A	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	[1]
3		(20) OBJ-KBO4080 4A	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 19 - Icy planetoids of the outer solar system

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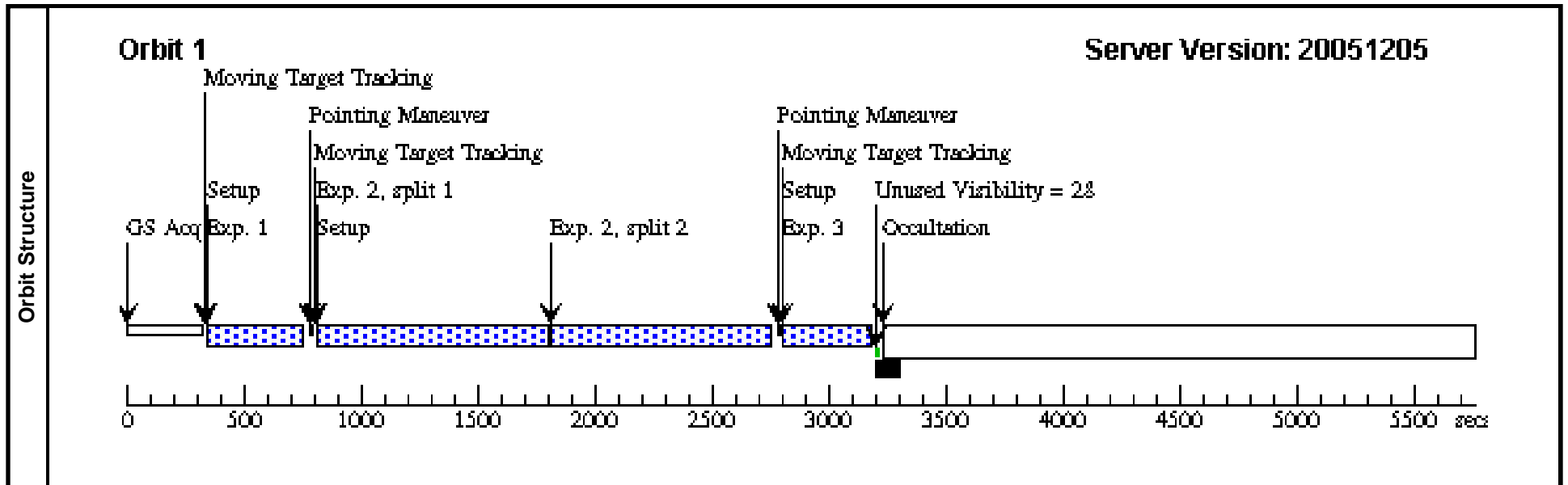
Visit	Proposal 10545, Visit 19 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(21)		OBJ-KBO41003B	TYPE=ASTEROID,A=38.5182805,E=0.03 68701,I=24.88806,O=140.71504,W=78.312 27,M=162.19576,EQUINOX=J2000,EPOC H=04-OCT-2004:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(21) OBJ-KBO41003B	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(21) OBJ-KBO41003B	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	[1]
3		(21) OBJ-KBO41003B	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 20 - Icy planetoids of the outer solar system

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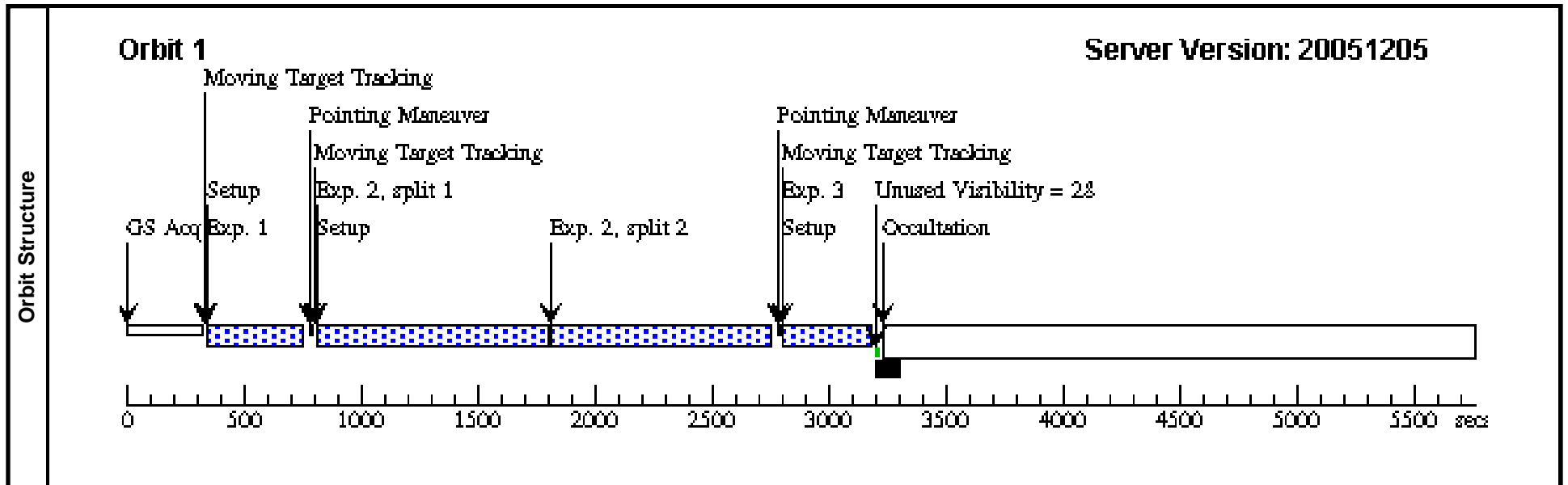
Visit	Proposal 10545, Visit 20 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(22)	OBJ-KBO40506A	TYPE=ASTEROID,A=43.333969,E=0.188 86,I=28.18032,O=121.8018,W=239.8962, M=196.0249,EQUINOX=J2000,EPOCH=0 6-MAY-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) OBJ-KBO40506A	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(22) OBJ-KBO40506A	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	[1]
3		(22) OBJ-KBO40506A	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 21 - Icy planetoids of the outer solar system

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Visit	Proposal 10545, Visit 21 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
(23)		2003UB313	TYPE=ASTEROID,A=67.4138382,E=0.44 02463,I=43.95755,O=35.9989,W=153.8629 9,M=190.26413,EQUINOX=J2000,EPOC H=21-OCT-2003:00:00:00							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(23) 2003UB313	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs	
									[==>]	[1]
	2		(23) 2003UB313	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO			1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3		(23) 2003UB313	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO			300.0 Secs		
								[==>]	[1]	



Proposal 10545 - Visit 34 - Icy planetoids of the outer solar system

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Visit	Proposal 10545, Visit 34 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) <i>Comments: Intent is to point to target, take a 300 second F606W image, switch to PR200L spectroscopy for ~1800 seconds, and then take another 300 second F606W at the end of the orbit. The image exposure times are fixed. The spectroscopic exposure time can be adjusted to fill the orbit.</i>									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window					
(16)	IXION	TYPE=ASTEROID,A=39.4904007552313, E=0.24160732215842,I=19.62701435504, O=71.0254860545155,W=299.9225459940 05,M=263.627721591415,EQUINOX=J200 0,EPOCH=14-JUL-2004:00:00:00								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(16) IXION	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO				300.0 Secs	
									[==>]	[1]
	2	(16) IXION	ACS/HRC, ACCUM, HRC	PR200L	CR-SPLIT=2; AUTOIMAGE=NO				1818.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
3	(16) IXION	ACS/HRC, ACCUM, HRC	F606W	CR-SPLIT=NO				300.0 Secs		
								[==>]	[1]	

