



12468 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Cycle: 19, 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) 05TN53	WFC3/UVIS	1	29-Apr-2013 21:02:21.0	yes
02	(2) 79969	WFC3/UVIS	1	29-Apr-2013 21:02:27.0	yes
03	(3) 131697	WFC3/UVIS	1	29-Apr-2013 21:02:32.0	yes
04	(4) 02GW32	WFC3/UVIS	1	29-Apr-2013 21:02:37.0	yes
05	(5) 05SC278	WFC3/UVIS	1	29-Apr-2013 21:02:48.0	yes
06	(6) 02FW6	WFC3/UVIS	1	29-Apr-2013 21:02:52.0	yes
07	(7) 15836	WFC3/UVIS	1	29-Apr-2013 21:02:57.0	yes
08	(8) 04HM79	WFC3/UVIS	1	29-Apr-2013 21:03:02.0	yes
09	(9) 05CF81	WFC3/UVIS	1	29-Apr-2013 21:03:06.0	yes
10	(10) 07TH422	WFC3/UVIS	1	29-Apr-2013 21:03:10.0	yes

Proposal 12468 (STScI Edit Number: 1, Created: Monday, April 29, 2013 8:08:20 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
11	(11) 04HA79	WFC3/UVIS	1	29-Apr-2013 21:03:14.0	yes
12	(12) 06HJ123	WFC3/UVIS	1	29-Apr-2013 21:03:17.0	yes
13	(13) 10HE79	WFC3/UVIS	1	29-Apr-2013 21:03:20.0	yes
14	(14) 04VY130	WFC3/UVIS	1	29-Apr-2013 21:03:24.0	yes
15	(15) 05GE187	WFC3/UVIS	1	29-Apr-2013 21:03:28.0	yes
16	(16) 38628	WFC3/UVIS	1	29-Apr-2013 21:03:32.0	yes
17	(17) 01VN71	WFC3/UVIS	1	29-Apr-2013 21:03:37.0	yes
18	(18) 04KB19	WFC3/UVIS	1	29-Apr-2013 21:03:42.0	yes
19	(19) 07RT15	WFC3/UVIS	1	29-Apr-2013 21:03:46.0	yes
20	(20) 06UZ184	WFC3/UVIS	1	29-Apr-2013 21:03:50.0	yes
21	(21) 01KB77	WFC3/UVIS	1	29-Apr-2013 21:03:55.0	yes
22	(22) 08SO266	WFC3/UVIS	1	29-Apr-2013 21:04:00.0	yes
23	(23) 00FB8	WFC3/UVIS	1	29-Apr-2013 21:04:03.0	yes
24	(24) 04FU148	WFC3/UVIS	1	29-Apr-2013 21:04:07.0	yes
25	(25) 02GE32	WFC3/UVIS	1	29-Apr-2013 21:04:10.0	yes
26	(26) 00CK105	WFC3/UVIS	1	29-Apr-2013 21:04:13.0	yes
27	(27) 04VZ130	WFC3/UVIS	1	29-Apr-2013 21:04:17.0	yes
28	(28) 07JF43	WFC3/UVIS	1	29-Apr-2013 21:04:20.0	yes
29	(29) 04VV130	WFC3/UVIS	1	29-Apr-2013 21:04:23.0	yes
30	(30) 05VA123	WFC3/UVIS	1	29-Apr-2013 21:04:27.0	yes
31	(31) 95HM5	WFC3/UVIS	1	29-Apr-2013 21:04:31.0	yes
32	(32) 133067	WFC3/UVIS	1	29-Apr-2013 21:04:34.0	yes
33	(33) 168700	WFC3/UVIS	1	29-Apr-2013 21:04:37.0	yes
34	(34) 99CM158	WFC3/UVIS	1	29-Apr-2013 21:04:42.0	yes
35	(35) 04VX130	WFC3/UVIS	1	29-Apr-2013 21:04:45.0	yes

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<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>
36	(36) 04HY78	WFC3/UVIS	1	29-Apr-2013 21:04:48.0	yes
37	(37) 04KC19	WFC3/UVIS	1	29-Apr-2013 21:04:53.0	yes
38	(38) 33340	WFC3/UVIS	1	29-Apr-2013 21:04:57.0	yes
39	(39) 03HF57	WFC3/UVIS	1	29-Apr-2013 21:05:02.0	yes
40	(40) 04EV95	WFC3/UVIS	1	29-Apr-2013 21:05:05.0	yes
41	(41) 01KQ77	WFC3/UVIS	1	29-Apr-2013 21:05:09.0	yes
42	(42) 129746	WFC3/UVIS	1	29-Apr-2013 21:05:13.0	yes
43	(43) 05EZ300	WFC3/UVIS	1	29-Apr-2013 21:05:16.0	yes
44	(44) 03QB91	WFC3/UVIS	1	29-Apr-2013 21:05:19.0	yes
45	(45) 04HX78	WFC3/UVIS	1	29-Apr-2013 21:05:22.0	yes
46	(46) 05CD81	WFC3/UVIS	1	29-Apr-2013 21:05:25.0	yes
47	(47) 15789	WFC3/UVIS	1	29-Apr-2013 21:05:28.0	yes
48	(48) 96RR20	WFC3/UVIS	1	29-Apr-2013 21:05:32.0	yes
49	(49) 169071	WFC3/UVIS	1	29-Apr-2013 21:05:36.0	yes
50	(50) 05GV210	WFC3/UVIS	1	29-Apr-2013 21:05:40.0	yes
51	(51) 03QX111	WFC3/UVIS	1	29-Apr-2013 21:05:44.0	yes
52	(52) 04HZ78	WFC3/UVIS	1	29-Apr-2013 21:05:47.0	yes
53	(53) 02VD138	WFC3/UVIS	1	29-Apr-2013 21:05:50.0	yes
54	(54) 03QH91	WFC3/UVIS	1	29-Apr-2013 21:05:54.0	yes
55	(55) 01XD255	WFC3/UVIS	1	29-Apr-2013 21:05:59.0	yes
56	(56) 10EL139	WFC3/UVIS	1	29-Apr-2013 21:06:02.0	yes
57	(57) 01KD77	WFC3/UVIS	1	29-Apr-2013 21:06:06.0	yes
58	(58) 143751	WFC3/UVIS	1	29-Apr-2013 21:06:09.0	yes
59	(59) 15809	WFC3/UVIS	1	29-Apr-2013 21:06:12.0	yes
60	(60) 99CX131	WFC3/UVIS	1	29-Apr-2013 21:06:15.0	yes

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<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>
61	(61) 149349	WFC3/UVIS	1	29-Apr-2013 21:06:19.0	yes
62	(62) 00PL30	WFC3/UVIS	1	29-Apr-2013 21:06:23.0	yes
63	(63) 08CS190	WFC3/UVIS	1	29-Apr-2013 21:06:28.0	yes
64	(64) 02VV130	WFC3/UVIS	1	29-Apr-2013 21:06:31.0	yes
65	(65) 02GS32	WFC3/UVIS	1	29-Apr-2013 21:06:35.0	yes
66	(66) 05SE278	WFC3/UVIS	1	29-Apr-2013 21:06:38.0	yes
67	(67) 118378	WFC3/UVIS	1	29-Apr-2013 21:06:41.0	yes
68	(68) 181871	WFC3/UVIS	1	29-Apr-2013 21:06:45.0	yes
69	(69) 119066	WFC3/UVIS	1	29-Apr-2013 21:06:48.0	yes
70	(70) 05SF278	WFC3/UVIS	1	29-Apr-2013 21:06:51.0	yes
71	(71) 135024	WFC3/UVIS	1	29-Apr-2013 21:06:55.0	yes
72	(72) 99KR18	WFC3/UVIS	1	29-Apr-2013 21:06:59.0	yes
73	(73) 119070	WFC3/UVIS	1	29-Apr-2013 21:07:02.0	yes
74	(74) 135742	WFC3/UVIS	1	29-Apr-2013 21:07:06.0	yes
75	(75) 99HG12	WFC3/UVIS	1	29-Apr-2013 21:07:10.0	yes
76	(76) 05JJ186	WFC3/UVIS	1	29-Apr-2013 21:07:13.0	yes
77	(77) 10LQ68	WFC3/UVIS	1	29-Apr-2013 21:07:17.0	yes
78	(78) 20161	WFC3/UVIS	1	29-Apr-2013 21:07:20.0	yes
79	(79) 99RB215	WFC3/UVIS	1	29-Apr-2013 21:07:23.0	yes
80	(80) 10EP65	WFC3/UVIS	1	29-Apr-2013 21:07:27.0	yes
81	(81) 08CT190	WFC3/UVIS	1	29-Apr-2013 21:07:31.0	yes
82	(82) 04TT357	WFC3/UVIS	1	29-Apr-2013 21:07:36.0	yes
83	(83) 10FD49	WFC3/UVIS	1	29-Apr-2013 21:07:39.0	yes
84	(84) 00SR331	WFC3/UVIS	1	29-Apr-2013 21:07:43.0	yes
85	(85) 04EG96	WFC3/UVIS	1	29-Apr-2013 21:07:46.0	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>
86	(86) 143707	WFC3/UVIS	1	29-Apr-2013 21:07:49.0	yes
87	(87) 119068	WFC3/UVIS	1	29-Apr-2013 21:07:53.0	yes
88	(88) 69988	WFC3/UVIS	1	29-Apr-2013 21:07:56.0	yes
89	(89) 06QJ181	WFC3/UVIS	1	29-Apr-2013 21:07:59.0	yes
90	(90) 10EK139	WFC3/UVIS	1	29-Apr-2013 21:08:03.0	yes
91	(91) 09KN30	WFC3/UVIS	1	29-Apr-2013 21:08:06.0	yes

91 Total Orbits Used

ABSTRACT

"Cold Classical" transneptunian objects share a unique set of physical properties that were acquired in their nascent environment in the protoplanetary disk. These objects are red, have high albedos, and a high fraction (>30%) are binaries with nearly equal mass components. They appear to be a relatively undisturbed remnant of the original protoplanetary disk and are concentrated in non-resonant, low inclination orbits between the 3:2 and 2:1 resonances at 39.4 and 47.7 AU. As Neptune migrated outwards in the first several hundred million years of the solar system, its mean-motion resonances moved through and were able to capture some of these objects. Identifying Cold Classicals trapped in resonances will allow us to discriminate between the two leading models for Neptune's migration. Smooth migration will result in measurable differences between resonances, fast migration (including transport by planetary scattering) will not. To accomplish this we are proposing to survey all Resonant transneptunian objects that have not yet been observed with HST to search for the distinctive physical markers of captured Cold Classicals. We will significantly increase the number of objects observed for binary companions and the number with measured colors. The database of observations derived from this survey will provide significant added value to the HST archive.

OBSERVING DESCRIPTION

Each visit is a sequence of two exposures in F606W and F814W in order V, I, I, V. The second two are offset with POS TARGs.

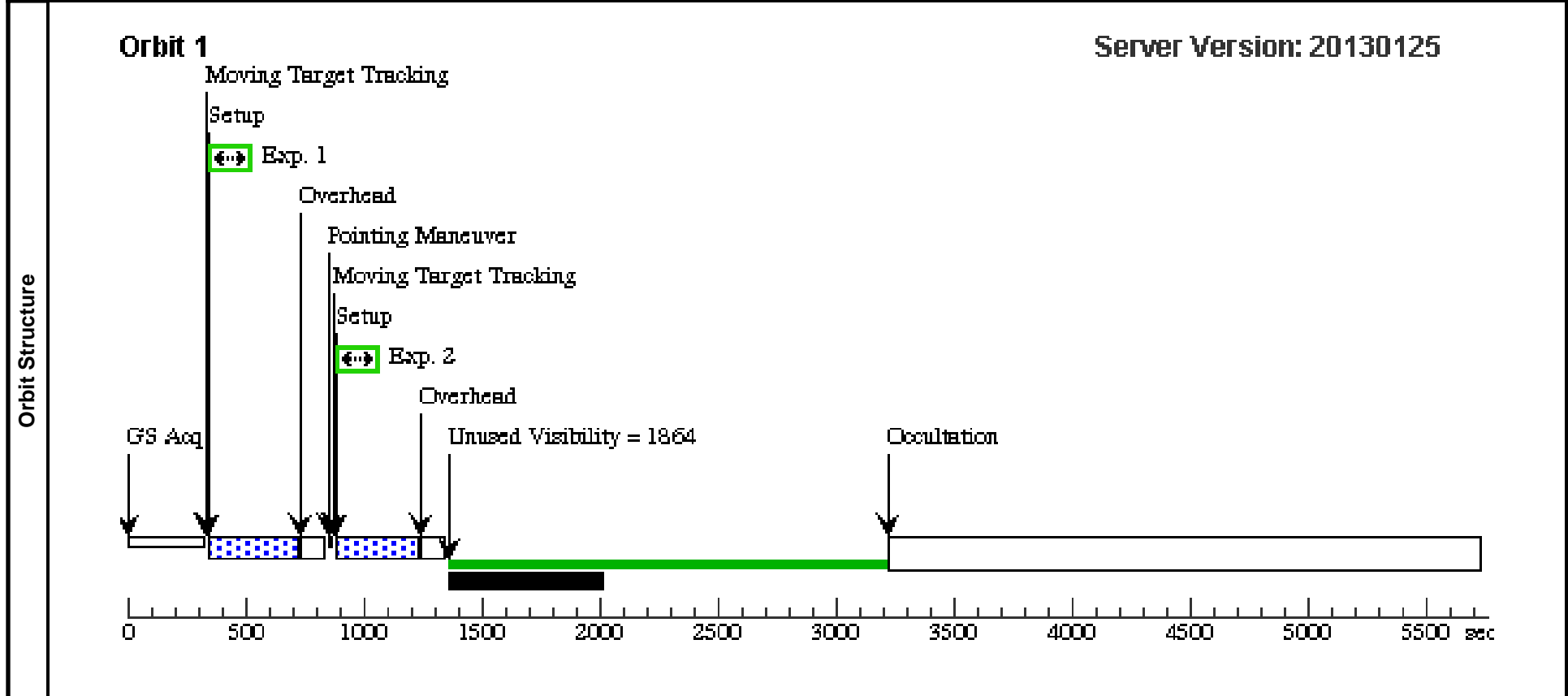
Proposal 12468 - Visit 01 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:22 GMT 2013

Visit	Proposal 12468, Visit 01, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	05TN53	TYPE=ASTEROID,A=30.2702675410 00,E=0.068747049507,I=24.97202373 8000,O=9.277407336500,W=84.42149 5729000,M=296.440146160000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05TN53 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.7 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) 05TN53		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(1) 05TN53		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



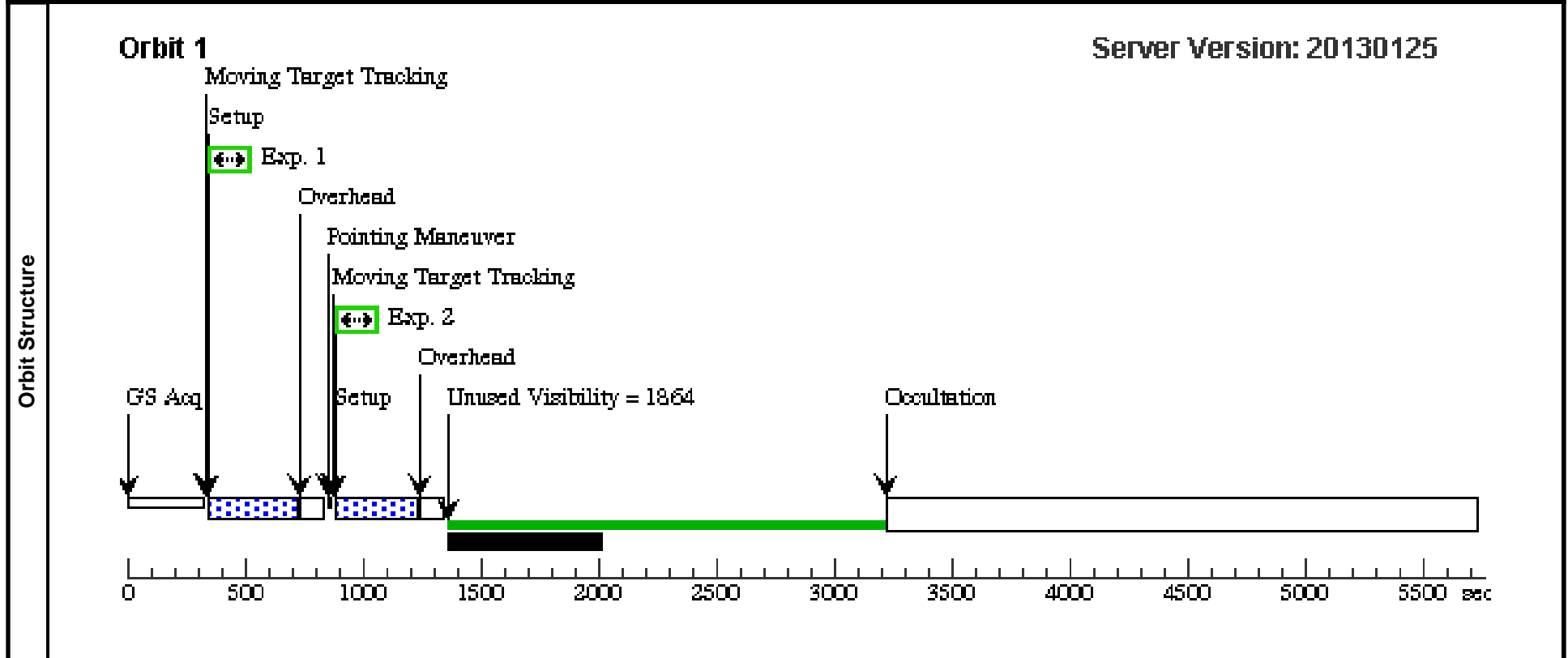
Proposal 12468 - Visit 02 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:23 GMT 2013

Visit	Proposal 12468, Visit 02, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	79969		TYPE=ASTEROID,A=34.8563979530 00,E=0.083863632969,I=3.176510437 400,O=334.227723150000,W=155.898 223190000,M=46.433283726000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 79969 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.8 Arcsec</i>							

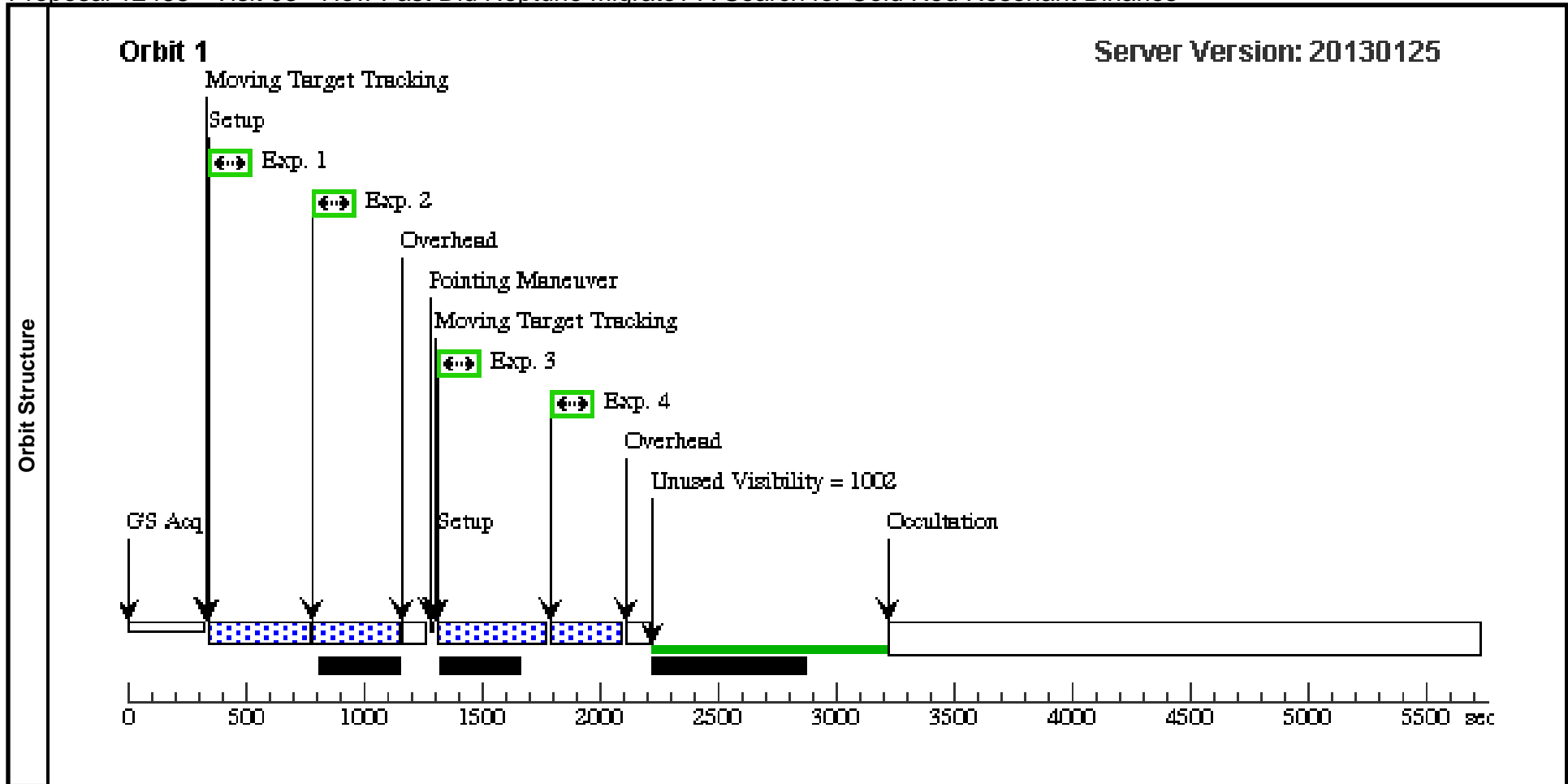
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) 79969		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(2) 79969		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



Proposal 12468 - Visit 03 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:24 GMT 2013

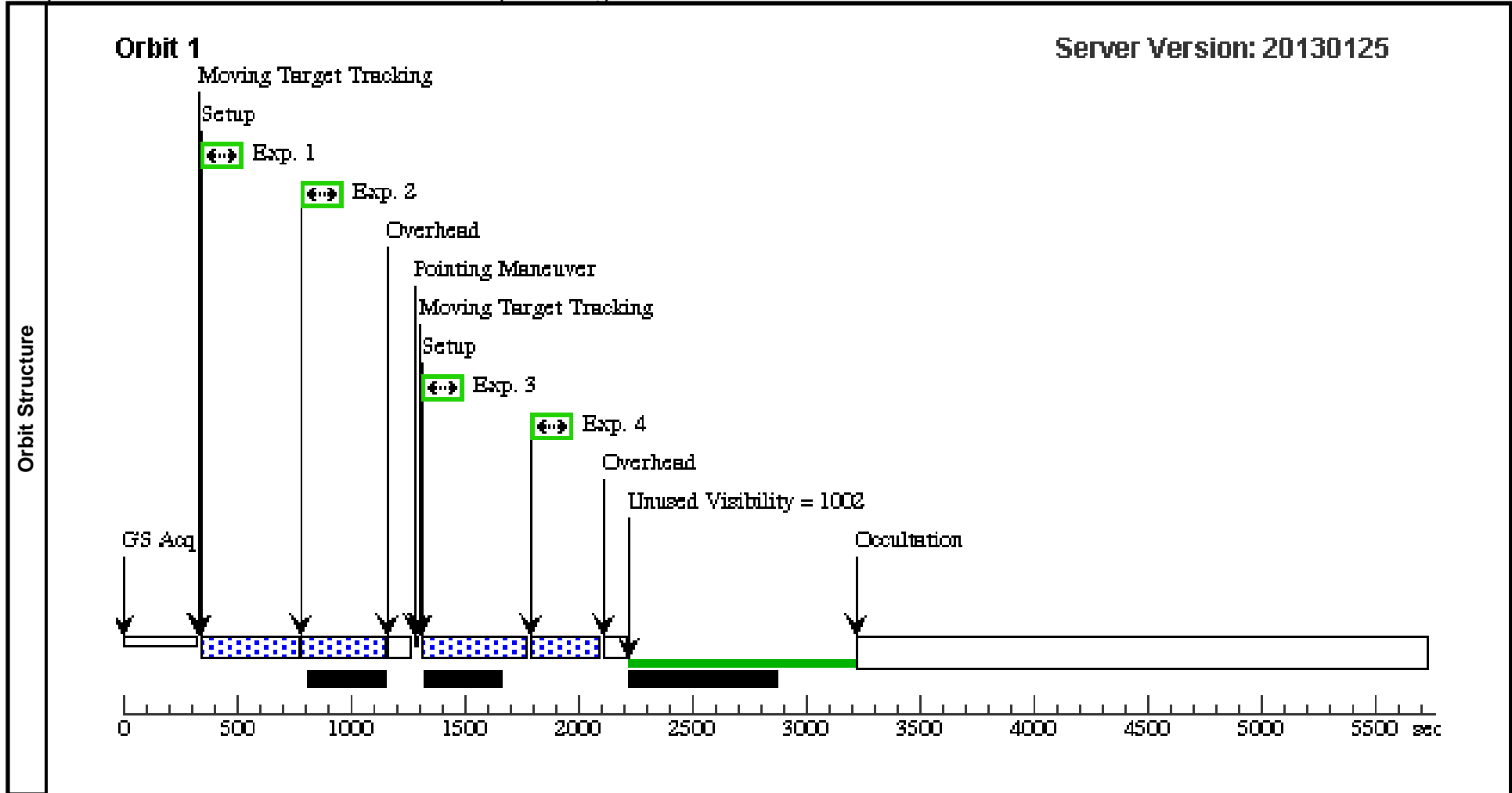
Visit	Proposal 12468, Visit 03, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem	Center	
	(3)	131697	TYPE=ASTEROID,A=35.0296349060 00,E=0.074887905575,I=2.853704750 800,O=323.154528230000,W=217.263 064580000,M=312.536018900000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 131697 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 1.4 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) 131697	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(3) 131697	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(3) 131697	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(3) 131697	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



Proposal 12468 - Visit 04 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:25 GMT 2013

Visit	Proposal 12468, Visit 04, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(4)	02GW32	TYPE=ASTEROID,A=34.9051370900 00,E=0.077459823825,I=6.366972136 500,O=276.666827330000,W=122.790 516650000,M=202.832814020000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 02GW32 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 2.4 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) 02GW32	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(4) 02GW32	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(4) 02GW32	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(4) 02GW32	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



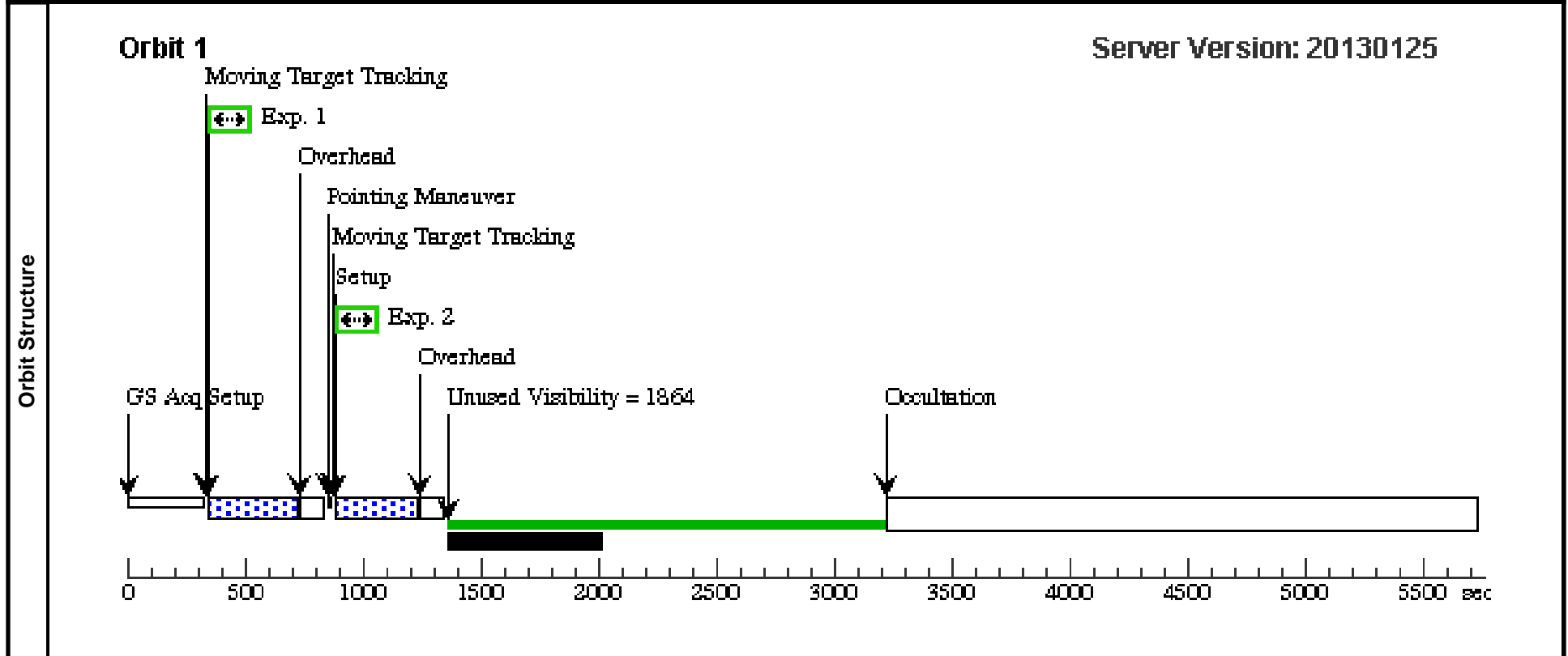
Proposal 12468 - Visit 05 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:26 GMT 2013

Visit	Proposal 12468, Visit 05, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(5)	05SC278	TYPE=ASTEROID,A=34.994625103000,E=0.069059602368,I=1.517911506900,O=27.524500681000,W=47.324380345000,M=304.786852030000,EQUI NOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 05SC278 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.3 Arcsec</i>							

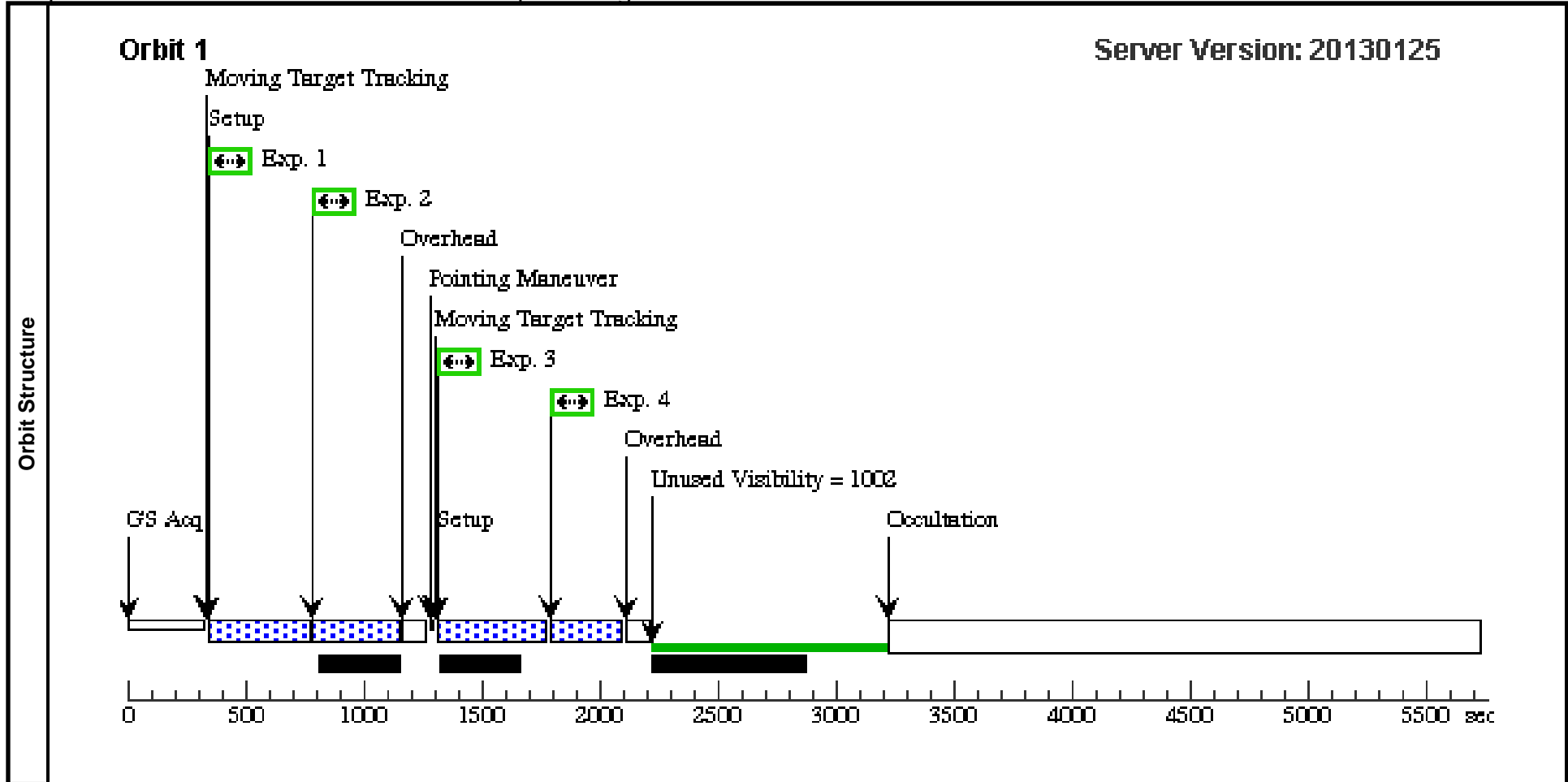
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) 05SC278		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(5) 05SC278		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs	
									[==>]	[1]



Proposal 12468 - Visit 06 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:27 GMT 2013

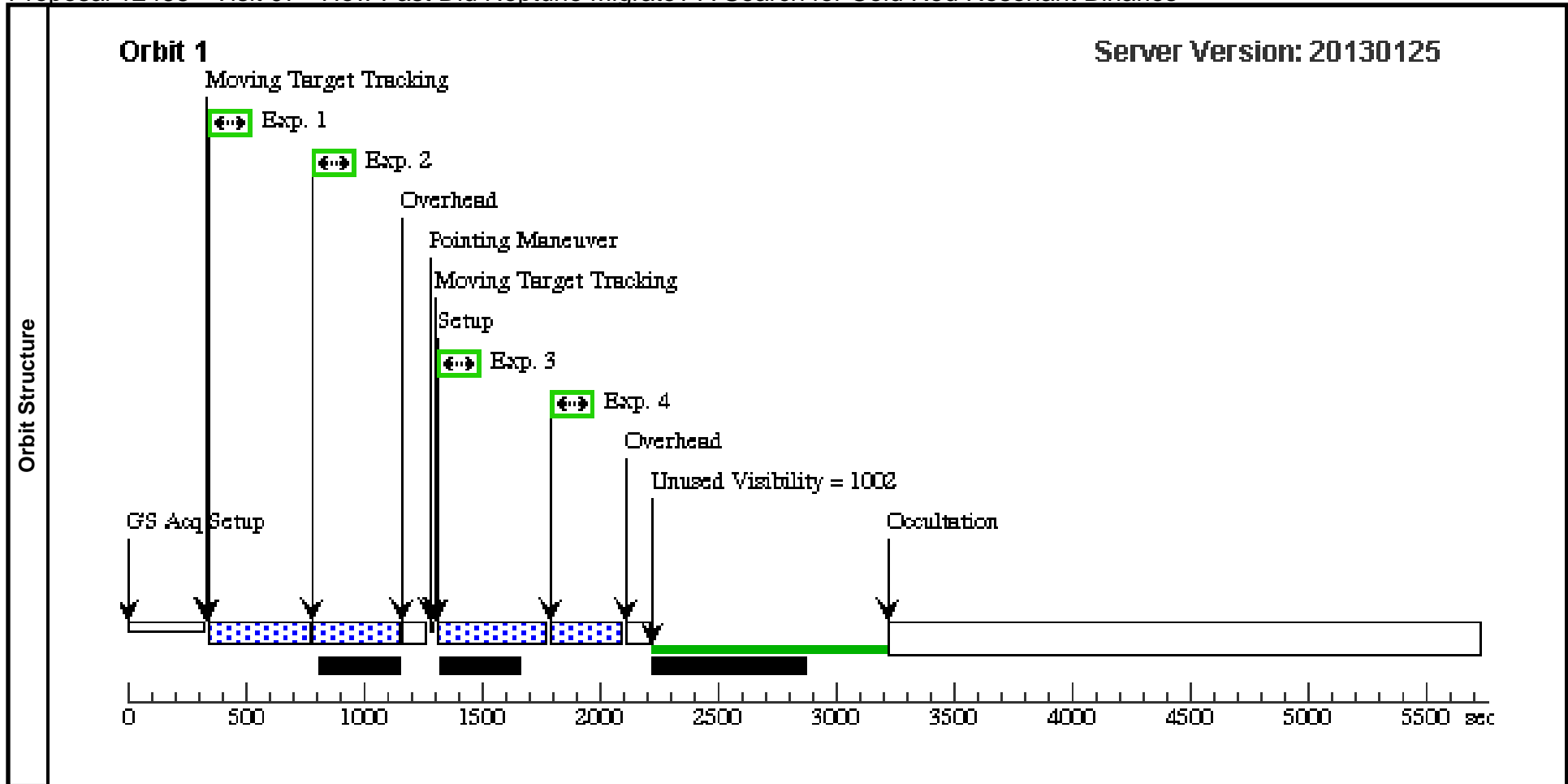
Visit	Proposal 12468, Visit 06, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem	Center		
	(6)	02FW6	TYPE=ASTEROID,A=36.2666251760 00,E=0.121718981890,I=3.538927186 400,O=153.721270030000,W=190.952 016890000,M=221.262596690000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 02FW6 FROM EARTH GT 0.00005	EARTH			
	Comments: Acquisition Uncertainty: 2.1 Arcsec										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(6) 02FW6	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]		[1]
	2		(6) 02FW6	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]		[1]
	3		(6) 02FW6	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]		[1]
	4		(6) 02FW6	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]		[1]



Proposal 12468 - Visit 07 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:28 GMT 2013

Visit	Proposal 12468, Visit 07, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(7)	15836	TYPE=ASTEROID,A=36.4084359650 00,E=0.076060781914,I=6.552942060 100,O=127.468712730000,W=333.771 928240000,M=51.295737305000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 15836 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 3.4 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) 15836	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(7) 15836	WFC3/UVIS, ACCUM, UVIS1	F606W			350 Secs [==>]	[1]	
	3		(7) 15836	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225	350 Secs [==>]	[1]	
	4		(7) 15836	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225	280 Secs [==>]	[1]	



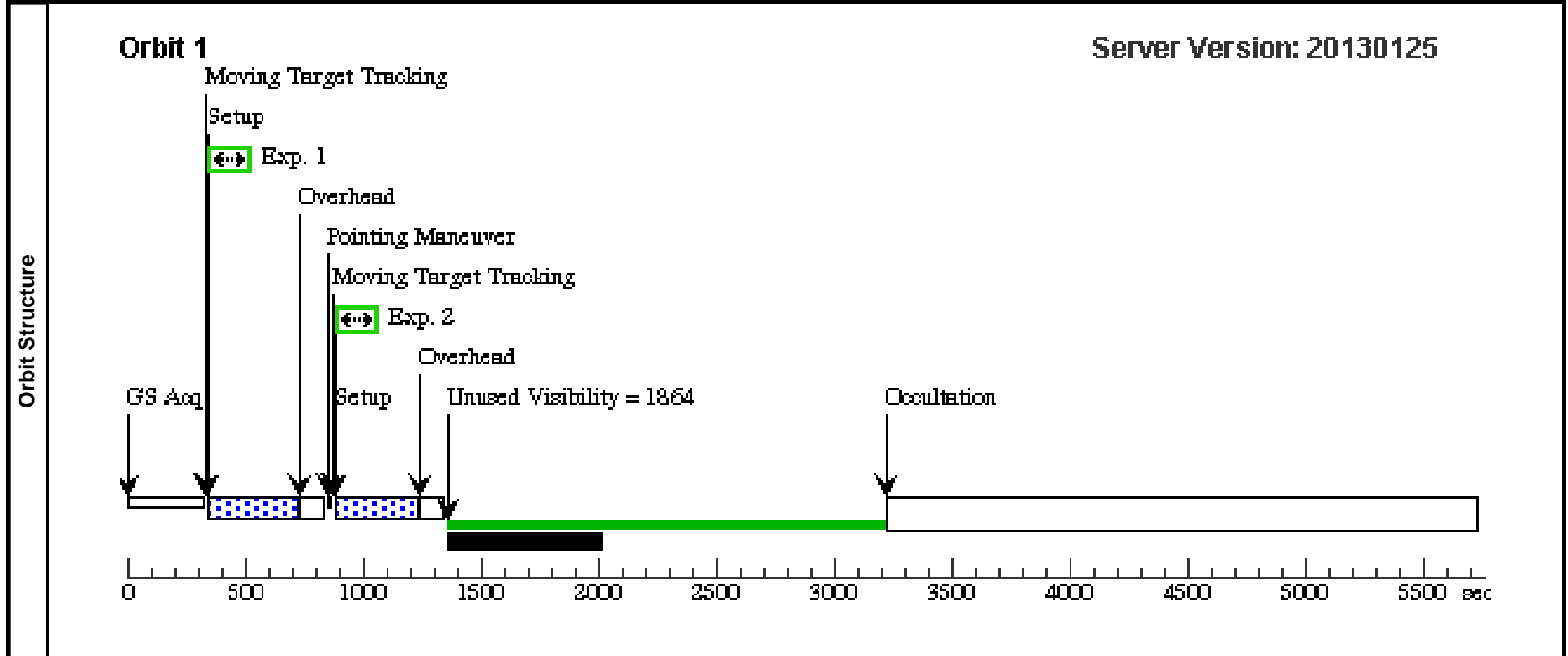
Proposal 12468 - Visit 08 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:29 GMT 2013

Visit	Proposal 12468, Visit 08, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(8)	04HM79	TYPE=ASTEROID,A=36.3415694170 00,E=0.082091033729,I=1.176353620 700,O=195.983479920000,W=243.302 659070000,M=132.710215080000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04HM79 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.0 Arcsec</i>							

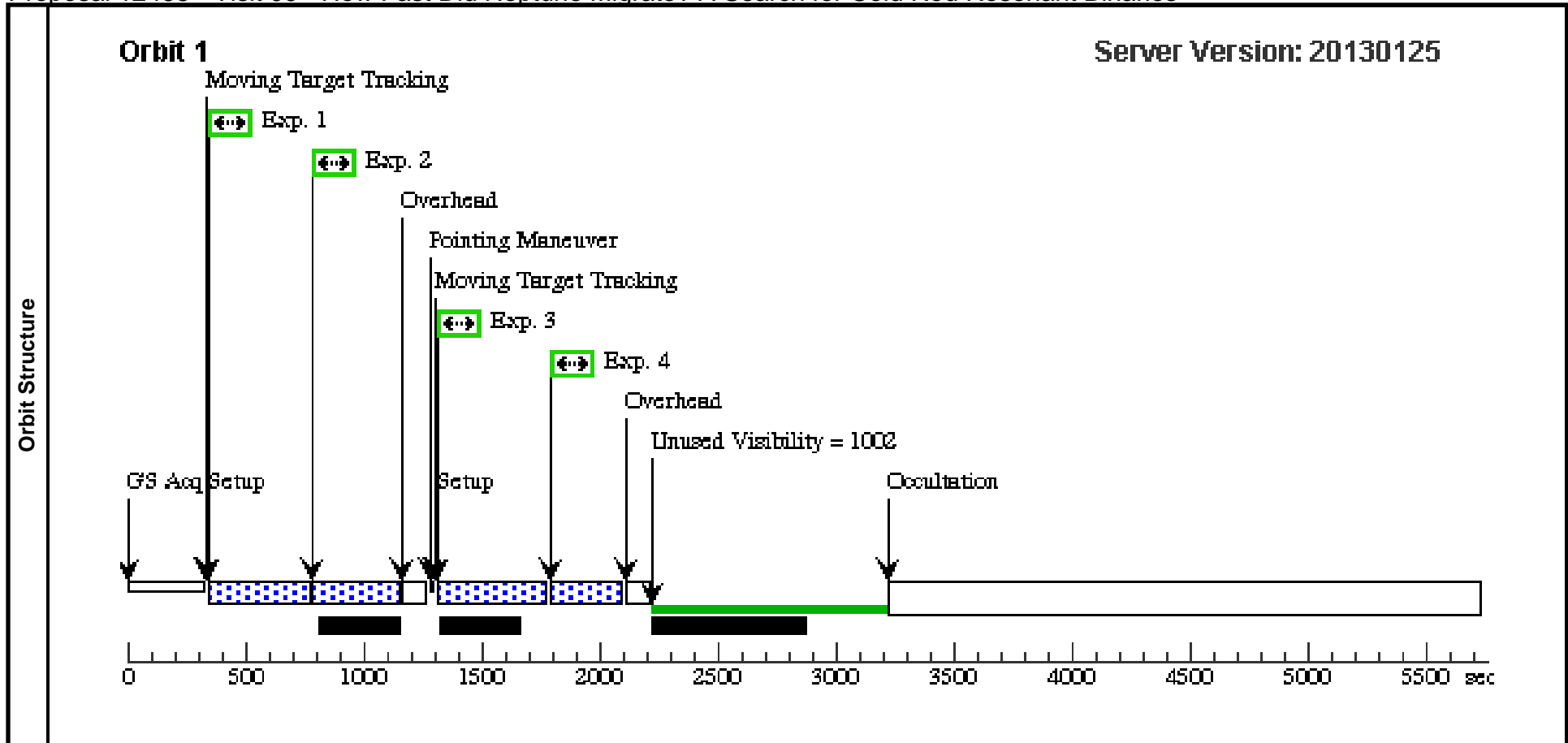
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) 04HM79		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(8) 04HM79		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



Proposal 12468 - Visit 09 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:30 GMT 2013

Visit	Proposal 12468, Visit 09, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
(9)	05CF81	TYPE=ASTEROID,A=36.5217130900 00,E=0.065750937358,I=0.405887521 020,O=109.764359810000,W=1.18498 6296400.M=36.327064771000,EQUIN OX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05CF81 FROM EARTH GT 0.00005	EARTH			
Comments: Acquisition Uncertainty: 2.1 Arcsec										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) 05CF81	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs	
									[==>]	[1]
	2		(9) 05CF81	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	3		(9) 05CF81	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs	
									[==>]	[1]
	4		(9) 05CF81	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs	
								[==>]	[1]	



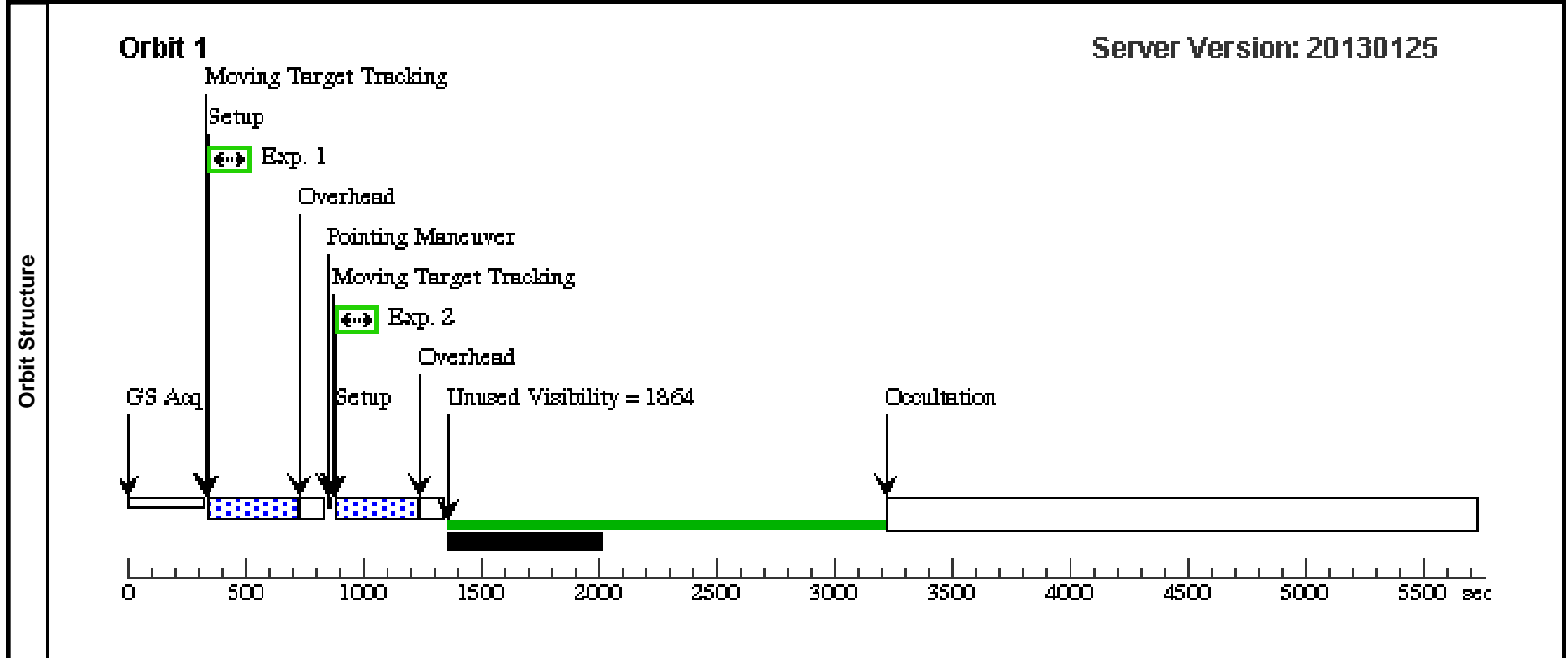
Proposal 12468 - Visit 10 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:31 GMT 2013

Visit	Proposal 12468, Visit 10, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(10)	07TH422	TYPE=ASTEROID,A=39.6434057440 00,E=0.281969450440,I=28.50766377 3000,O=96.387288784000,W=312.914 344610000,M=7.890650172500,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 07TH422 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.5 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) 07TH422		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]
2		(10) 07TH422		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [=>]	[1]



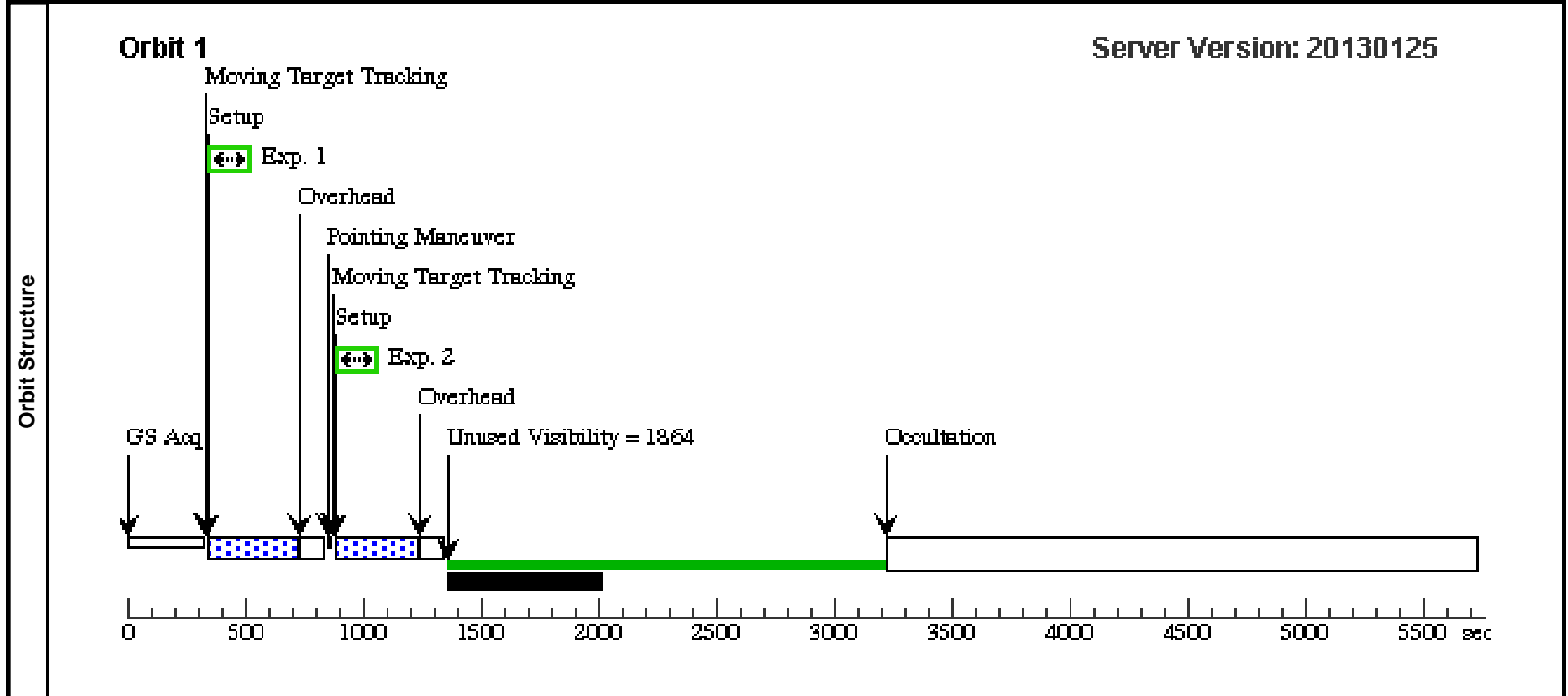
Proposal 12468 - Visit 11 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:32 GMT 2013

Visit	Proposal 12468, Visit 11, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(11)	04HA79	TYPE=ASTEROID,A=39.294291281000,E=0.248481054080,I=22.744719991000,O=203.273731010000,W=262.246946810000,M=82.416561762000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 04HA79 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 2.2 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) 04HA79		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(11) 04HA79		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs [==>]	[1]



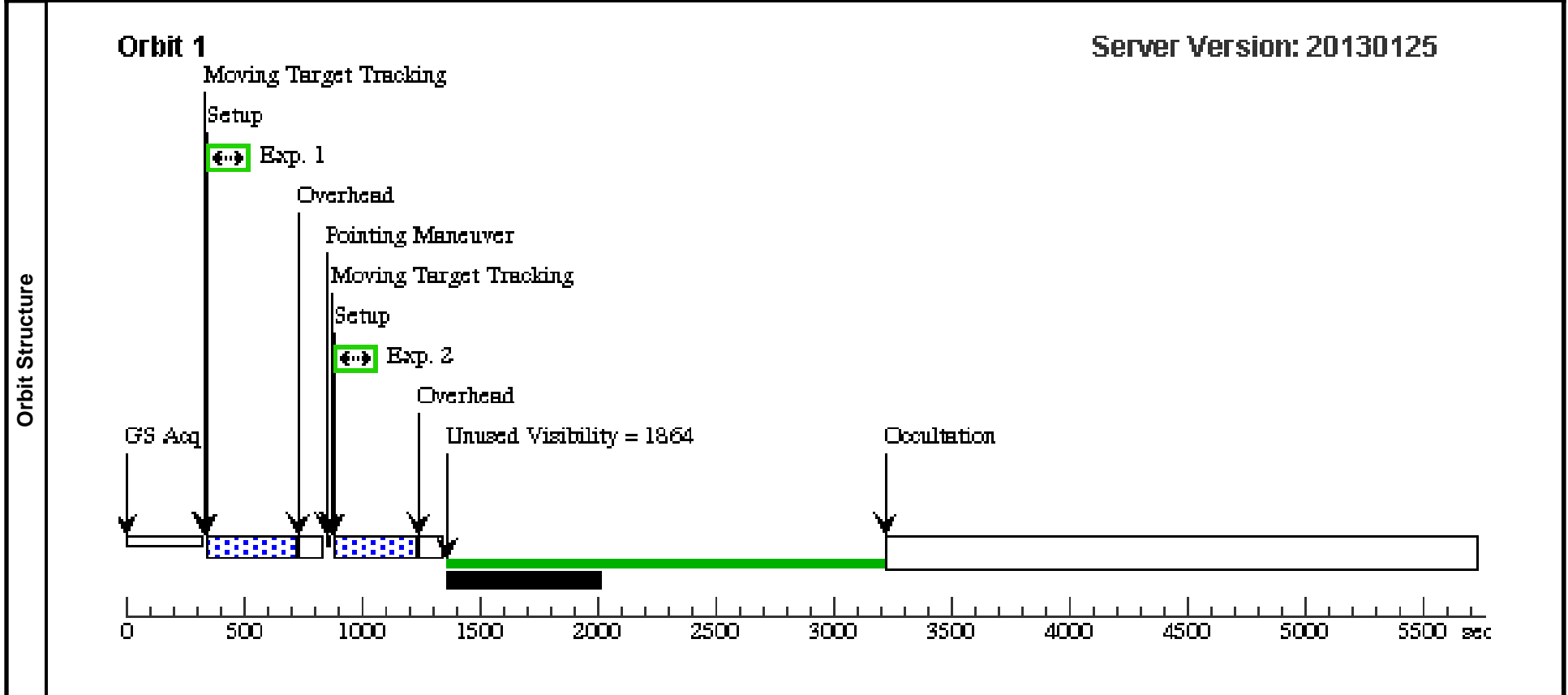
Proposal 12468 - Visit 12 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:32 GMT 2013

Visit	Proposal 12468, Visit 12, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(12)	06HJ123	TYPE=ASTEROID,A=39.3051618210 00,E=0.301773403380,I=12.47720472 9000,O=222.588576700000,W=102.73 6359080000,M=302.920102990000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 06HJ123 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.2 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) 06HJ123	WFC3/UVIS, ACCUM, UVIS1	F606W					350 Secs [==>]
2		(12) 06HJ123	WFC3/UVIS, ACCUM, UVIS1	F606W			POS TARG 0.225,0. 225		350 Secs [==>]	[1]



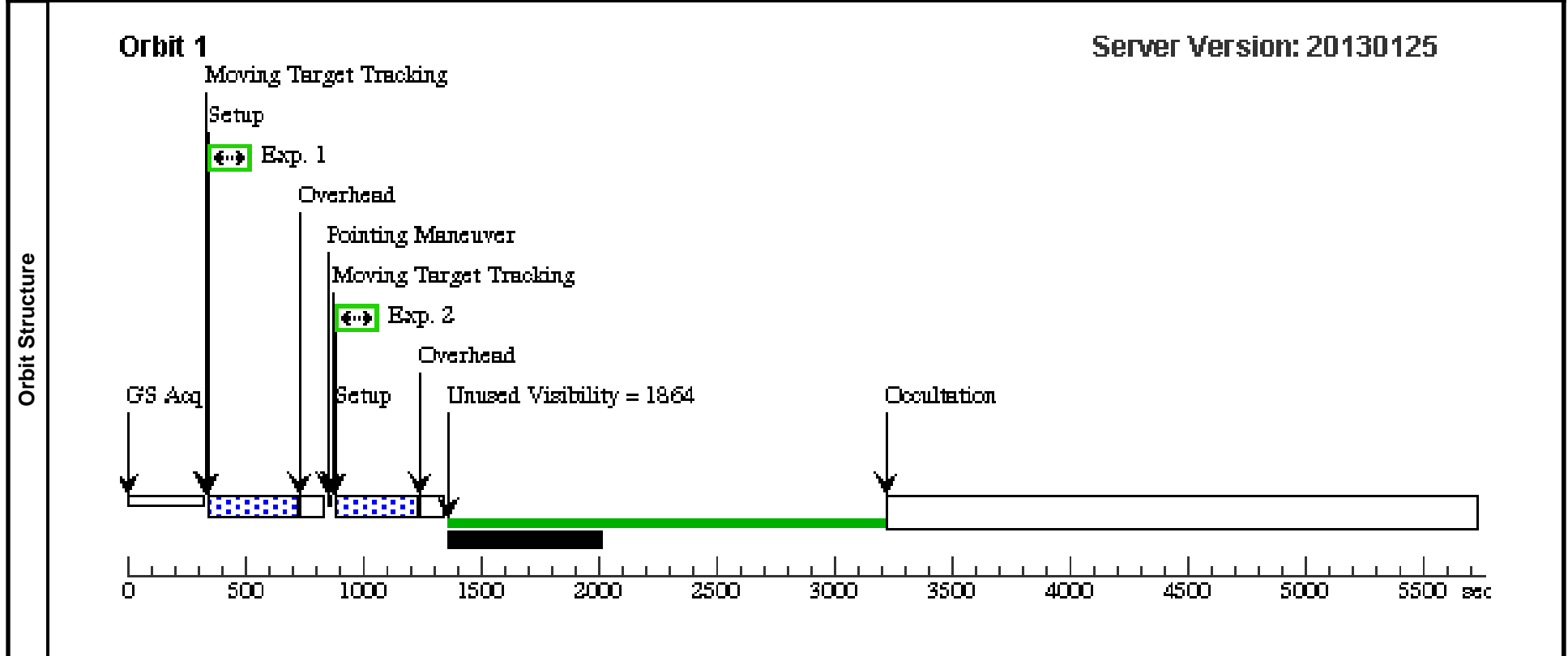
Proposal 12468 - Visit 13 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:33 GMT 2013

Visit	Proposal 12468, Visit 13, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(13)	10HE79	TYPE=ASTEROID,A=38.830390076000,E=0.179526726500,I=15.753415143000,O=238.690256770000,W=281.146797150000,M=56.417528021000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 10HE79 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.1 Arcsec</i>							

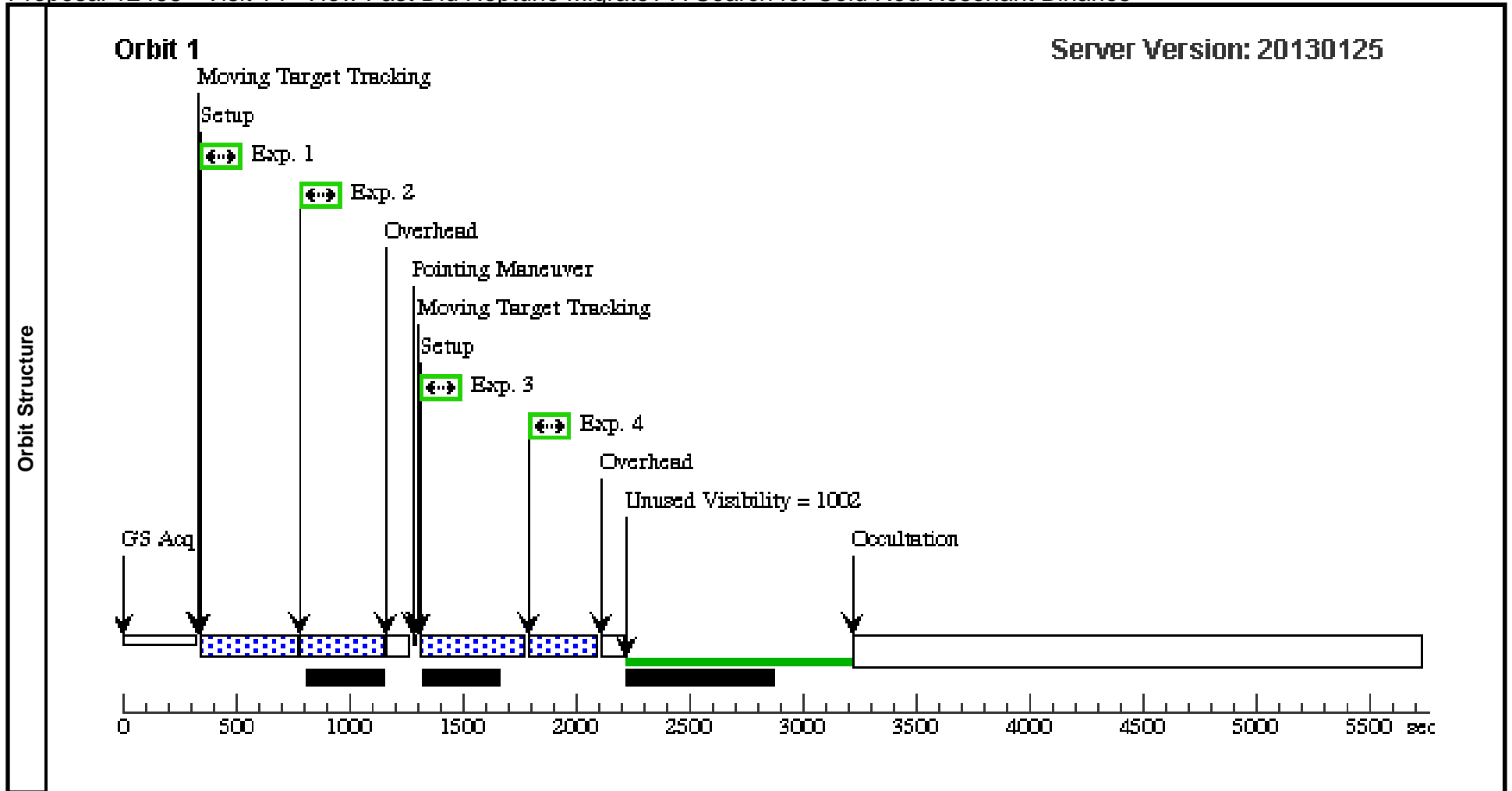
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) 10HE79		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(13) 10HE79		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs [==>]	[1]



Proposal 12468 - Visit 14 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:34 GMT 2013

Visit	Proposal 12468, Visit 14, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(14)	04VY130	TYPE=ASTEROID,A=39.6745328330 00,E=0.281994936150,I=10.18554963 2000,O=222.333604600000,W=181.08 7834210000,M=10.328136473000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04VY130 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.6 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) 04VY130	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(14) 04VY130	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(14) 04VY130	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(14) 04VY130	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



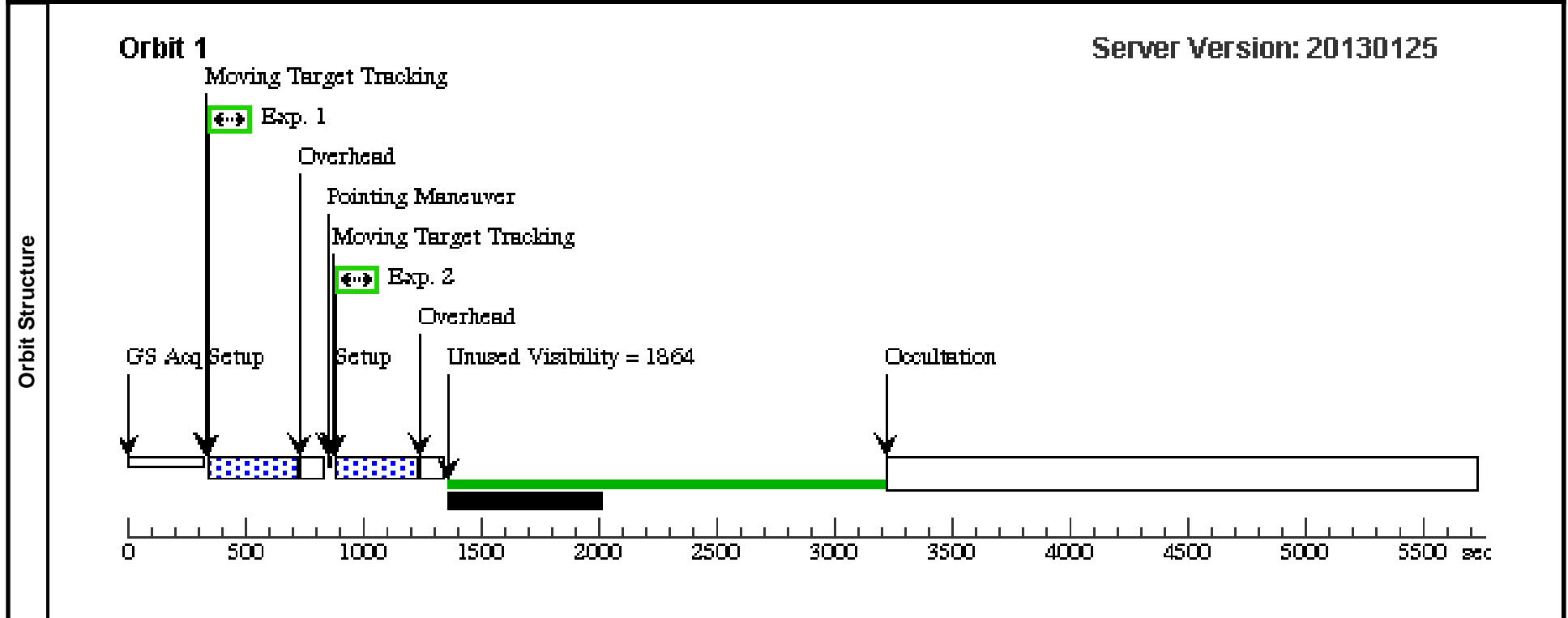
Proposal 12468 - Visit 15 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:35 GMT 2013

Visit	Proposal 12468, Visit 15, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(15)	05GE187	TYPE=ASTEROID,A=39.2020508690 00,E=0.323052452700,I=18.27682684 7000,O=205.450936170000,W=86.179 869807000,M=331.170610380000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05GE187 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.5 Arcsec</i>							

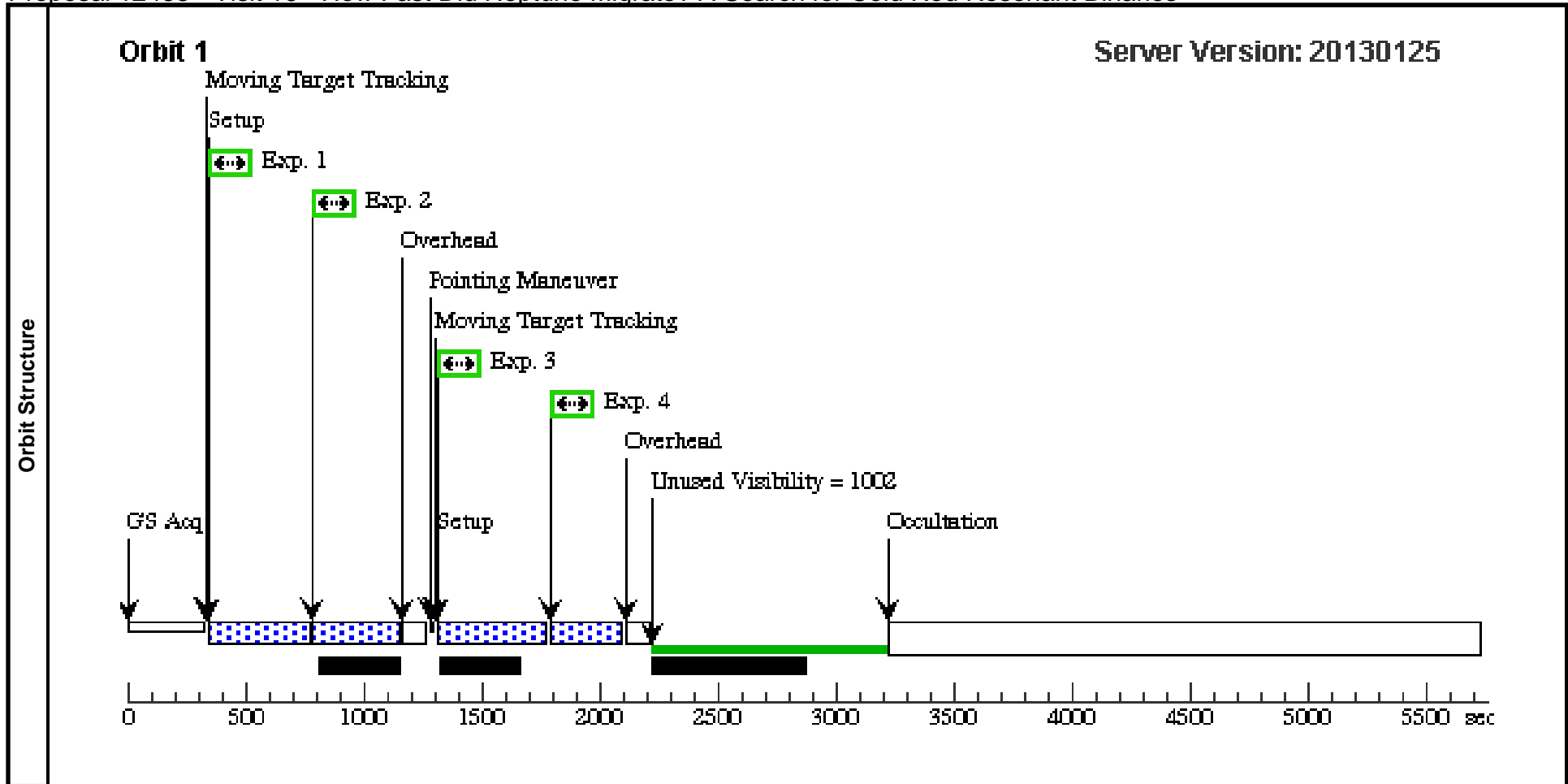
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(15) 05GE187		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
[=>]										[1]
2		(15) 05GE187		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs	
[=>]										[1]



Proposal 12468 - Visit 16 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:36 GMT 2013

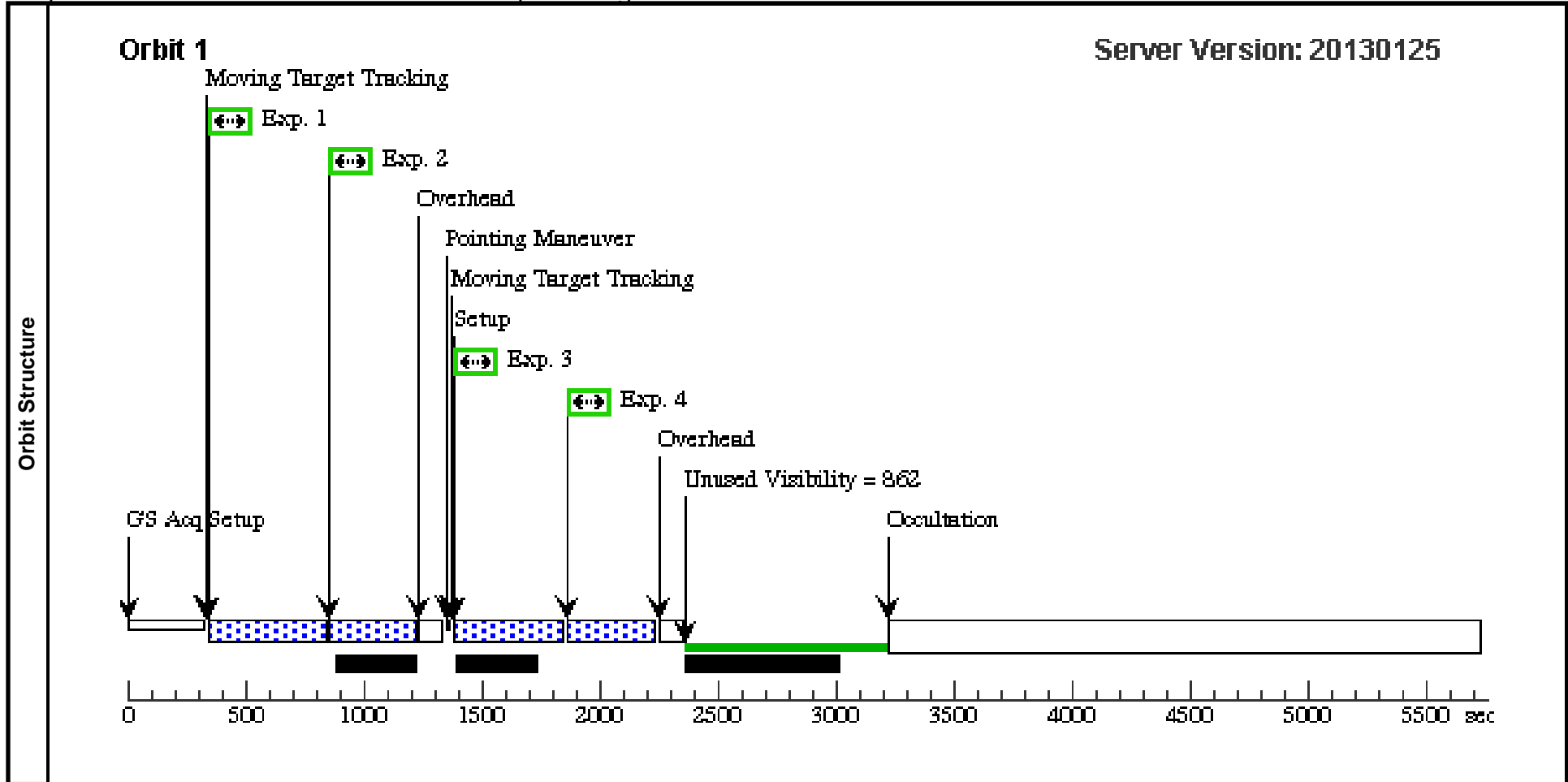
Visit	Proposal 12468, Visit 16, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(16)	38628	TYPE=ASTEROID,A=39.2609463660 00,E=0.273352774580,I=15.48048012 3000,O=169.359785950000,W=67.832 120589000,M=356.132126370000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 38628 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 0.4 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) 38628	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(16) 38628	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(16) 38628	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(16) 38628	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



Proposal 12468 - Visit 17 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:37 GMT 2013

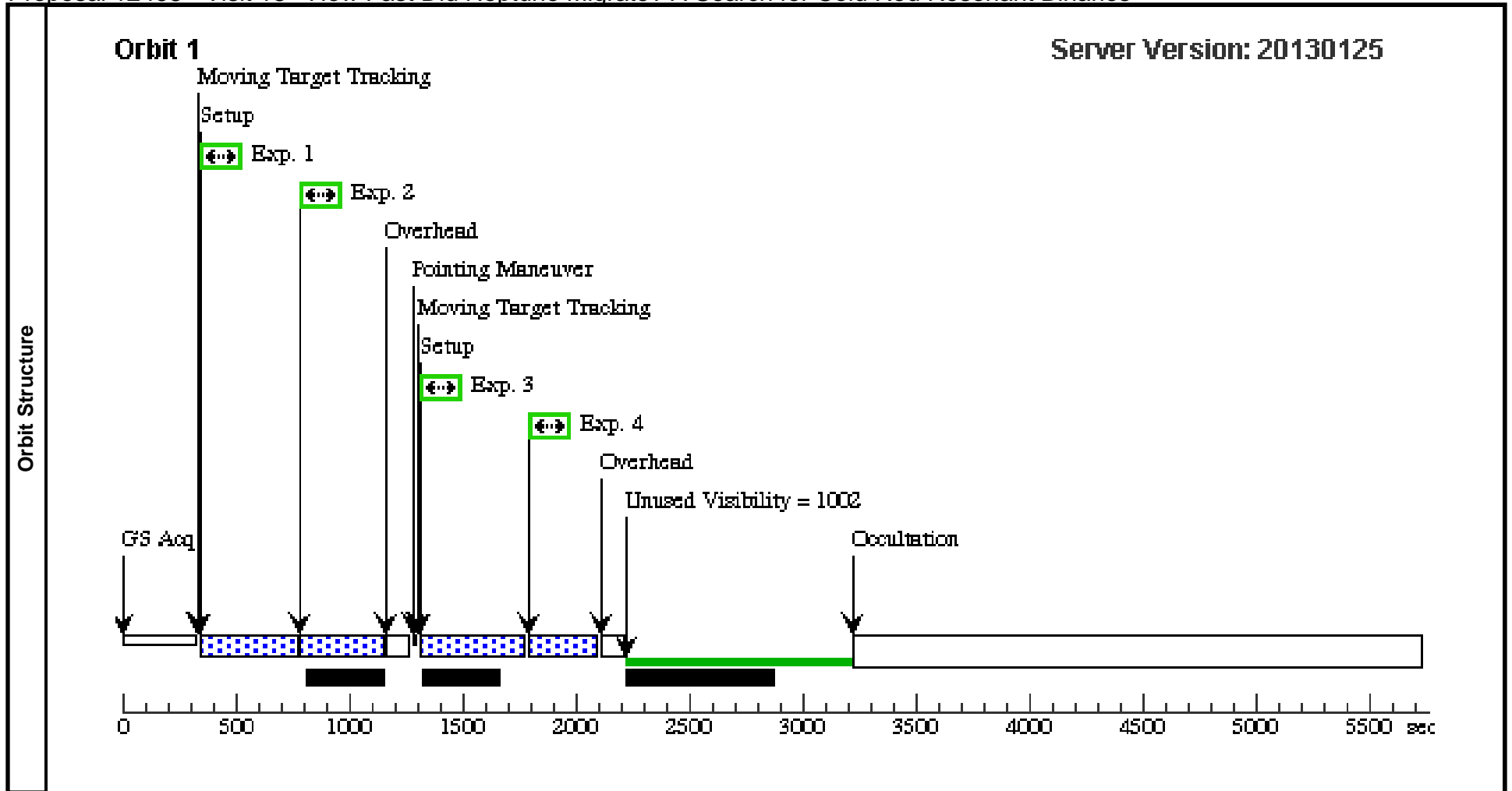
Visit	Proposal 12468, Visit 17, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(17)	01VN71	TYPE=ASTEROID,A=39.7427815530 00,E=0.251852360640,I=18.63039267 9000,O=70.416434474000,W=1.39905 7398800,M=6.775899847300,EQUIN OX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 01VN71 FROM EARTH GT 0.00005	EARTH			
	<i>Comments:</i> Acquisition Uncertainty: 3.0 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(17) 01VN71	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(17) 01VN71	WFC3/UVIS, ACCUM, UVIS1	F814W				350 Secs	
									[==>]	[1]
	3		(17) 01VN71	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		350 Secs	
									[==>]	[1]
	4		(17) 01VN71	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs	
									[==>]	[1]



Proposal 12468 - Visit 18 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:38 GMT 2013

Visit	Proposal 12468, Visit 18, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(18)	04KB19	TYPE=ASTEROID,A=39.3607019500 00,E=0.218504928380,I=17.18896524 9000,O=44.003843592000,W=287.094 281260000,M=293.562321010000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04KB19 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 3.7 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(18) 04KB19	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs	
									[==>]	[1]
	2		(18) 04KB19	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
3		(18) 04KB19	WFC3/UVIS, ACCUM, UVIS1	F606W			POS TARG 0.225,0. 225		350 Secs	
								[==>]	[1]	
4		(18) 04KB19	WFC3/UVIS, ACCUM, UVIS1	F814W			POS TARG 0.225,0. 225		280 Secs	
								[==>]	[1]	



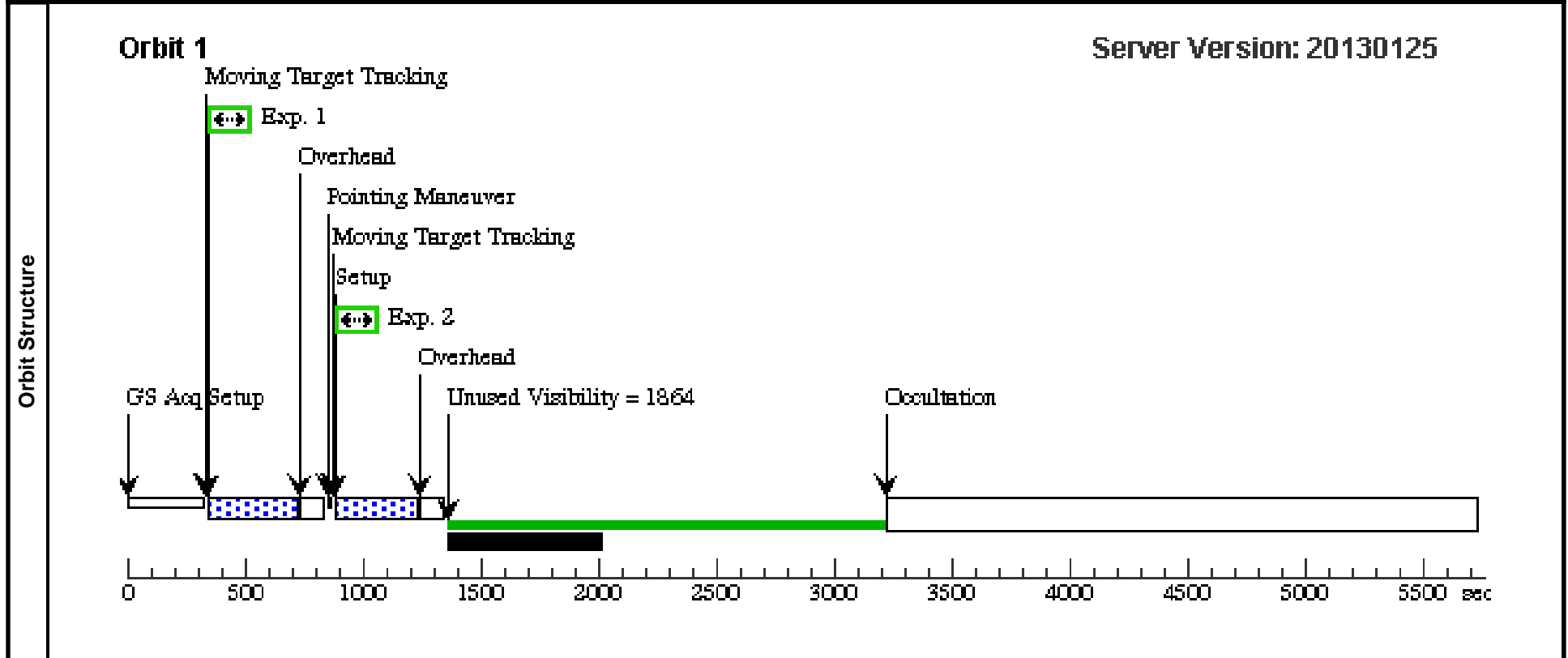
Proposal 12468 - Visit 19 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:39 GMT 2013

Visit	Proposal 12468, Visit 19, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(19)	07RT15	TYPE=ASTEROID,A=39.6585859760 00,E=0.233426574740,I=12.91112615 9000,O=82.307442334000,W=276.406 421900000,M=21.657124840000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 07RT15 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.9 Arcsec</i>							

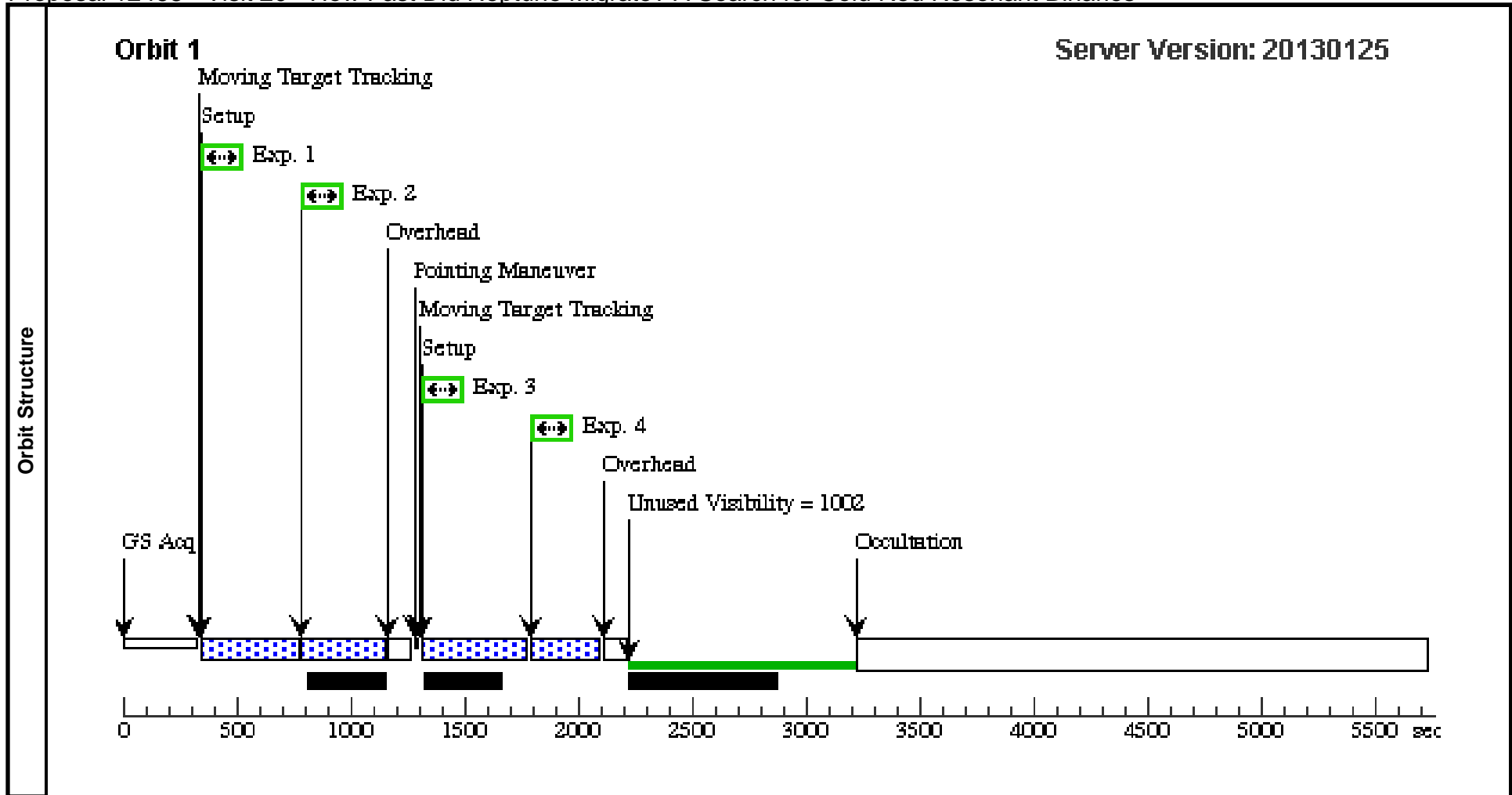
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(19) 07RT15		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(19) 07RT15		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



Proposal 12468 - Visit 20 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:39 GMT 2013

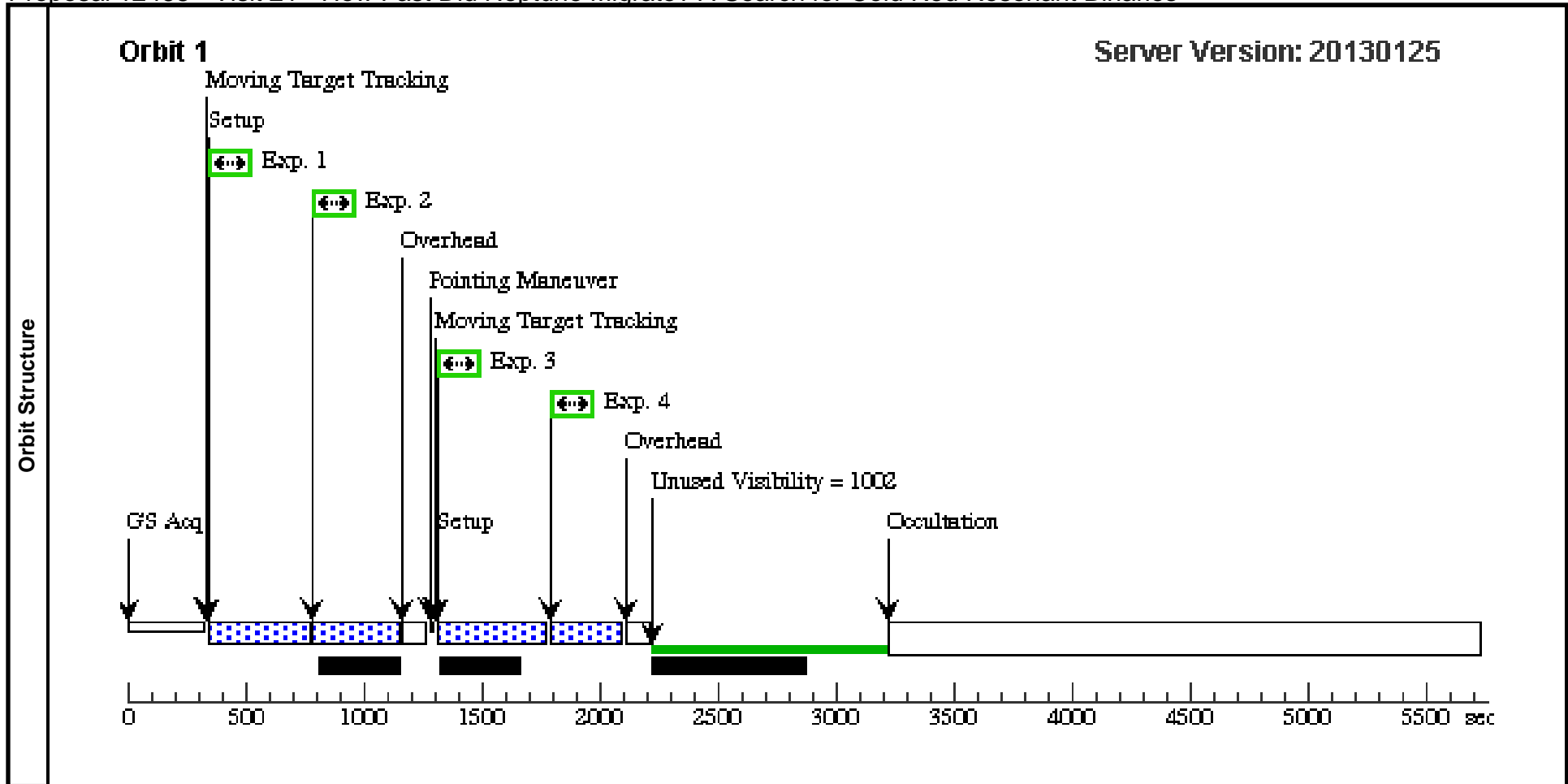
Visit	Proposal 12468, Visit 20, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(20)	06UZ184	TYPE=ASTEROID,A=39.5772269700 00,E=0.231697702820,I=14.81312617 0000,O=235.939498270000,W=150.03 1018610000,M=11.513864196000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 06UZ184 FROM EARTH GT 0.00005	EARTH			
	<i>Comments:</i> Acquisition Uncertainty: 0.5 Arcsec										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(20) 06UZ184	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs		
									[==>]	[1]	
	2		(20) 06UZ184	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs		
									[==>]	[1]	
	3		(20) 06UZ184	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs		
									[==>]	[1]	
	4		(20) 06UZ184	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs		
									[==>]	[1]	



Proposal 12468 - Visit 21 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:40 GMT 2013

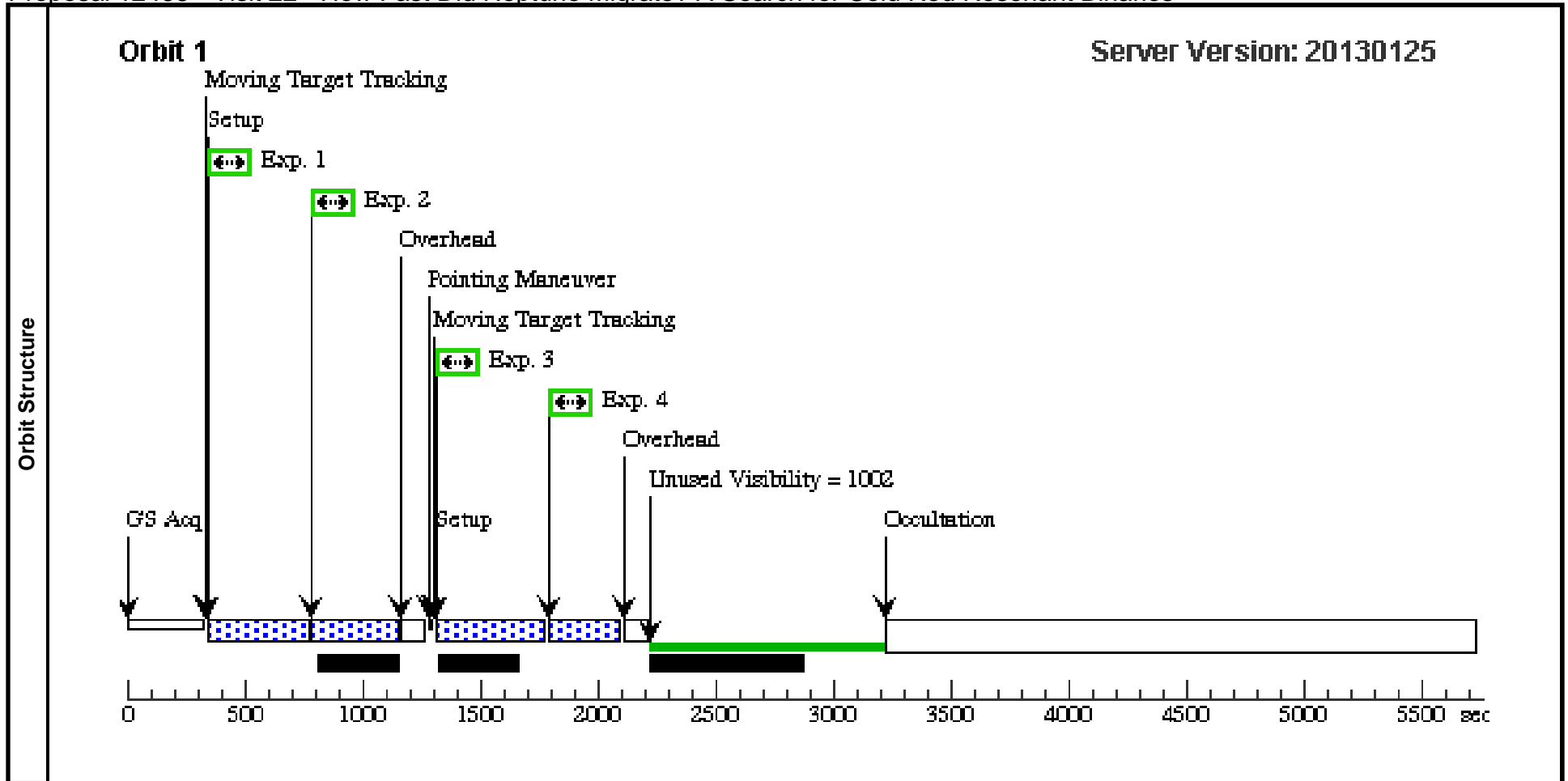
Visit	Proposal 12468, Visit 21, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(21)	01KB77	TYPE=ASTEROID,A=39.432392393000,E=0.280356717550,I=17.547490962000,O=223.043521680000,W=53.071344580000,M=342.288081650000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 01KB77 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 2.3 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(21) 01KB77	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(21) 01KB77	WFC3/UVIS, ACCUM, UVIS1	F606W			350 Secs [==>]	[1]	
	3		(21) 01KB77	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs [==>]	[1]
	4		(21) 01KB77	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		280 Secs [==>]	[1]



Proposal 12468 - Visit 22 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:41 GMT 2013

Visit	Proposal 12468, Visit 22, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(22)	08SO266	TYPE=ASTEROID,A=39.5631003480 00,E=0.242037014790,I=18.79005838 0000,O=158.738118850000,W=174.47 7963220000.M=31.397529801000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 08SO266 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 1.7 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) 08SO266	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(22) 08SO266	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(22) 08SO266	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(22) 08SO266	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



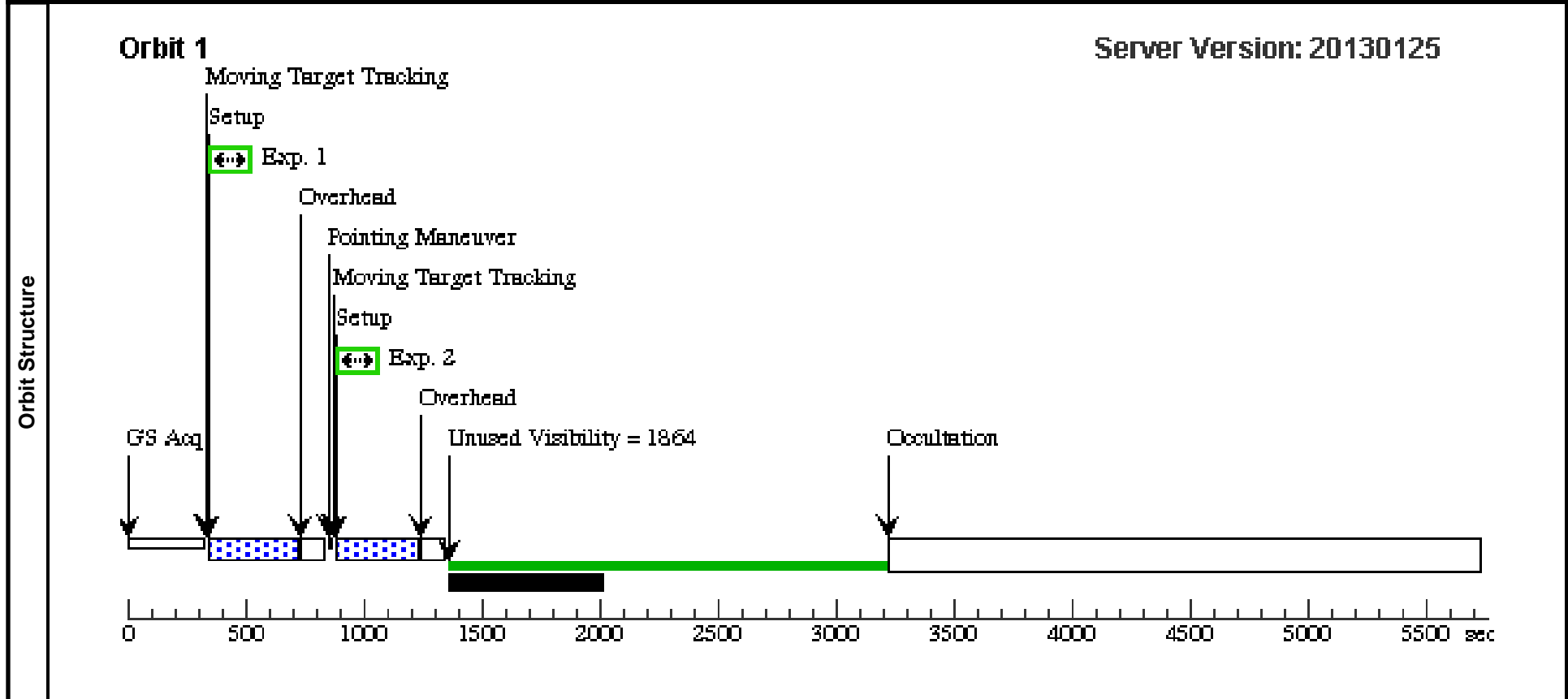
Proposal 12468 - Visit 23 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:42 GMT 2013

Visit	Proposal 12468, Visit 23, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(23)	00FB8	TYPE=ASTEROID,A=39.2396187270 00,E=0.298861255790,I=4.588484511 900,O=1.753394617000,W=66.918462 348000,M=100.549163940000,EQUIN OX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 00FB8 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.7 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(23) 00FB8		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(23) 00FB8		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



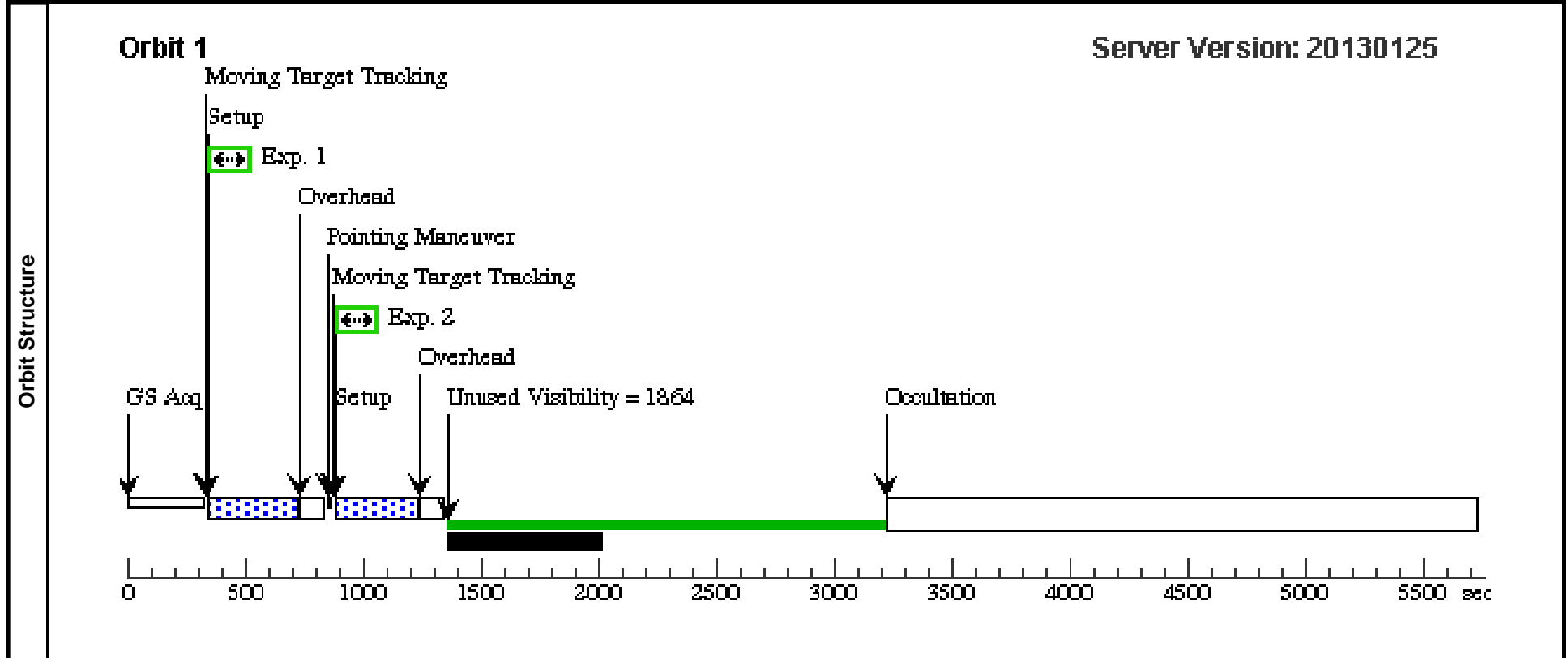
Proposal 12468 - Visit 24 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:43 GMT 2013

Visit	Proposal 12468, Visit 24, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(24)	04FU148	TYPE=ASTEROID,A=39.407144579000,E=0.226878673950,I=16.674262825000,O=197.932198750000,W=82.418585305000,M=324.202713680000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 04FU148 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.6 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) 04FU148	WFC3/UVIS, ACCUM, UVIS1	F606W					350 Secs [==>]
2		(24) 04FU148	WFC3/UVIS, ACCUM, UVIS1	F606W			POS TARG 0.225,0.225		350 Secs [==>]	[1]



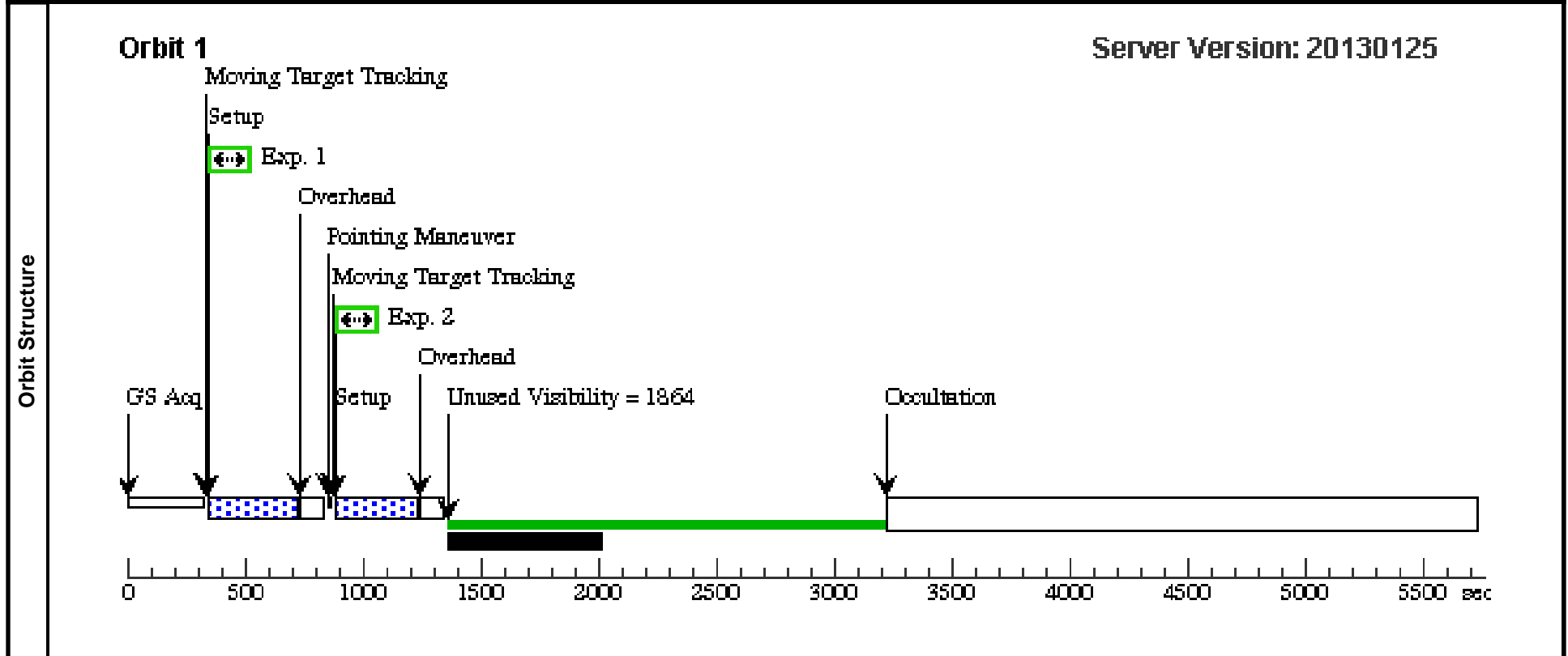
Proposal 12468 - Visit 25 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:44 GMT 2013

Visit	Proposal 12468, Visit 25, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	
	(25)	02GE32	TYPE=ASTEROID,A=39.1743793820 00,E=0.229366662790,I=15.73108265 6000,O=203.763485560000,W=105.44 2791420000,M=292.448366540000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 02GE32 FROM EARTH GT 0.00005	EARTH
	Comments:							
	Acquisition Uncertainty: 1.0 Arcsec							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(25) 02GE32	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]	[1]
	2		(25) 02GE32	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [=>]	[1]



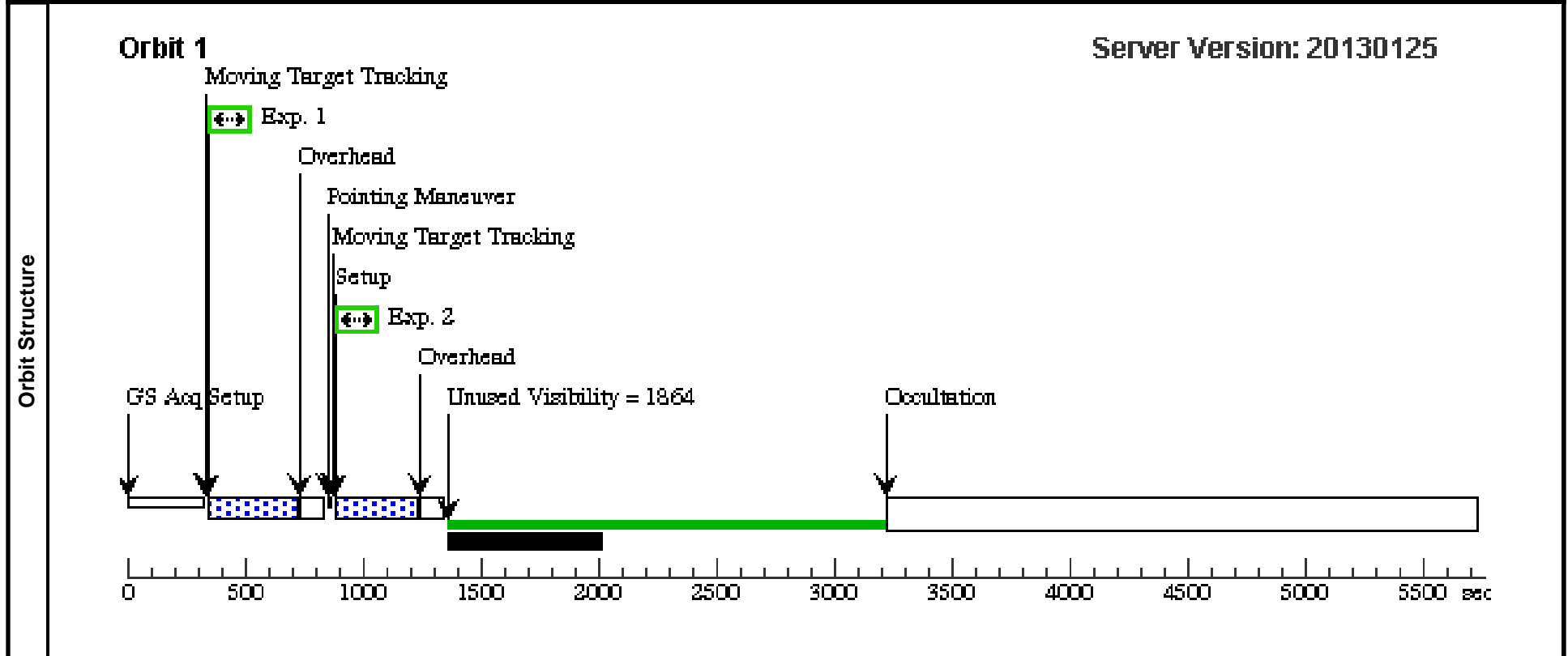
Proposal 12468 - Visit 26 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:44 GMT 2013

Visit	Proposal 12468, Visit 26, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(26)	00CK105	TYPE=ASTEROID,A=39.4546337670 00,E=0.231127259030,I=8.133716392 000,O=326.520469540000,W=352.905 047390000,M=185.796781610000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 00CK105 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.1 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(26) 00CK105		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]
2		(26) 00CK105		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [=>]	[1]



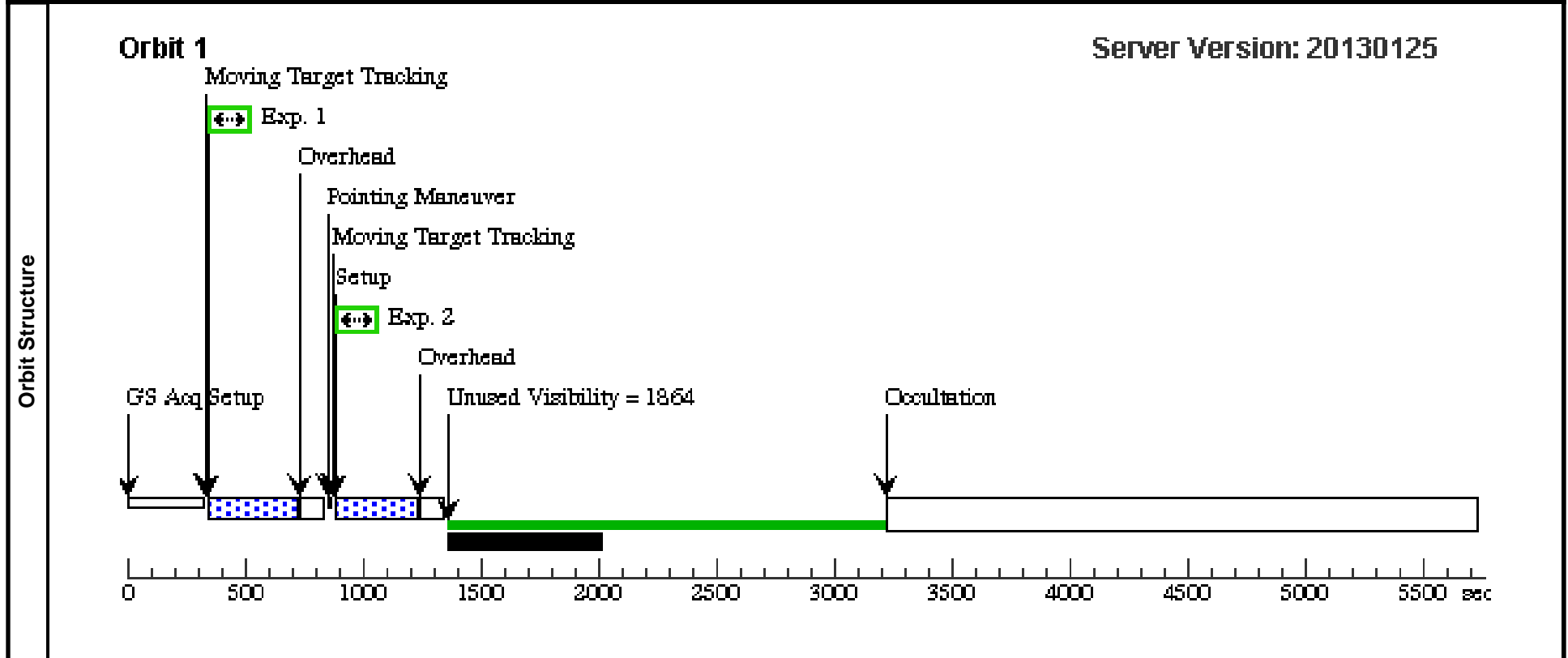
Proposal 12468 - Visit 27 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:45 GMT 2013

Visit	Proposal 12468, Visit 27, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(27)	04VZ130	TYPE=ASTEROID,A=39.8689490070 00,E=0.286221581750,I=11.56507867 2000,O=40.037024667000,W=335.324 861470000,M=25.658536675000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04VZ130 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.5 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(27) 04VZ130		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(27) 04VZ130		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



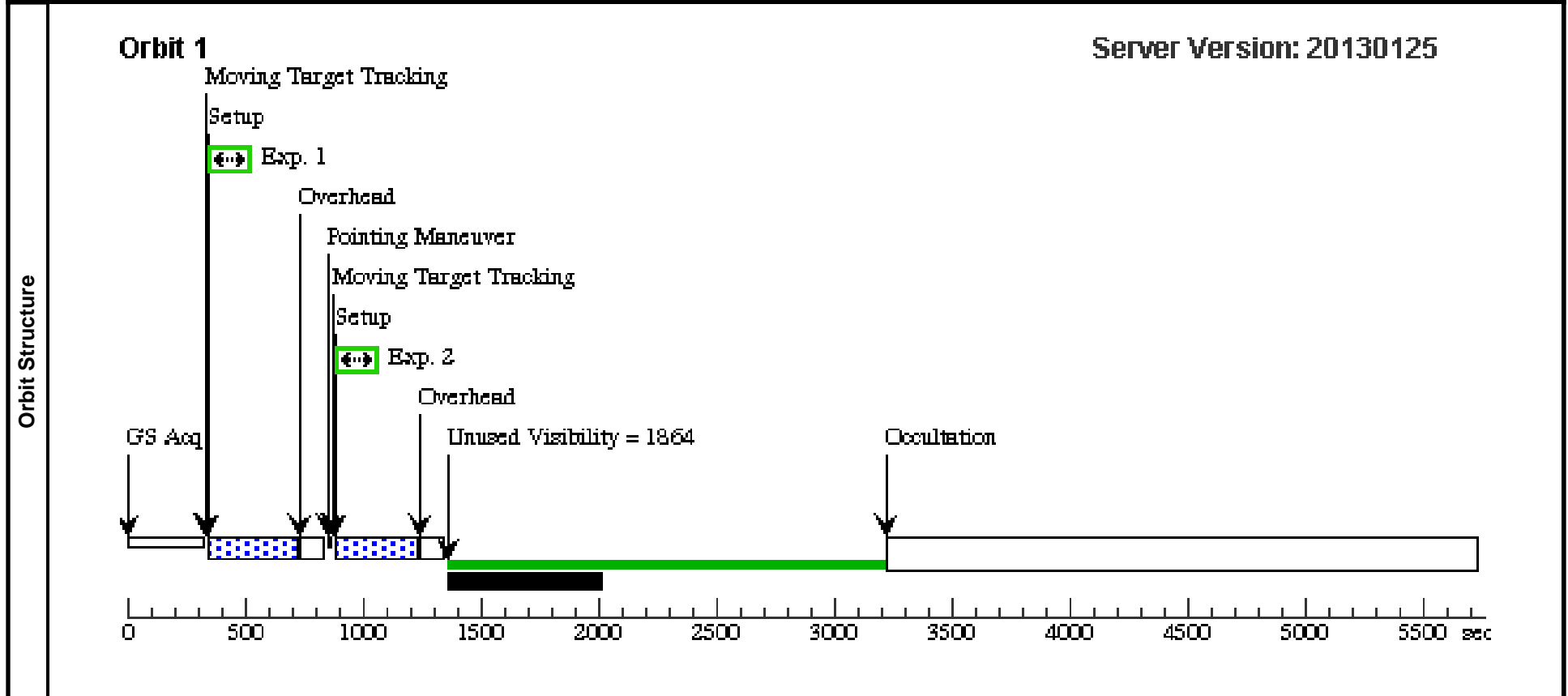
Proposal 12468 - Visit 28 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:46 GMT 2013

Visit	Proposal 12468, Visit 28, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(28)	07JF43	TYPE=ASTEROID,A=39.2272685880,00,E=0.183248144240,I=15.10797769,5000,O=207.552231470000,W=123.70,6675600000,M=286.325502730000,E,QUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 07JF43 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.2 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(28) 07JF43		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(28) 07JF43		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs	
									[==>]	[1]



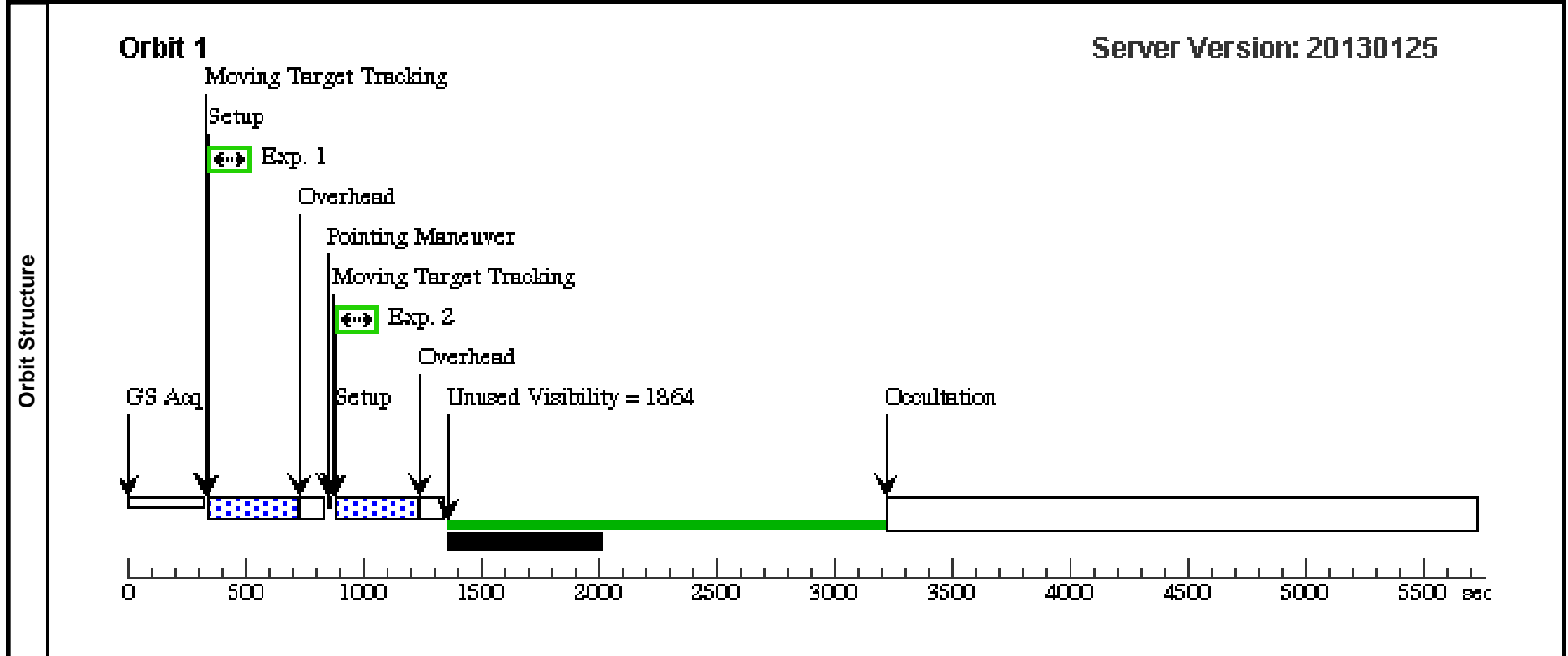
Proposal 12468 - Visit 29 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:47 GMT 2013

Visit	Proposal 12468, Visit 29, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(29)	04VV130	TYPE=ASTEROID,A=39.7377446980 00,E=0.193828685360,I=23.88391939 9000,O=46.424768693000,W=28.7259 17578000,M=350.437137110000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04VV130 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.4 Arcsec</i>							

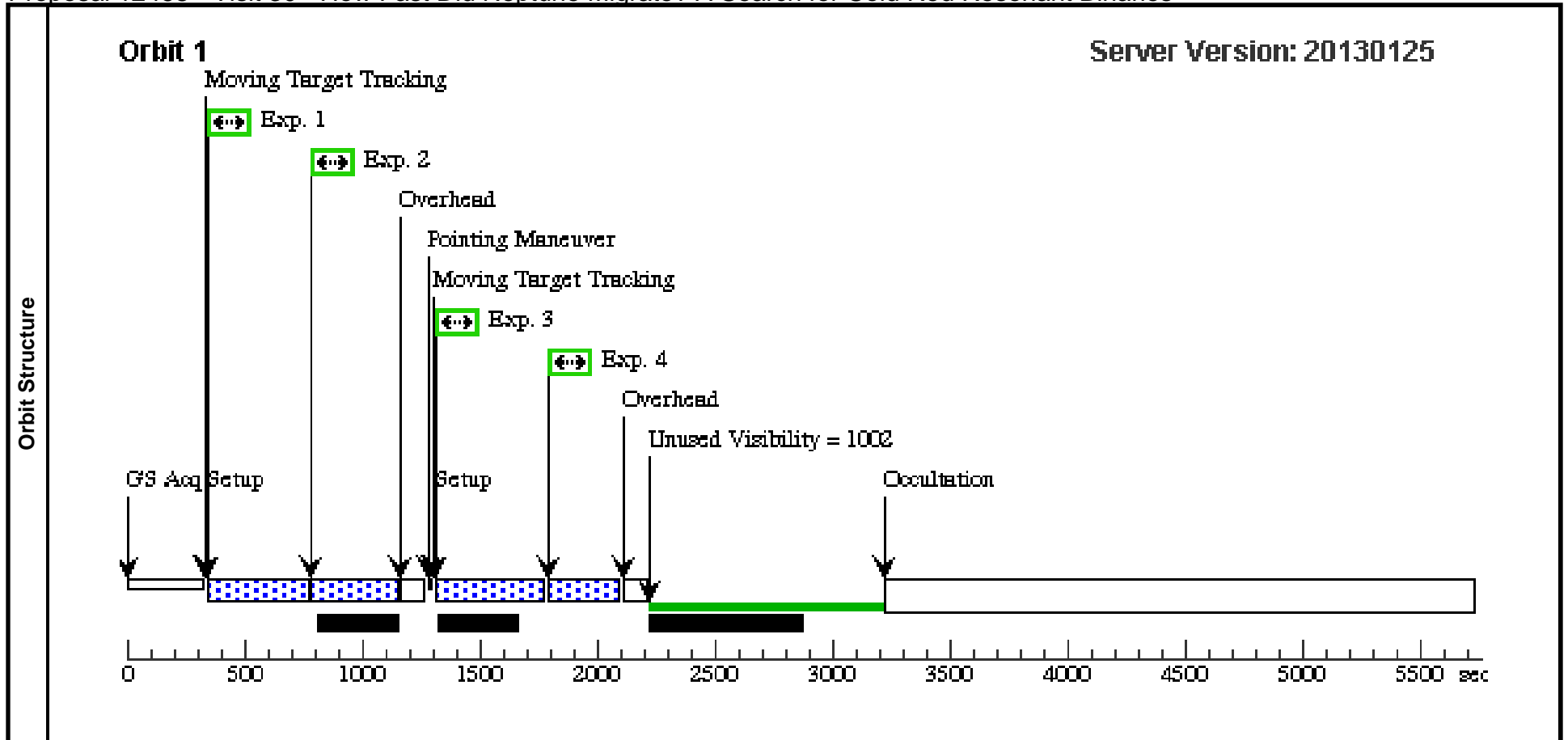
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(29) 04VV130		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]
2		(29) 04VV130		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [=>]	[1]



Proposal 12468 - Visit 30 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:47 GMT 2013

Visit	Proposal 12468, Visit 30, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(30)	05VA123	TYPE=ASTEROID,A=39.777948349000,E=0.254010553110,I=1.514595097000,O=39.758094833000,W=318.525445270000,M=50.593837539000,EQUI NOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 05VA123 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 0.3 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(30) 05VA123	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(30) 05VA123	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(30) 05VA123	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs [==>]	[1]
	4		(30) 05VA123	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		280 Secs [==>]	[1]



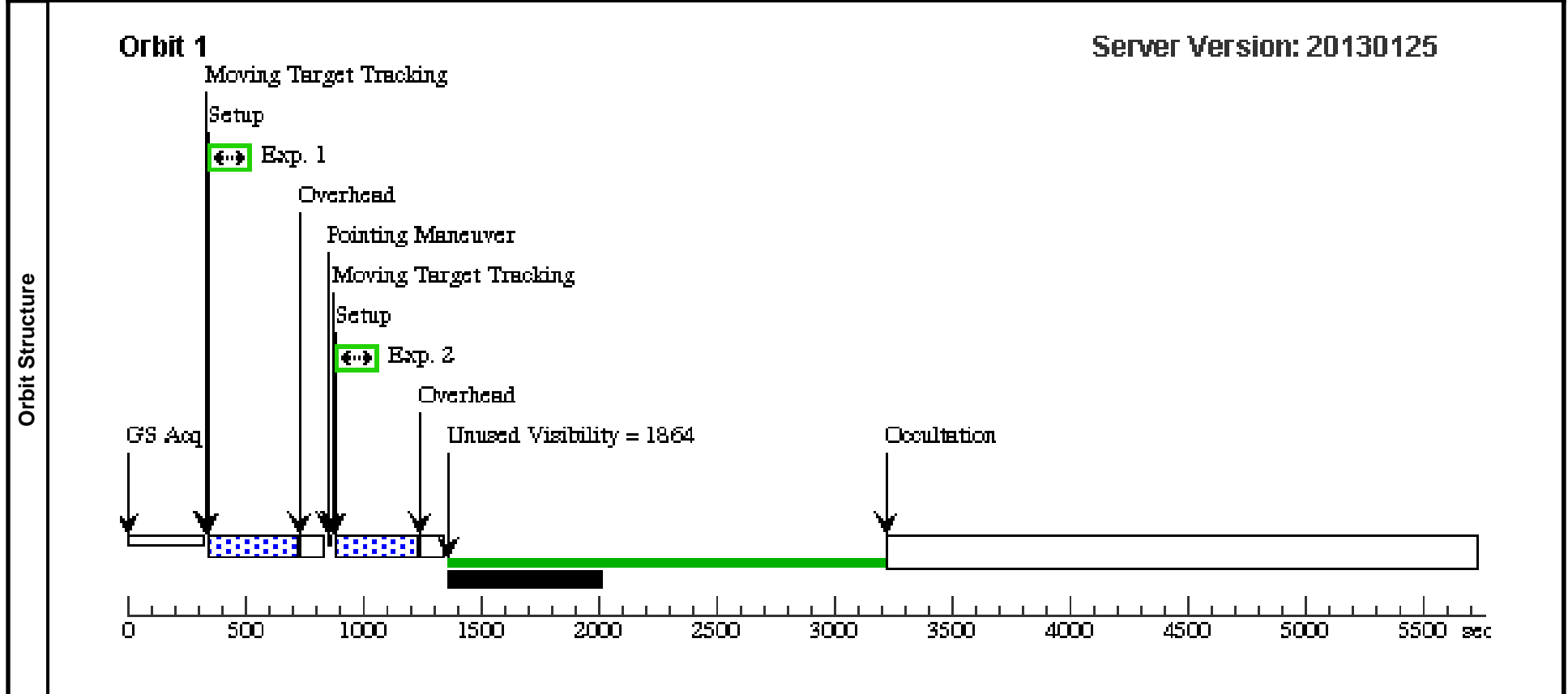
Proposal 12468 - Visit 31 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:48 GMT 2013

Visit	Proposal 12468, Visit 31, scheduled					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(31)	95HM5	TYPE=ASTEROID,A=39.370110277000,E=0.249204631110,I=4.820198484600,O=186.715406390000,W=60.255244126000,M=347.032747130000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 95HM5 FROM EARTH GT 0.00005
<i>Comments:</i>							
Acquisition Uncertainty: 2.1 Arcsec							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(31) 95HM5		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(31) 95HM5		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs	
									[==>]	[1]



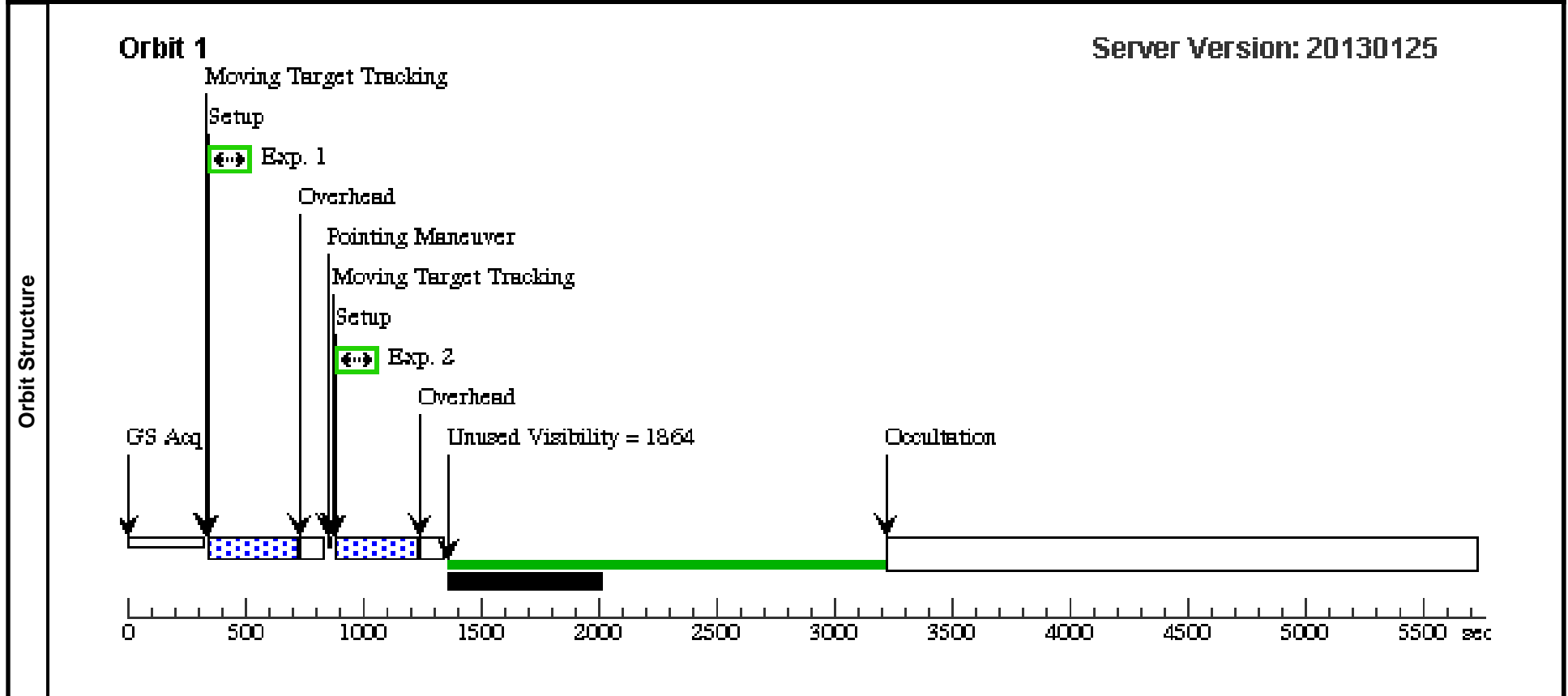
Proposal 12468 - Visit 32 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:49 GMT 2013

Visit	Proposal 12468, Visit 32, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(32)	133067		TYPE=ASTEROID,A=39.4292733580 00,E=0.256659488050,I=8.900794078 900,O=209.527387840000,W=304.369 048670000,M=47.157562827000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 133067 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 2.4 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(32) 133067		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(32) 133067		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



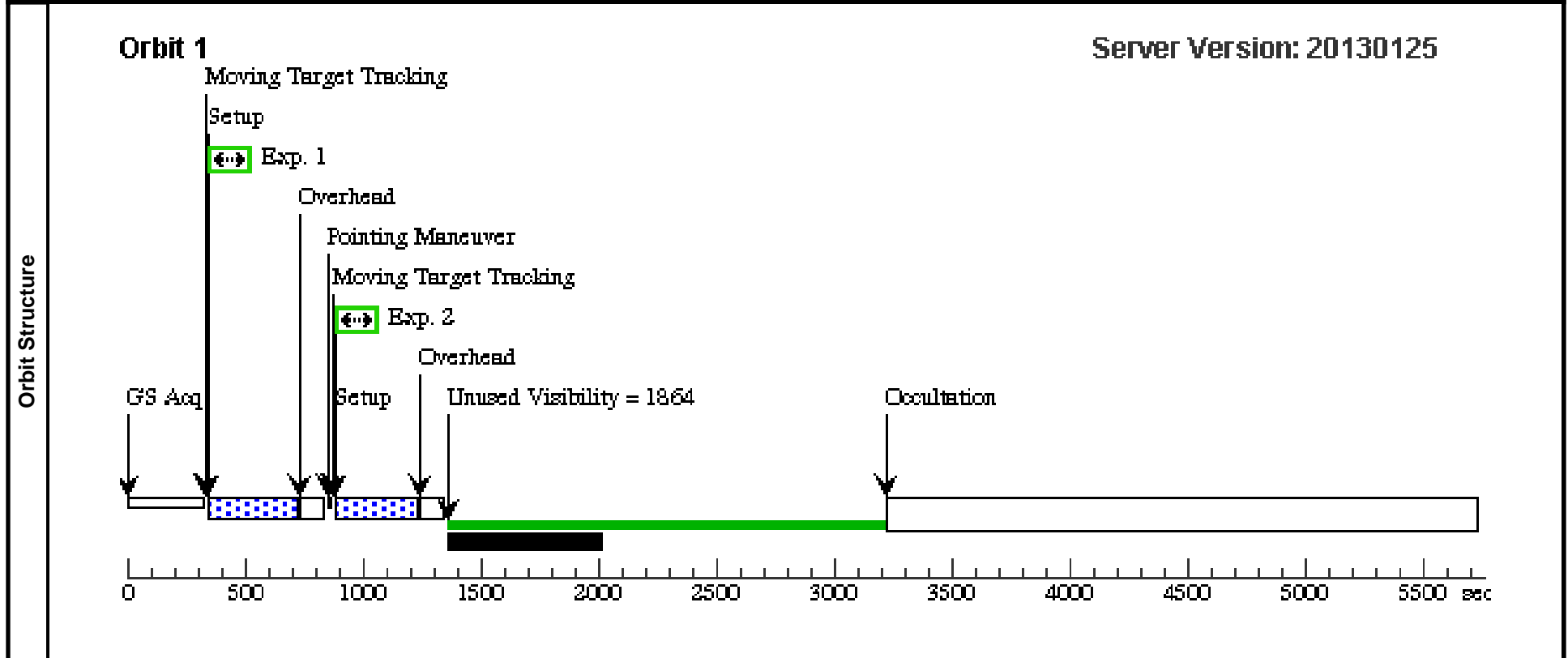
Proposal 12468 - Visit 33 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:50 GMT 2013

Visit	Proposal 12468, Visit 33, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(33)	168700		TYPE=ASTEROID,A=39.236450208000,E=0.228482413980,I=4.992591405000,O=154.764658360000,W=49.327832508000,M=13.285077232000,EQUI NOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB			A_VEL 168700 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.9 Arcsec</i>							

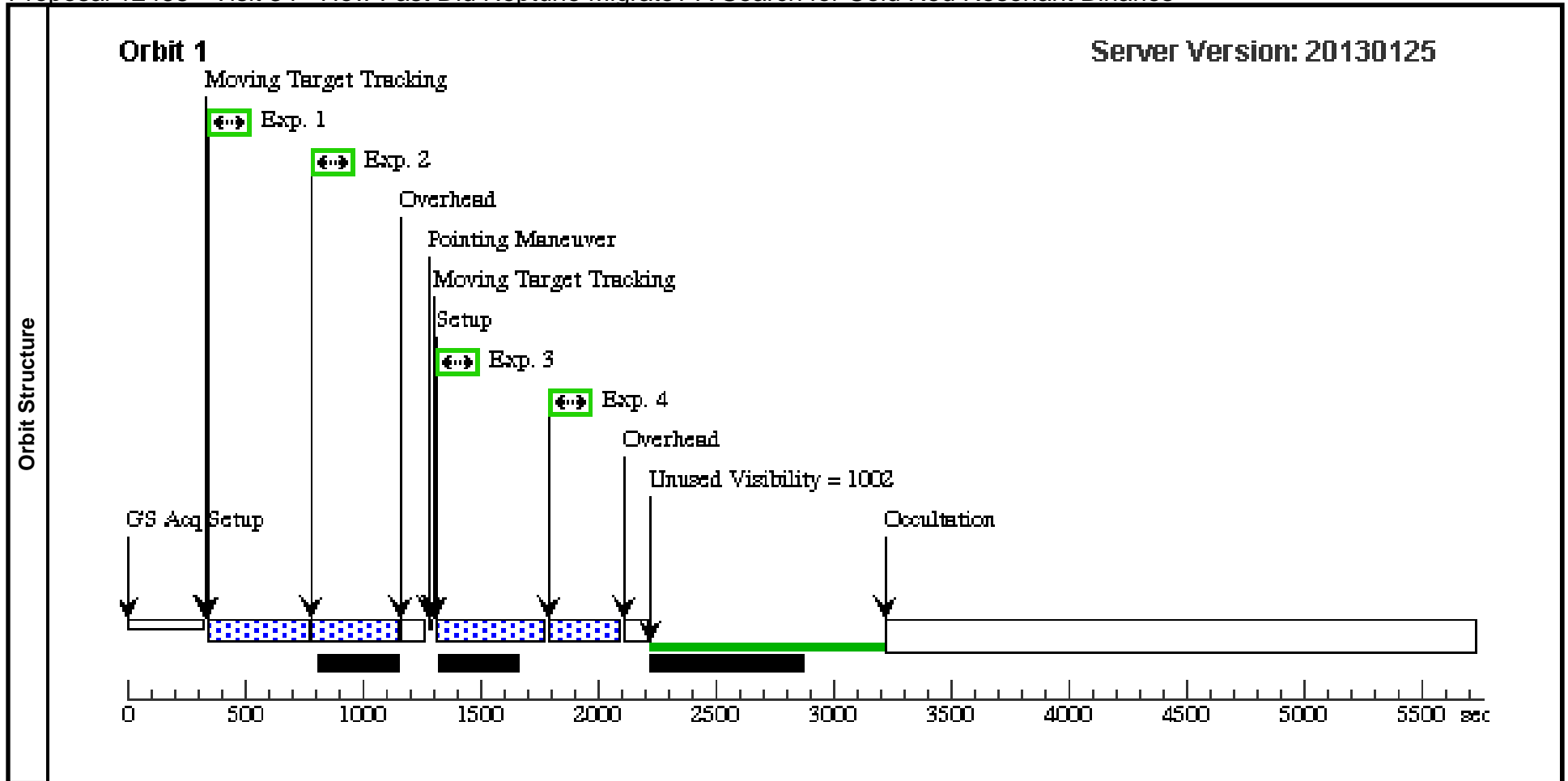
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(33) 168700		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[=>]	[1]
2		(33) 168700		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs	
									[=>]	[1]



Proposal 12468 - Visit 34 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:51 GMT 2013

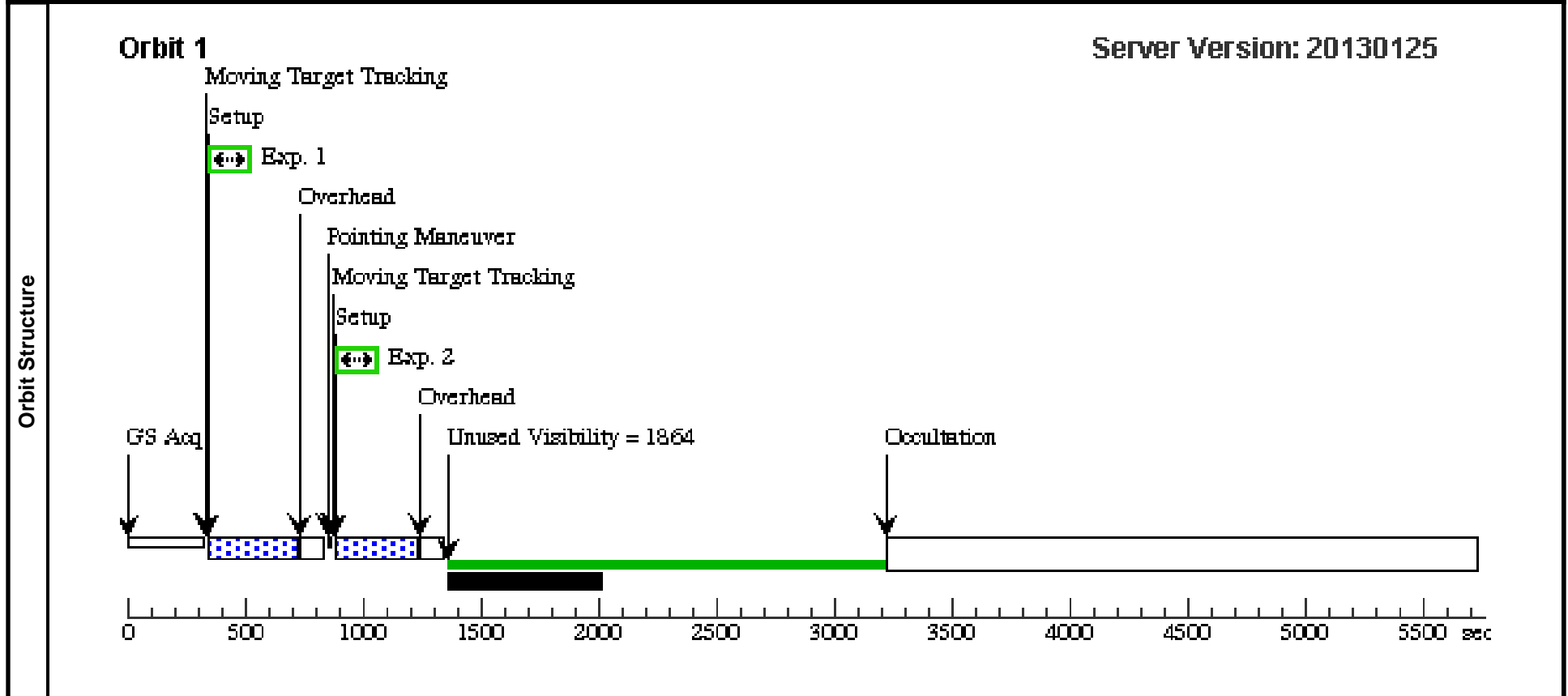
Visit	Proposal 12468, Visit 34, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(34)	99CM158	TYPE=ASTEROID,A=39.3687353830 00,E=0.278920642020,I=9.288279022 300,O=338.973456870000,W=164.044 188230000,M=29.735892915000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 99CM158 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 1.0 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(34) 99CM158	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs	
									[==>]	[1]
	2		(34) 99CM158	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
3		(34) 99CM158	WFC3/UVIS, ACCUM, UVIS1	F606W			POS TARG 0.225,0. 225	350 Secs		
								[==>]	[1]	
4		(34) 99CM158	WFC3/UVIS, ACCUM, UVIS1	F814W			POS TARG 0.225,0. 225	280 Secs		
								[==>]	[1]	



Visit	Proposal 12468, Visit 35, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(35)	04VX130	TYPE=ASTEROID,A=39.7163549870 00,E=0.209763292020,I=5.735224002 400,O=44.413076817000,W=292.8479 93440000,M=54.808281310000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04VX130 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.7 Arcsec</i>							

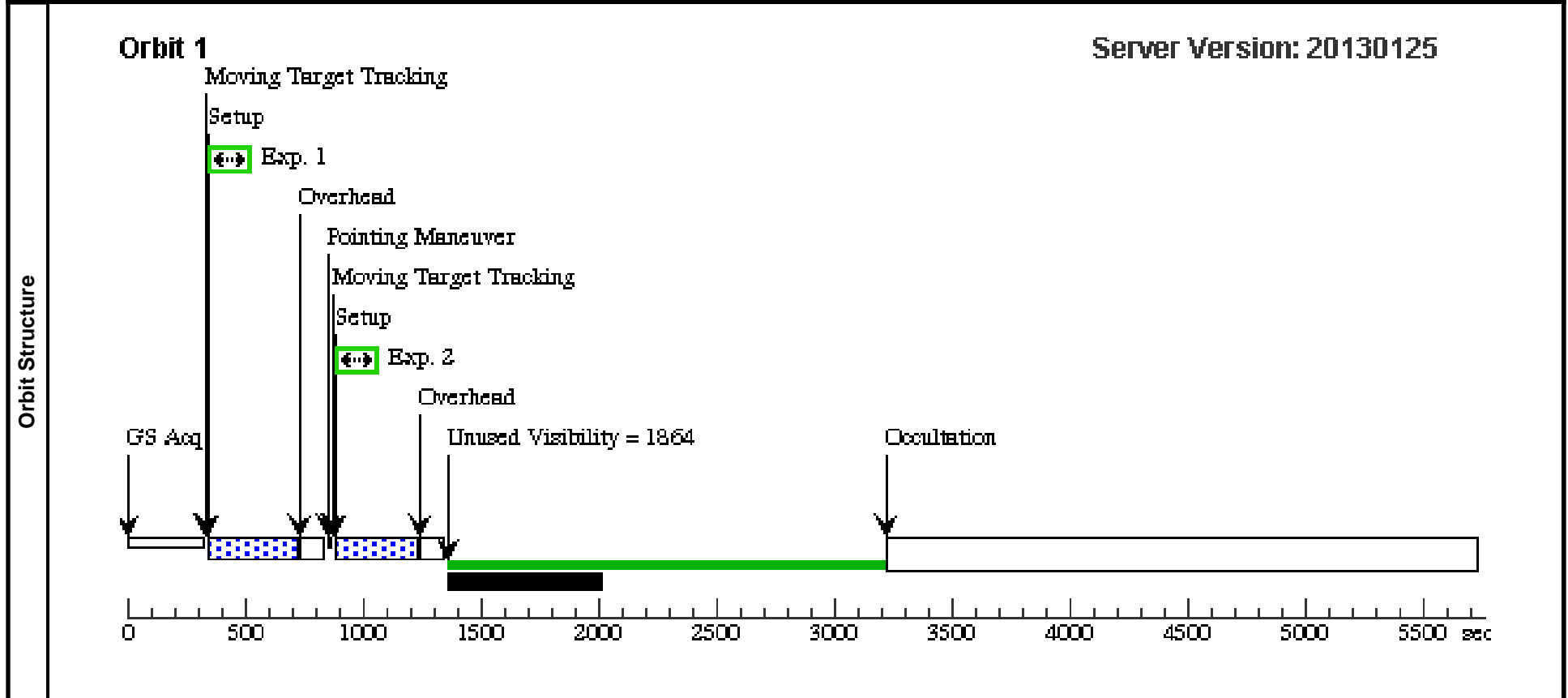
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(35) 04VX130		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(35) 04VX130		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs	
									[==>]	[1]



Visit	Proposal 12468, Visit 36, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(36)	04HY78	TYPE=ASTEROID,A=39.167657313000,E=0.193060686480,I=12.601030534000,O=25.204956959000,W=193.704633500000,M=1.954276788100,EQUI NOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 04HY78 FROM EARTH GT 0.00005
<i>Comments:</i>							
Acquisition Uncertainty: 2.0 Arcsec							

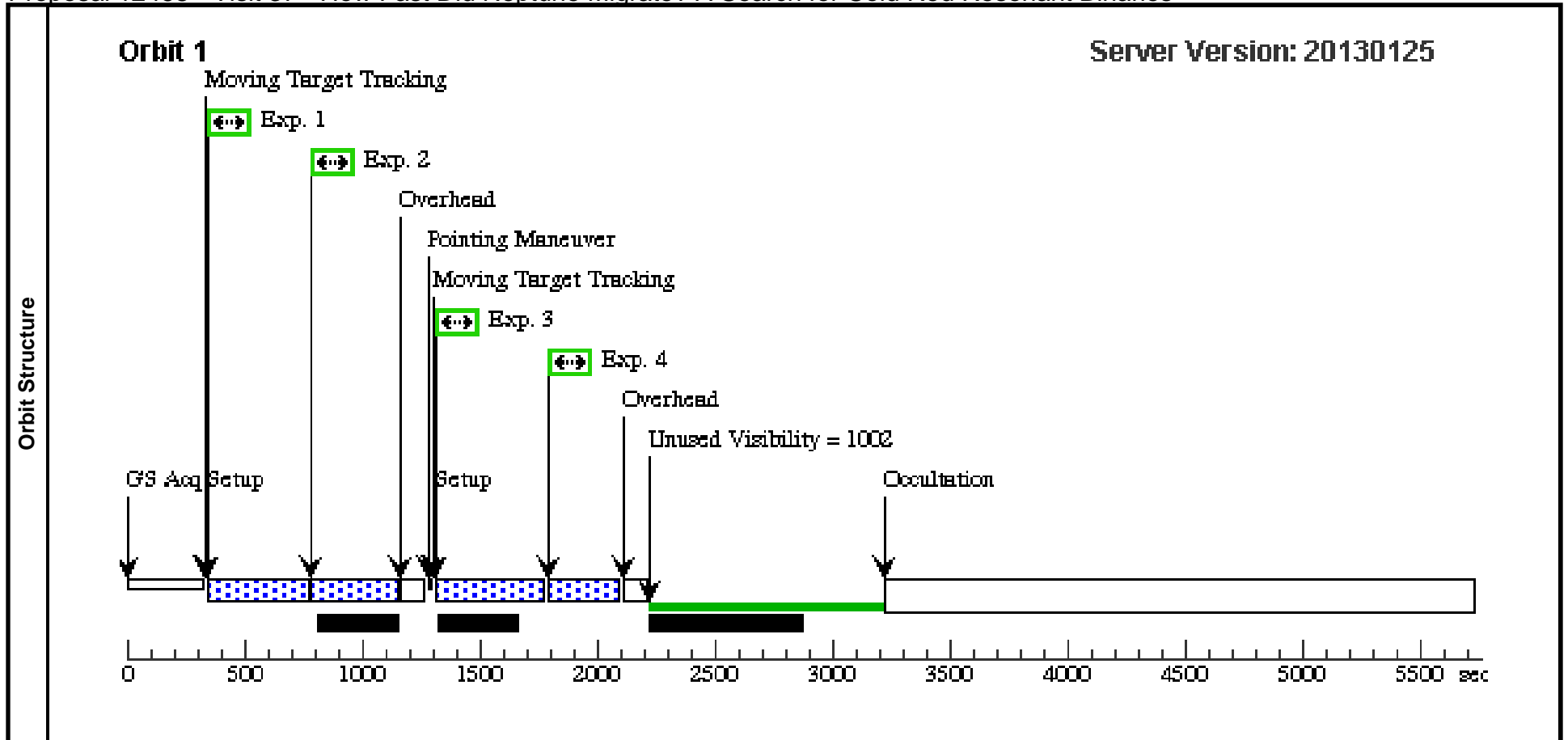
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(36) 04HY78		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(36) 04HY78		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs	
									[==>]	[1]



Proposal 12468 - Visit 37 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:53 GMT 2013

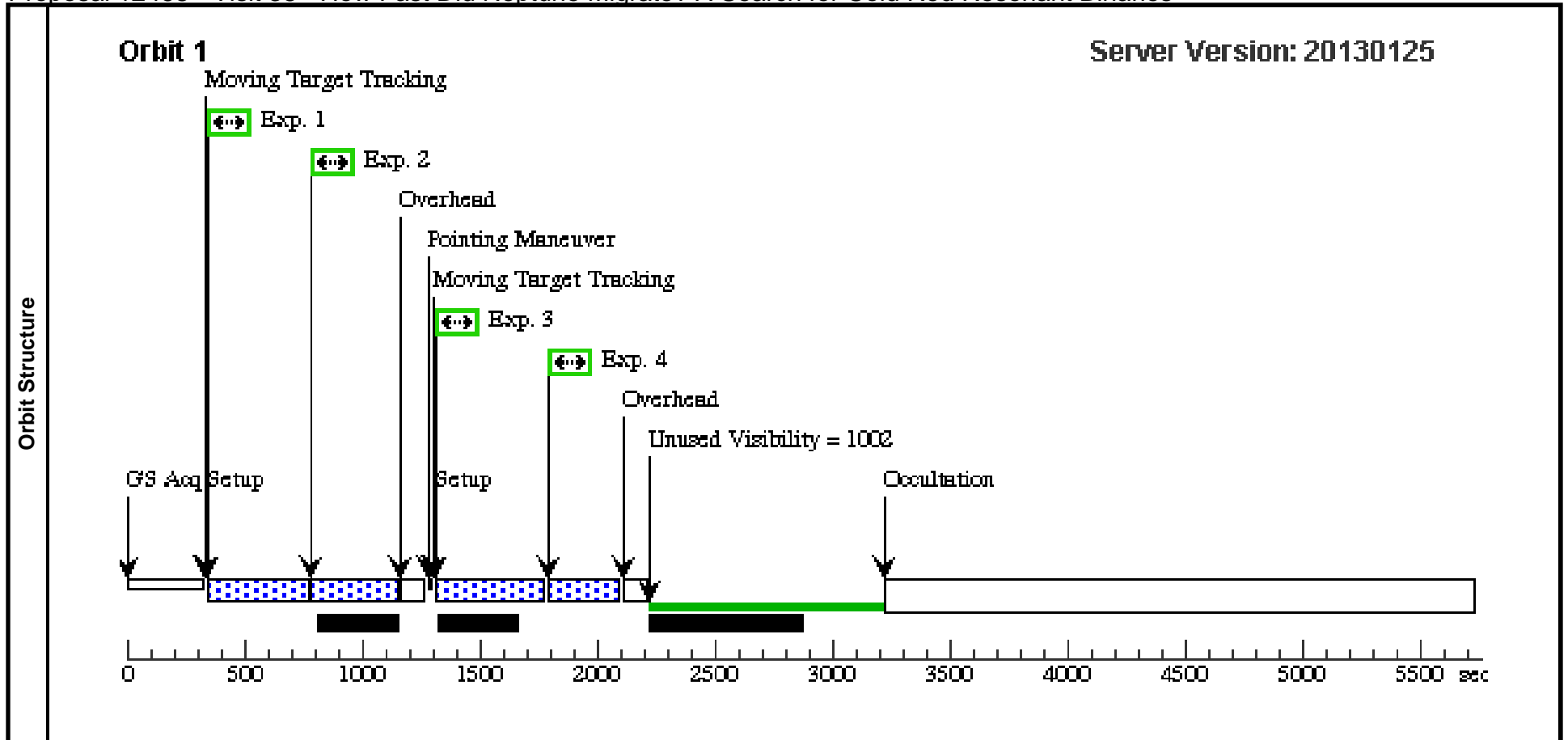
Visit	Proposal 12468, Visit 37, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(37)	04KC19	TYPE=ASTEROID,A=39.1130731990 00,E=0.233282144100,I=5.648298682 600,O=240.623284380000,W=6.83074 2024300,M=1.924964842500,EQUIN OX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04KC19 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.5 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(37) 04KC19	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(37) 04KC19	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(37) 04KC19	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(37) 04KC19	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



Proposal 12468 - Visit 38 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:54 GMT 2013

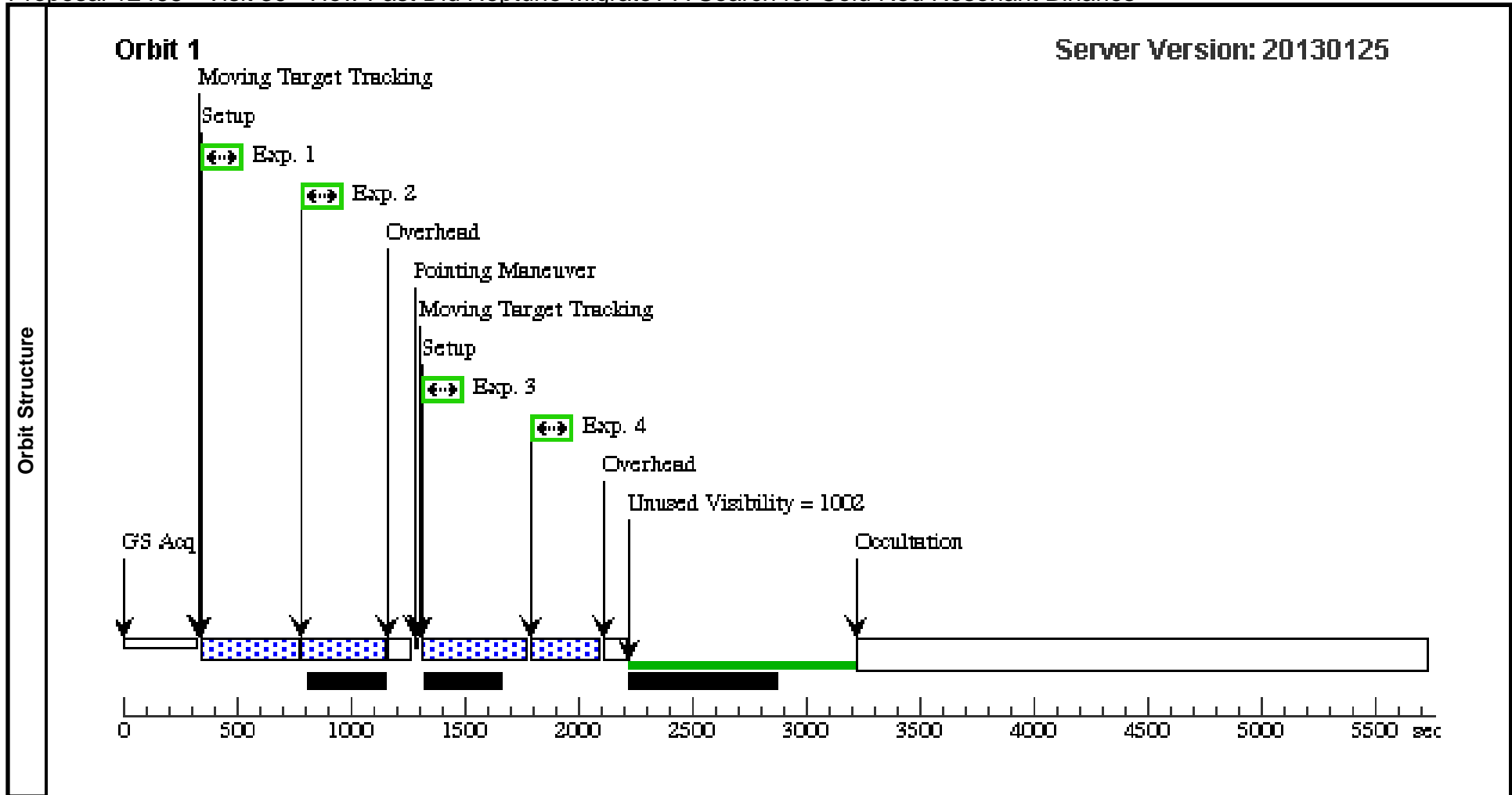
Visit	Proposal 12468, Visit 38, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem	Center	
	(38)	33340	TYPE=ASTEROID,A=39.537465151000,E=0.257205276220,I=3.037134730600,O=127.953782940000,W=323.961489700000,M=358.064463950000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 33340 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.5 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(38) 33340	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(38) 33340	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(38) 33340	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs [==>]	[1]
	4		(38) 33340	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		280 Secs [==>]	[1]



Proposal 12468 - Visit 39 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:55 GMT 2013

Visit	Proposal 12468, Visit 39, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(39)	03HF57	TYPE=ASTEROID,A=39.231370718000,E=0.191845231030,I=1.423031749800,O=48.131928110000,W=122.302026090000,M=32.842607544000,EQUI NOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 03HF57 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.6 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(39) 03HF57	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(39) 03HF57	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(39) 03HF57	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs [==>]	[1]
	4		(39) 03HF57	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		280 Secs [==>]	[1]



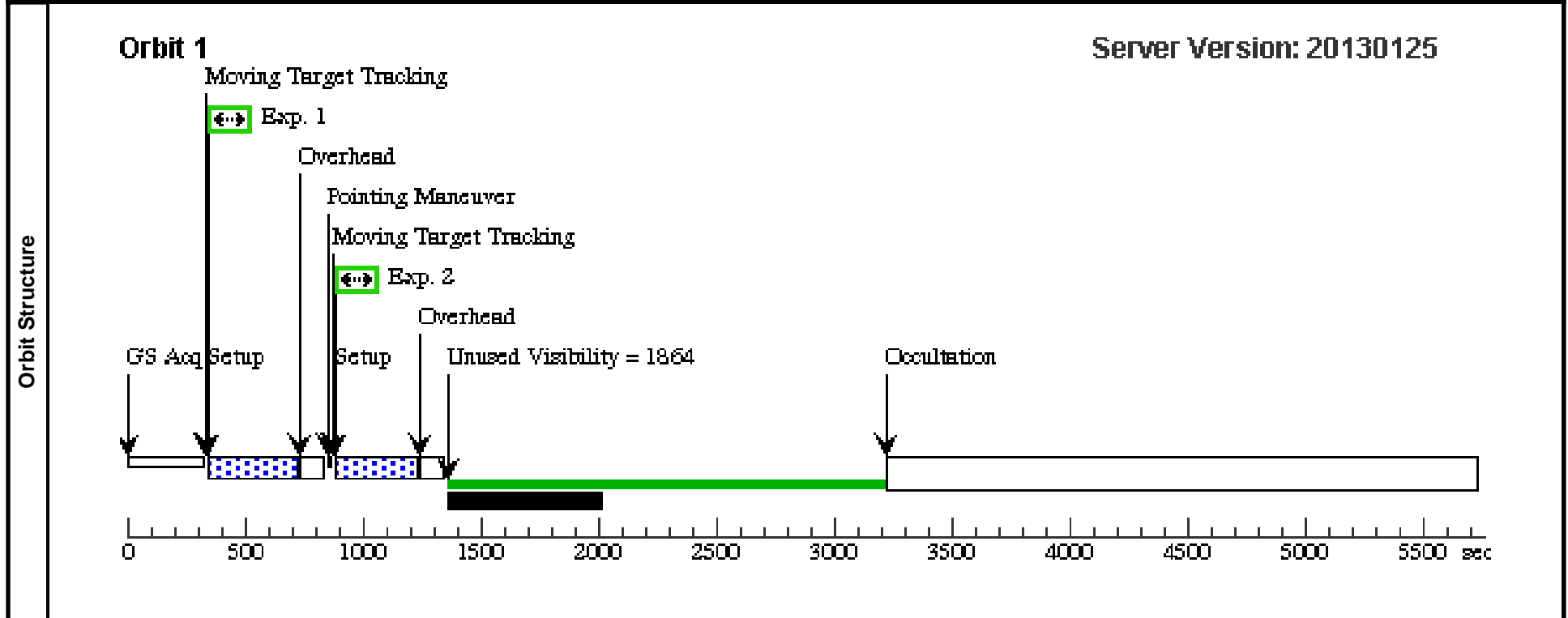
Proposal 12468 - Visit 40 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:56 GMT 2013

Visit	Proposal 12468, Visit 40, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(40)	04EV95	TYPE=ASTEROID,A=39.3720556280 00,E=0.187130186570,I=12.29749974 4000,O=192.193343030000,W=254.65 4191750000,M=107.974792270000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04EV95 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.0 Arcsec</i>							

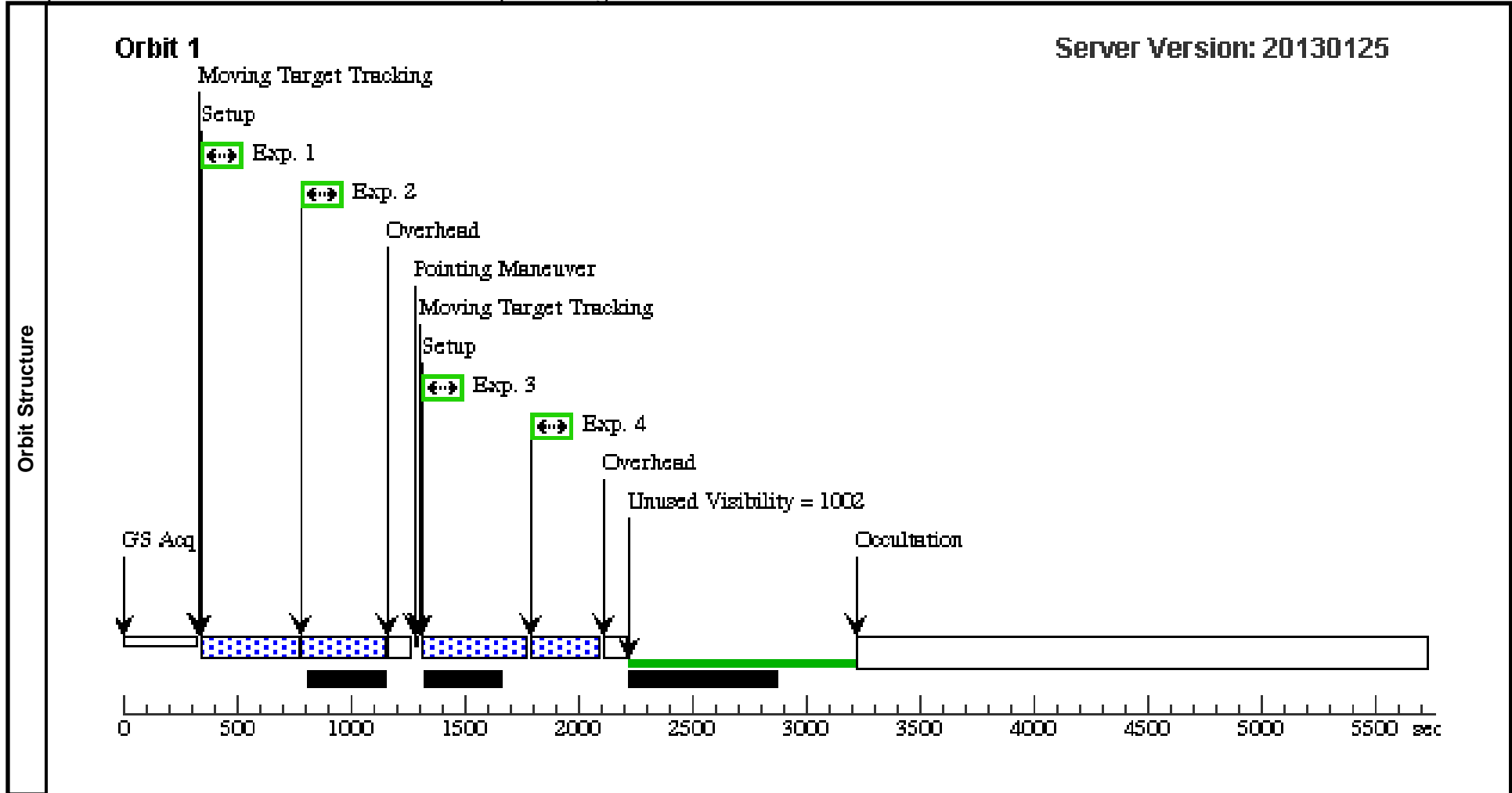
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(40) 04EV95		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]
2		(40) 04EV95		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [=>]	[1]



Proposal 12468 - Visit 41 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:56 GMT 2013

Visit	Proposal 12468, Visit 41, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(41)	01KQ77	TYPE=ASTEROID,A=39.4001304290 00,E=0.155481144590,I=15.64843662 3000,O=248.510988330000,W=65.616 721171000,M=319.707848280000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 01KQ77 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 0.5 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(41) 01KQ77	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(41) 01KQ77	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(41) 01KQ77	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(41) 01KQ77	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



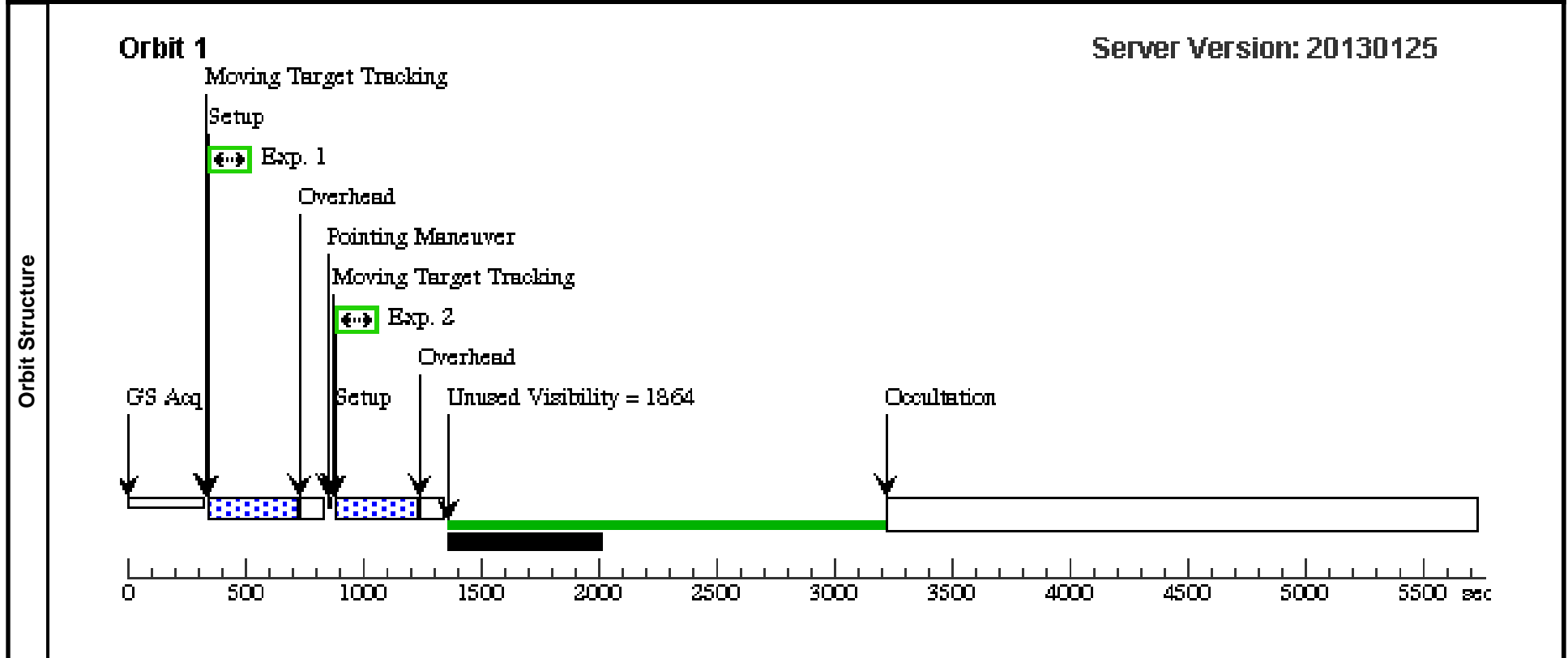
Proposal 12468 - Visit 42 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:57 GMT 2013

Visit	Proposal 12468, Visit 42, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(42)	129746		TYPE=ASTEROID,A=39.1856974540 00,E=0.266192794730,I=1.477263103 100,O=171.640301950000,W=34.5202 74487000,M=0.419661741350,EQUIN OX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 129746 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.5 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(42) 129746		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(42) 129746		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs	
									[==>]	[1]



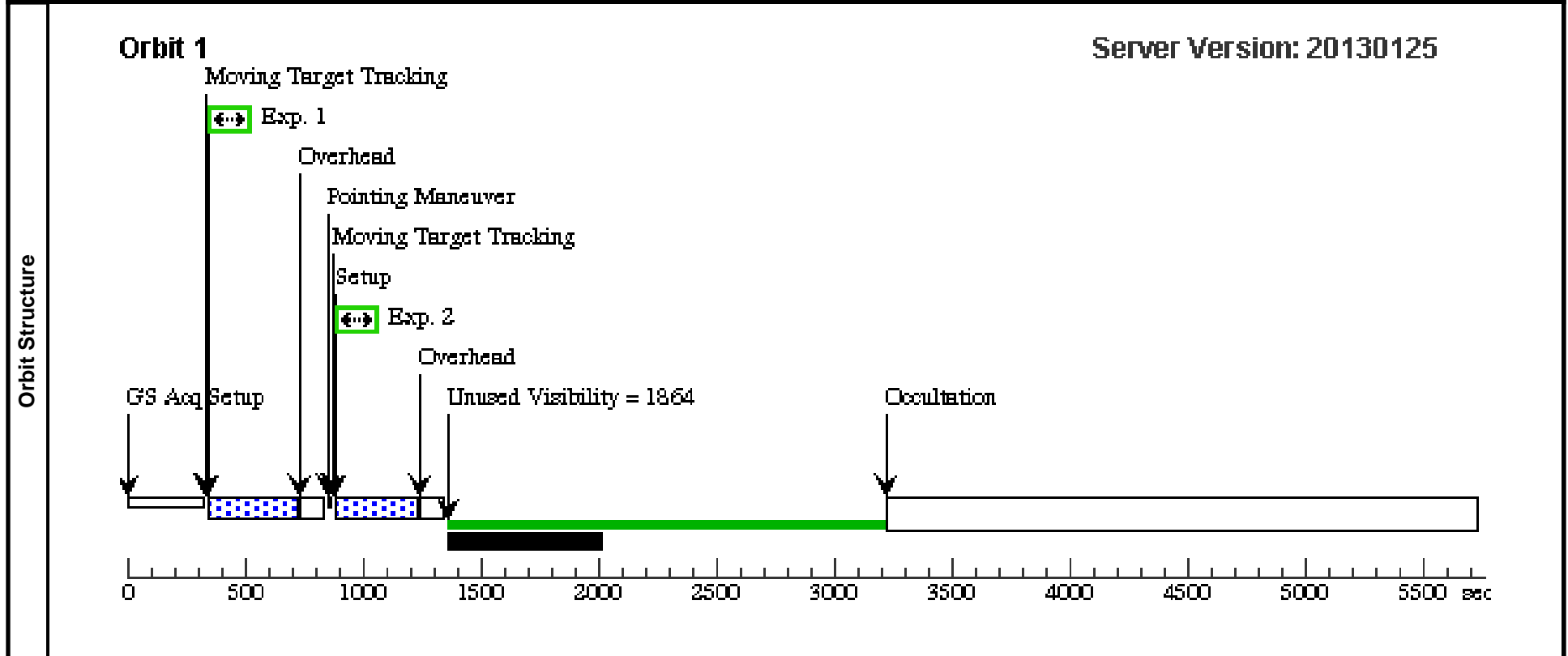
Proposal 12468 - Visit 43 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:58 GMT 2013

Visit	Proposal 12468, Visit 43, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(43)	05EZ300	TYPE=ASTEROID,A=39.4305891850 00,E=0.237081234190,I=10.33638852 3000,O=357.117563240000,W=252.74 6952080000,M=318.276632070000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05EZ300 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.7 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(43) 05EZ300		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(43) 05EZ300		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



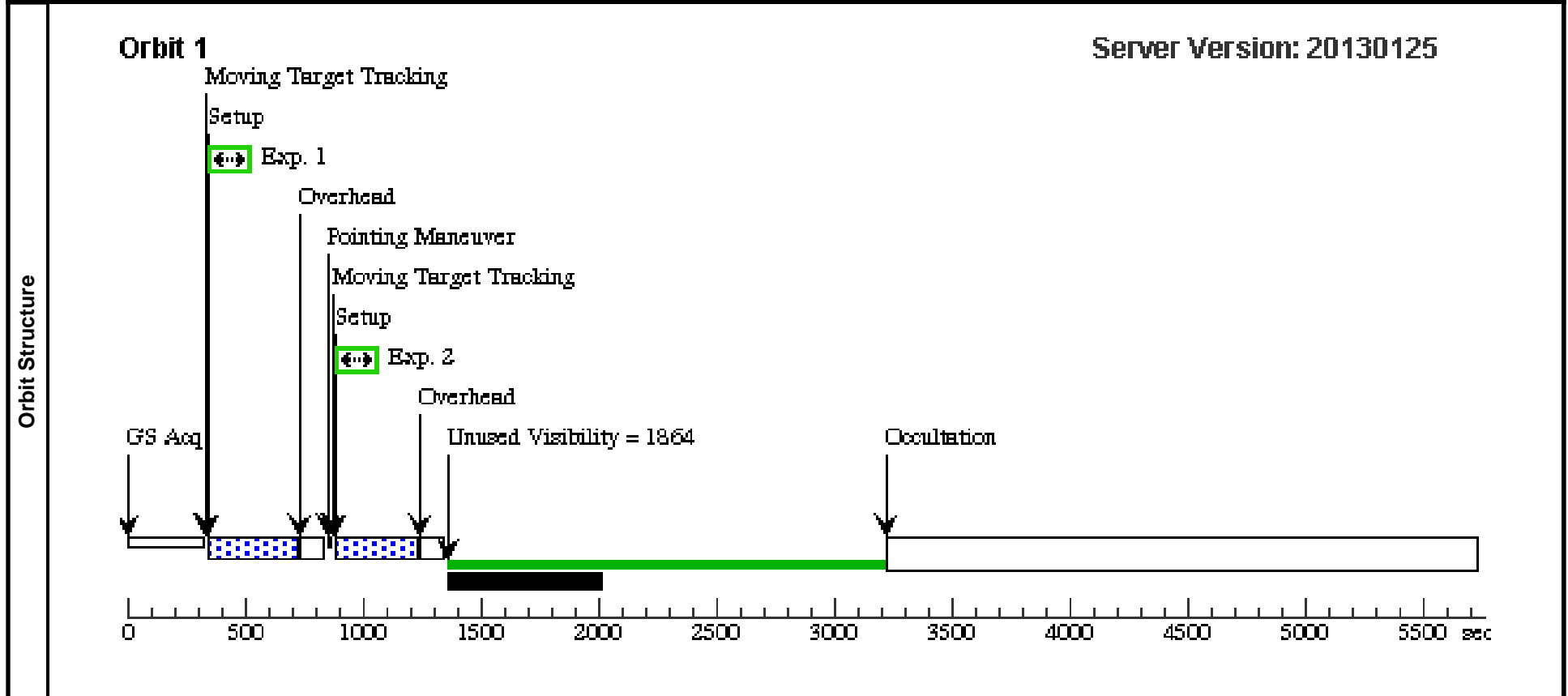
Proposal 12468 - Visit 44 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:08:59 GMT 2013

Visit	Proposal 12468, Visit 44, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(44)	03QB91	TYPE=ASTEROID,A=39.3675575450 00,E=0.190071117920,I=6.495257965 700,O=136.792594080000,W=80.8396 97438000,M=140.435552900000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 03QB91 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.0 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(44) 03QB91		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(44) 03QB91		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



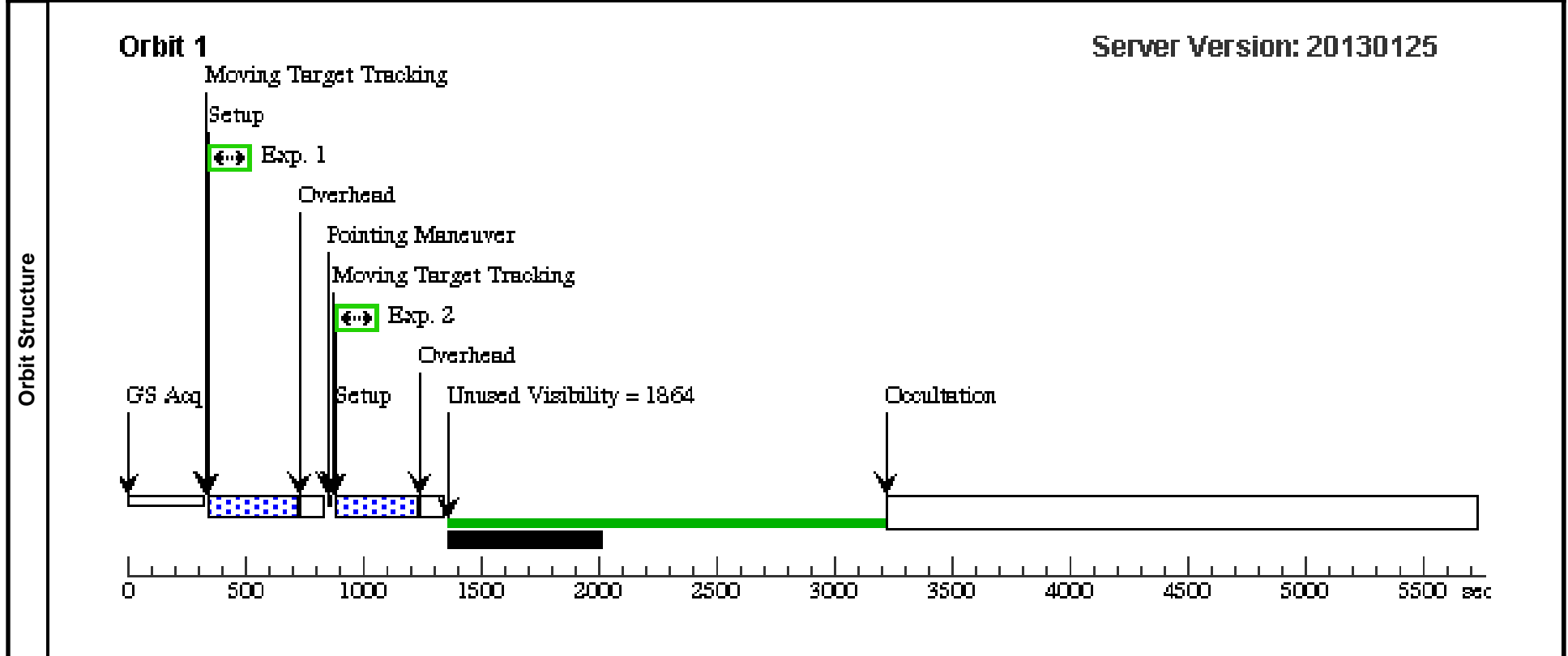
Proposal 12468 - Visit 45 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:00 GMT 2013

Visit	Proposal 12468, Visit 45, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(45)	04HX78	TYPE=ASTEROID,A=39.2879283920 00,E=0.149930719920,I=16.30314394 1000,O=228.998113710000,W=19.209 397733000,M=0.348954409670,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04HX78 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 4.0 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(45) 04HX78		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[=>]	[1]
2		(45) 04HX78		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs	
									[=>]	[1]



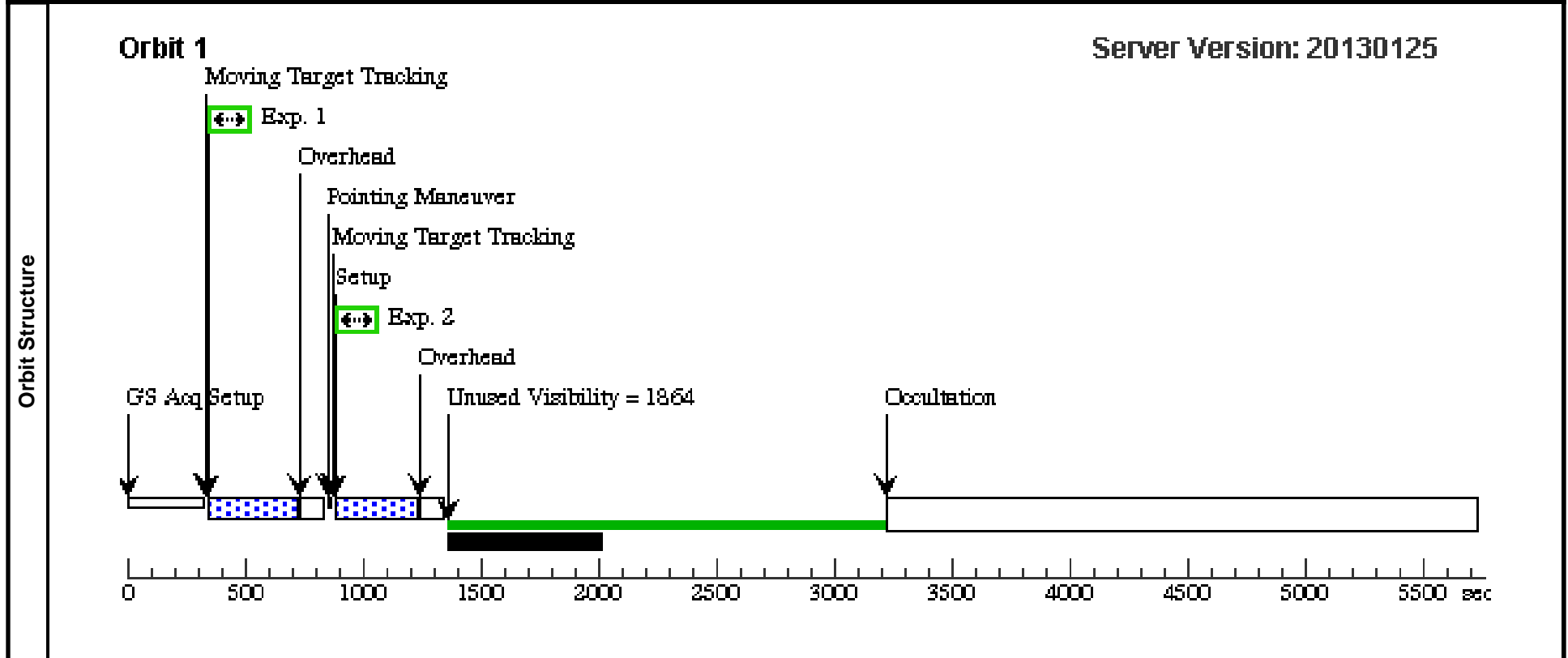
Proposal 12468 - Visit 46 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:00 GMT 2013

Visit	Proposal 12468, Visit 46, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(46)	05CD81	TYPE=ASTEROID,A=39.3059704970 00,E=0.150072253380,I=21.33138191 3000,O=317.863471660000,W=2.9134 80088100,M=185.056173250000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05CD81 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.9 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(46) 05CD81		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]
2		(46) 05CD81		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [=>]	[1]



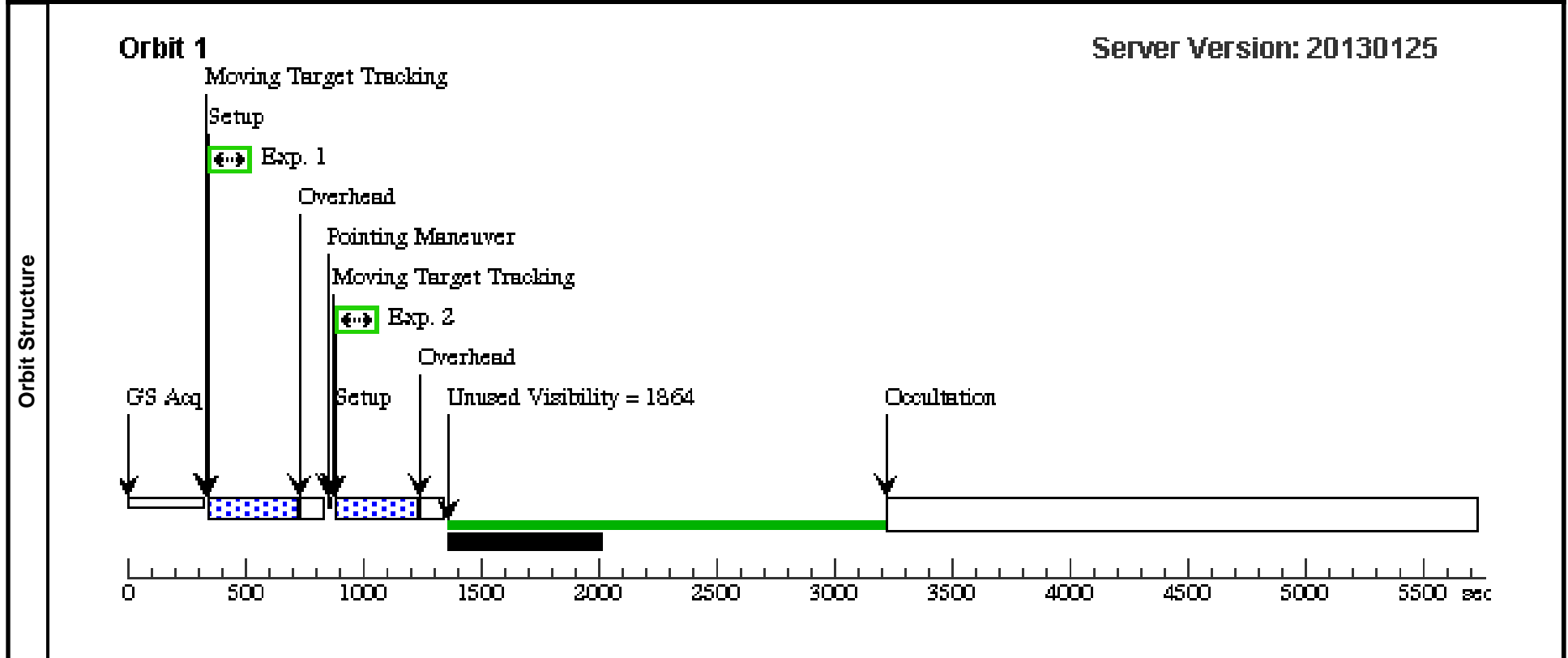
Proposal 12468 - Visit 47 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:01 GMT 2013

Visit	Proposal 12468, Visit 47, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(47)	15789		TYPE=ASTEROID,A=39.742601975000,E=0.186245120660,I=5.155091576200,O=354.638376700000,W=318.646447320000,M=58.641594780000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB			A_VEL 15789 FROM EARTH GT 0.00005
<i>Comments:</i>							
Acquisition Uncertainty: 0.7 Arcsec							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(47) 15789		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(47) 15789		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0.225		350 Secs [==>]	[1]



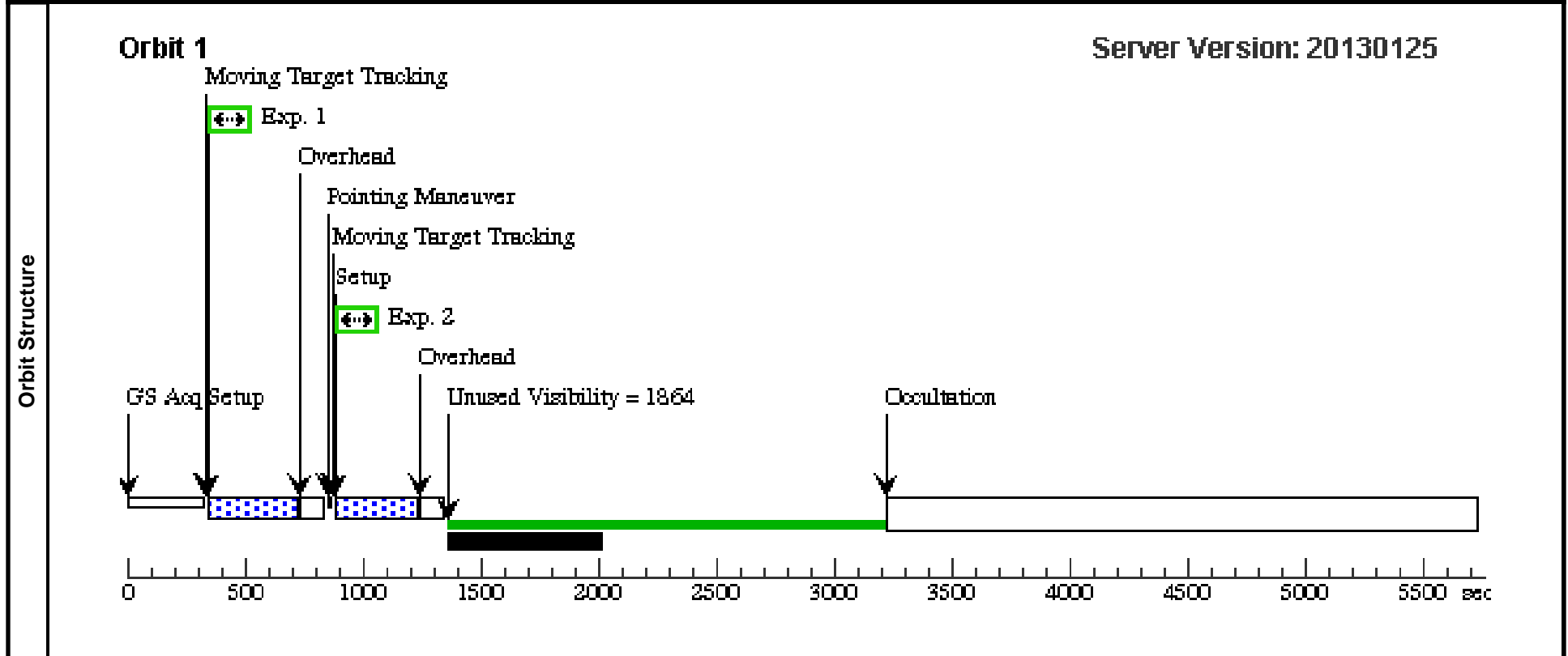
Proposal 12468 - Visit 48 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:02 GMT 2013

Visit	Proposal 12468, Visit 48, completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(48)	96RR20	TYPE=ASTEROID,A=39.6409544140 00,E=0.171377456930,I=5.299828795 500,O=163.523824950000,W=48.6678 37531000,M=136.898163750000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 96RR20 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.2 Arcsec</i>							

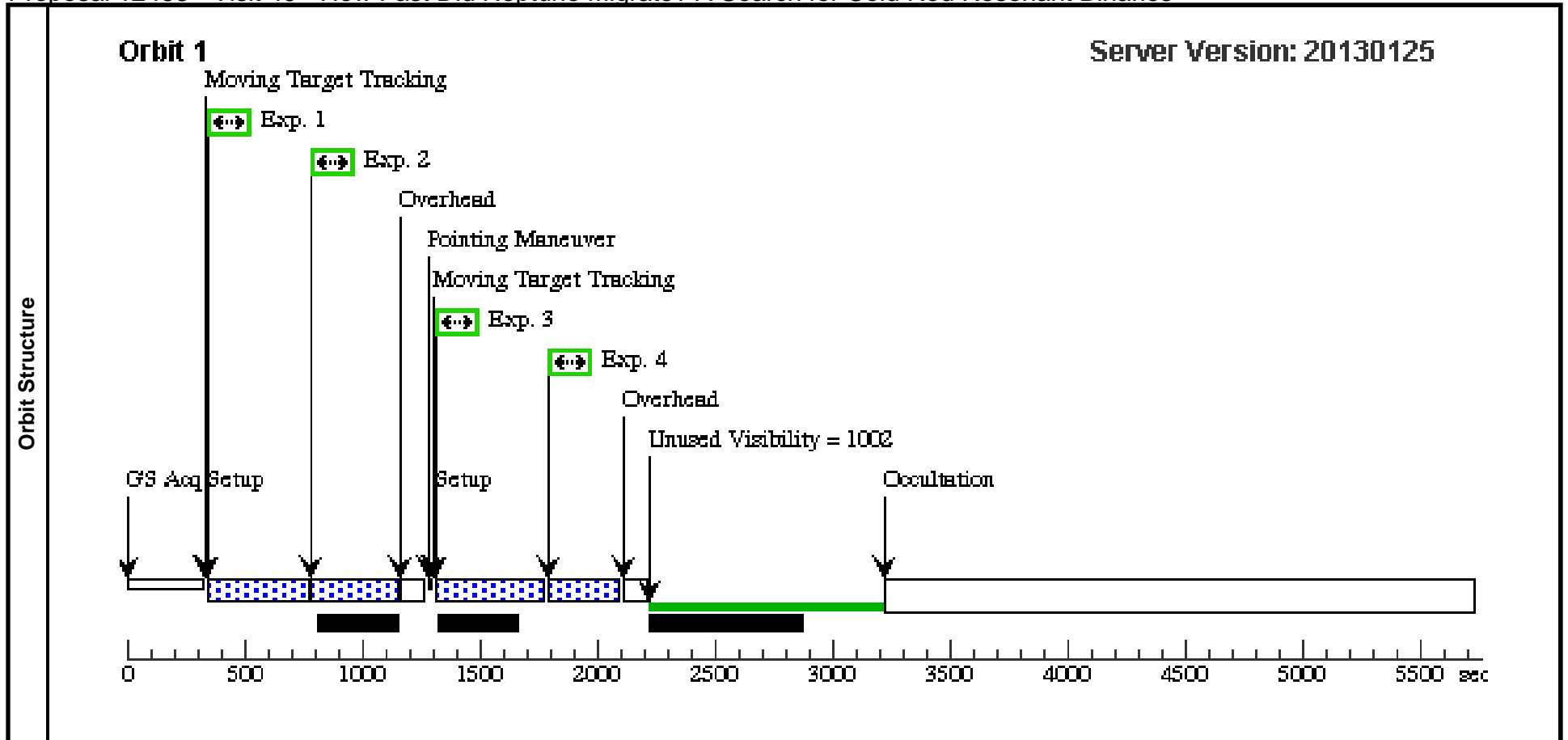
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(48) 96RR20		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(48) 96RR20		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]



Proposal 12468 - Visit 49 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:02 GMT 2013

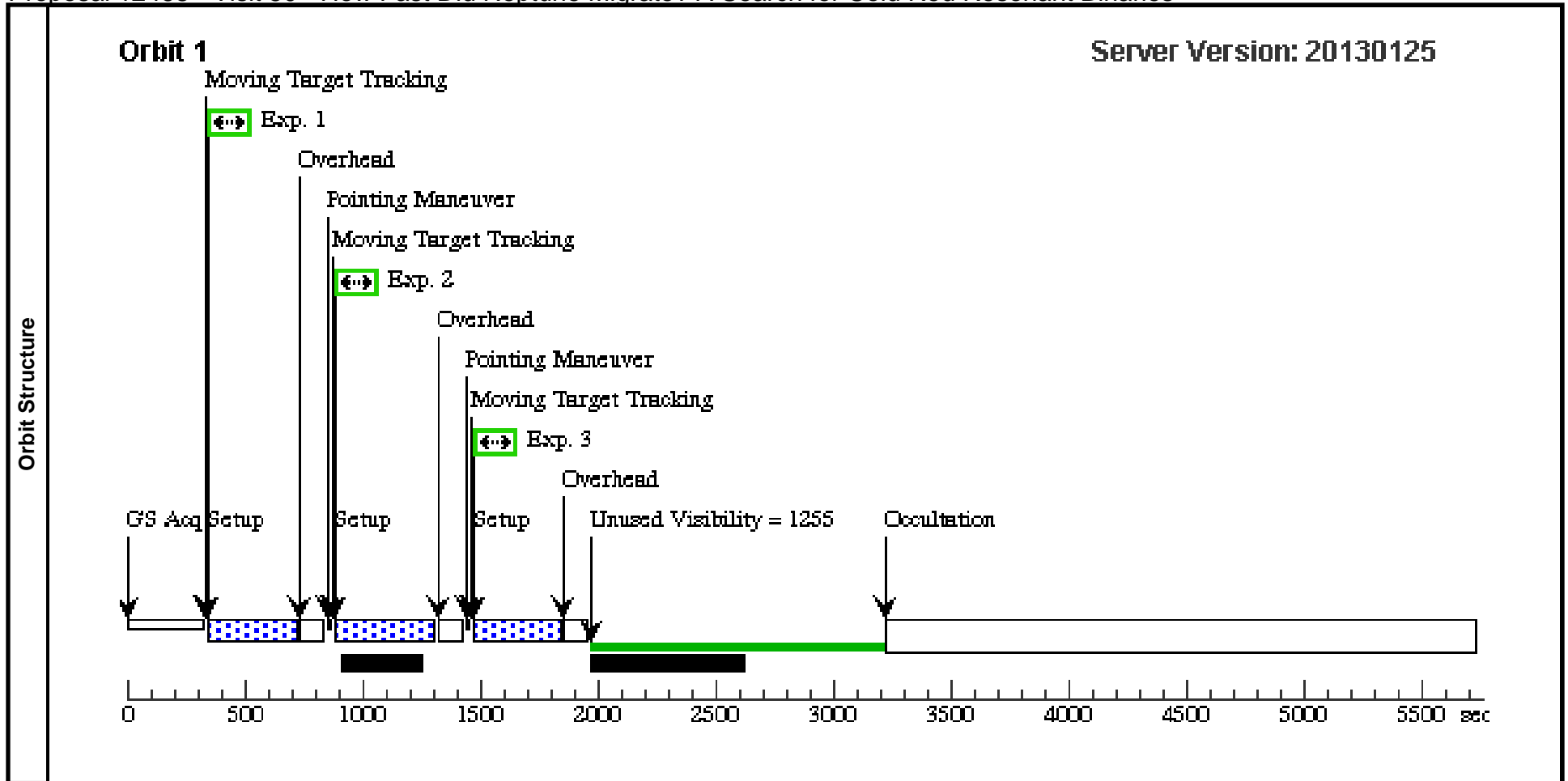
Visit	Proposal 12468, Visit 49, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(49)	169071	TYPE=ASTEROID,A=39.0991883720 00,E=0.188735754580,I=5.641389369 800,O=287.455027380000,W=336.838 530840000,M=332.044805590000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 169071 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 2.8 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(49) 169071	WFC3/UVIS, ACCUM, UVIS1	F814W				280 Secs [==>]	[1]
	2		(49) 169071	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	3		(49) 169071	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.225,0. 225		350 Secs [==>]	[1]
	4		(49) 169071	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		280 Secs [==>]	[1]



Proposal 12468 - Visit 50 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:03 GMT 2013

Visit	Proposal 12468, Visit 50, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(50)	05GV210	TYPE=ASTEROID,A=39.1586697770 00,E=0.172503742720,I=12.02729684 0000,O=174.794023510000,W=259.61 3483240000,M=104.849328060000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05GV210 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 1.3 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(50) 05GV210	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(50) 05GV210	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		400 Secs	
								[==>]	[1]	
3		(50) 05GV210	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs		
								[==>]	[1]	



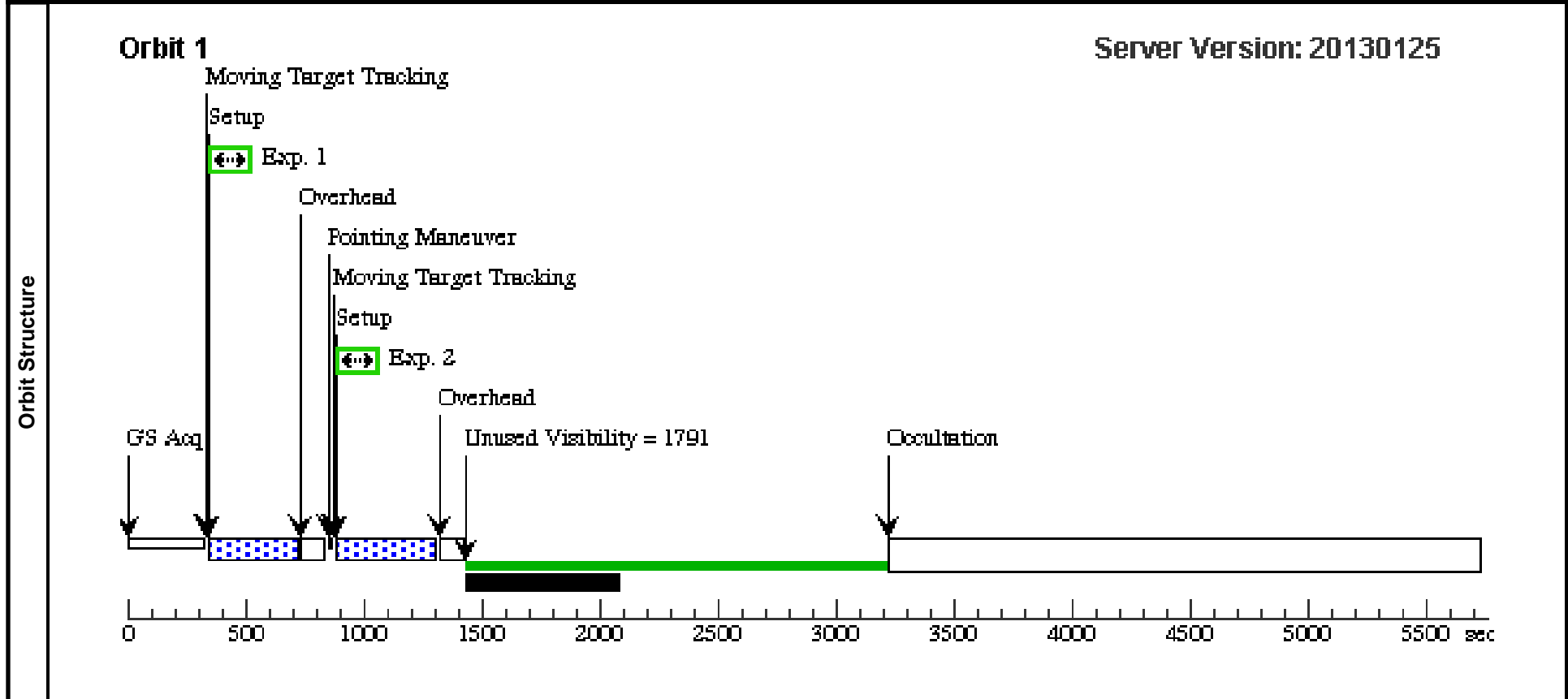
Proposal 12468 - Visit 51 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:04 GMT 2013

Visit	Proposal 12468, Visit 51, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(51)	03QX111	TYPE=ASTEROID,A=39.4431840190 00,E=0.130690702120,I=9.526021226 700,O=157.481312350000,W=102.230 619920000,M=94.014820682000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 03QX111 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.6 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(51) 03QX111		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(51) 03QX111		WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		400 Secs [==>]	[1]



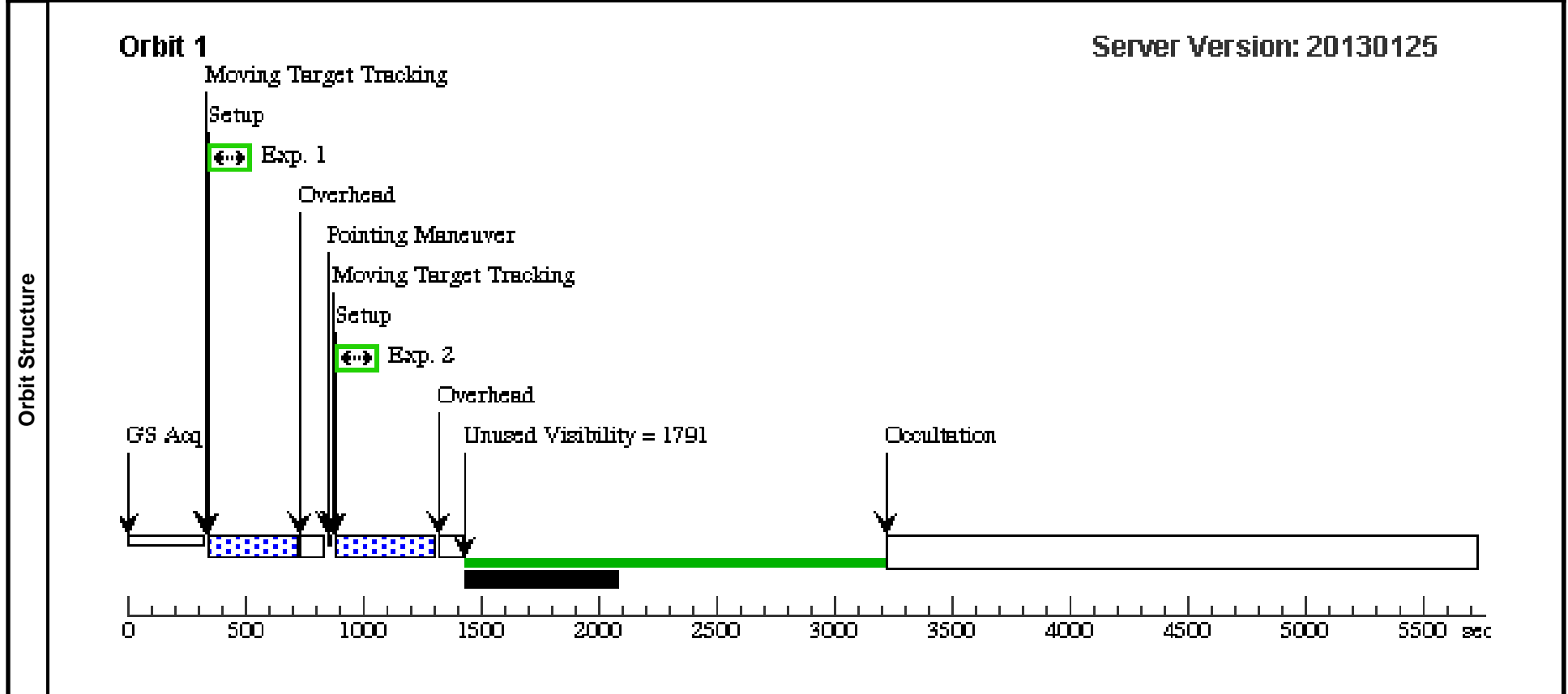
Proposal 12468 - Visit 52 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:05 GMT 2013

Visit	Proposal 12468, Visit 52, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(52)	04HZ78	TYPE=ASTEROID,A=39.445914732000,E=0.148143460920,I=13.329435399000,O=25.776785115000,W=220.899453570000,M=339.941063420000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 04HZ78 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.4 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(52) 04HZ78		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(52) 04HZ78		WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs [==>]	[1]



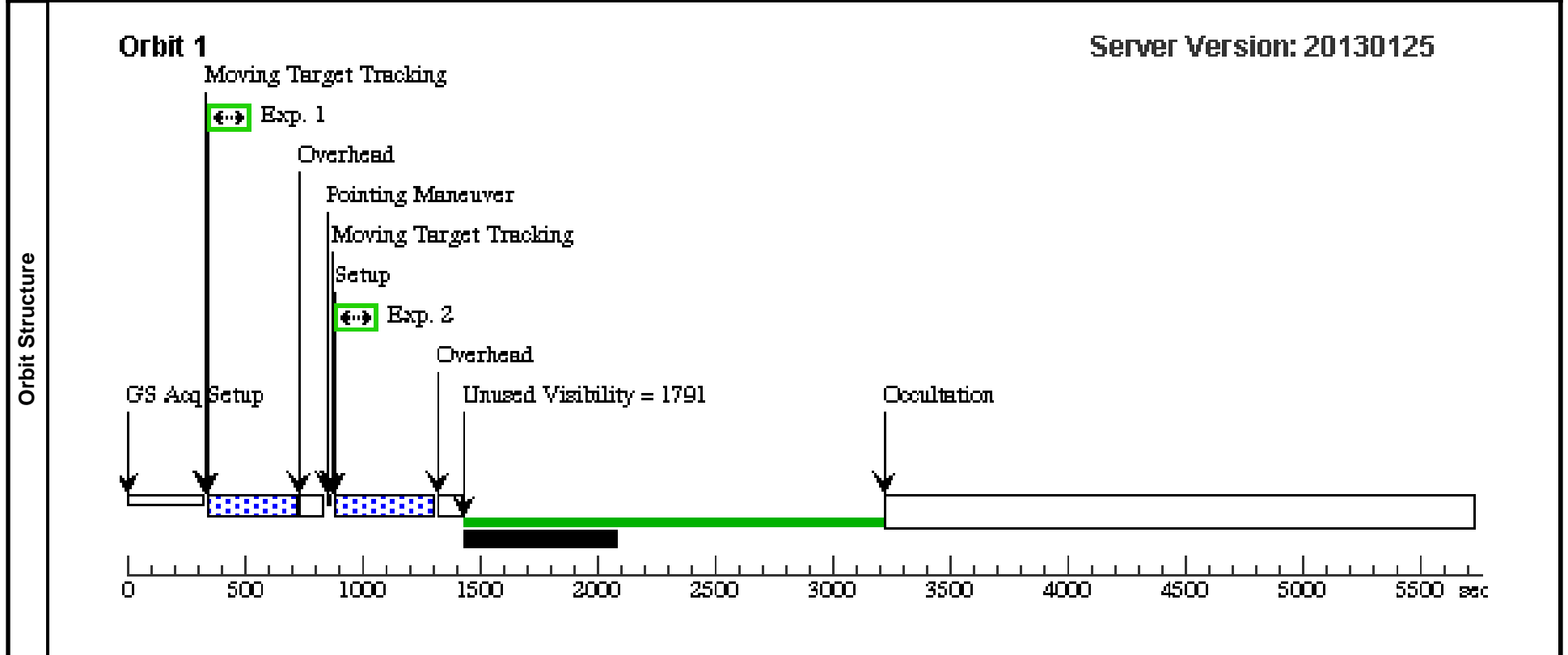
Proposal 12468 - Visit 53 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:06 GMT 2013

Visit	Proposal 12468, Visit 53, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(53)	02VD138	TYPE=ASTEROID,A=39.7430846390 00,E=0.150224061640,I=2.782569549 000,O=315.210753020000,W=41.3453 43942000,M=44.449554072000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 02VD138 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.6 Arcsec</i>							

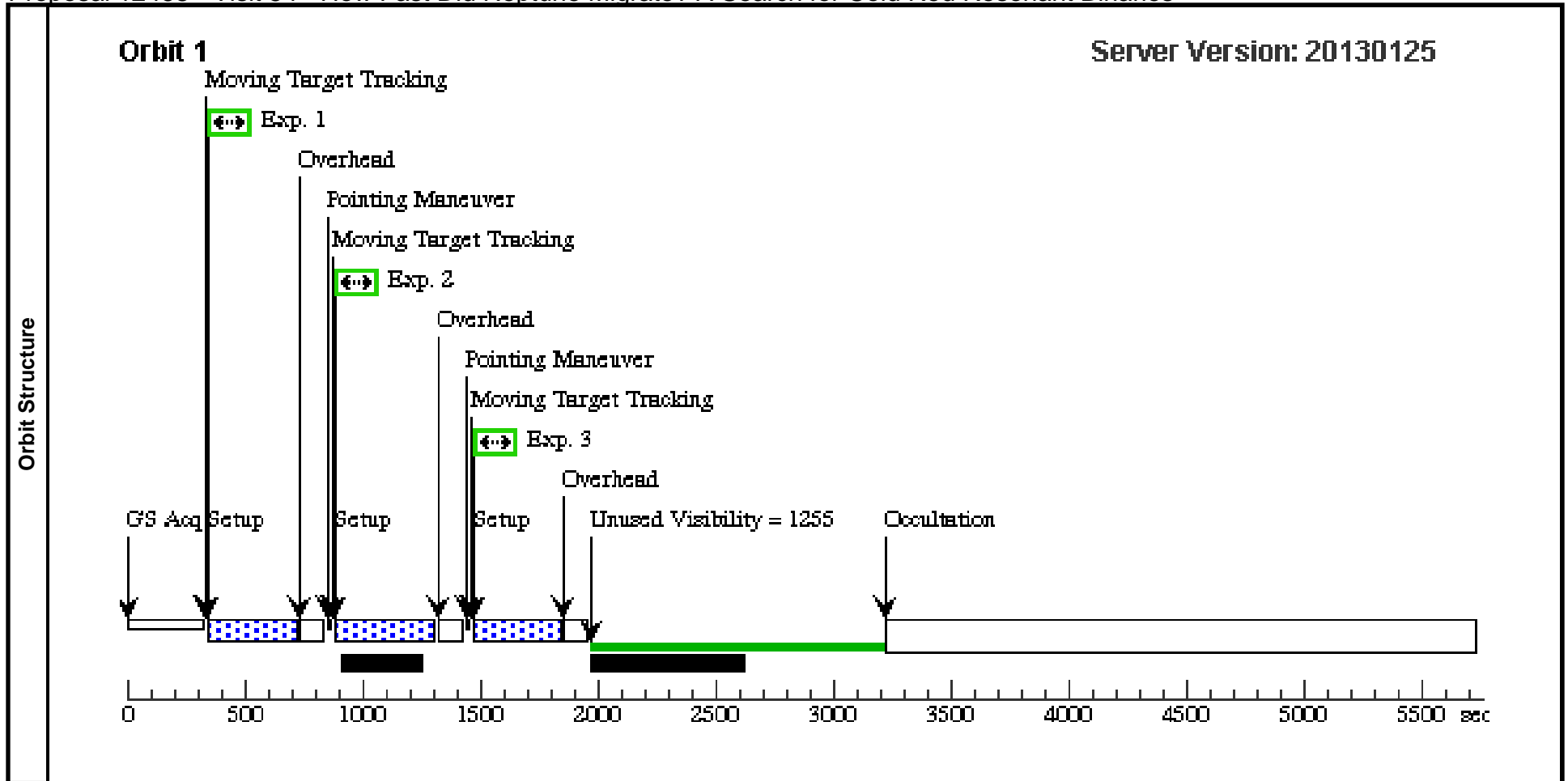
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(53) 02VD138		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]
2		(53) 02VD138		WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		400 Secs [=>]	[1]



Proposal 12468 - Visit 54 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:06 GMT 2013

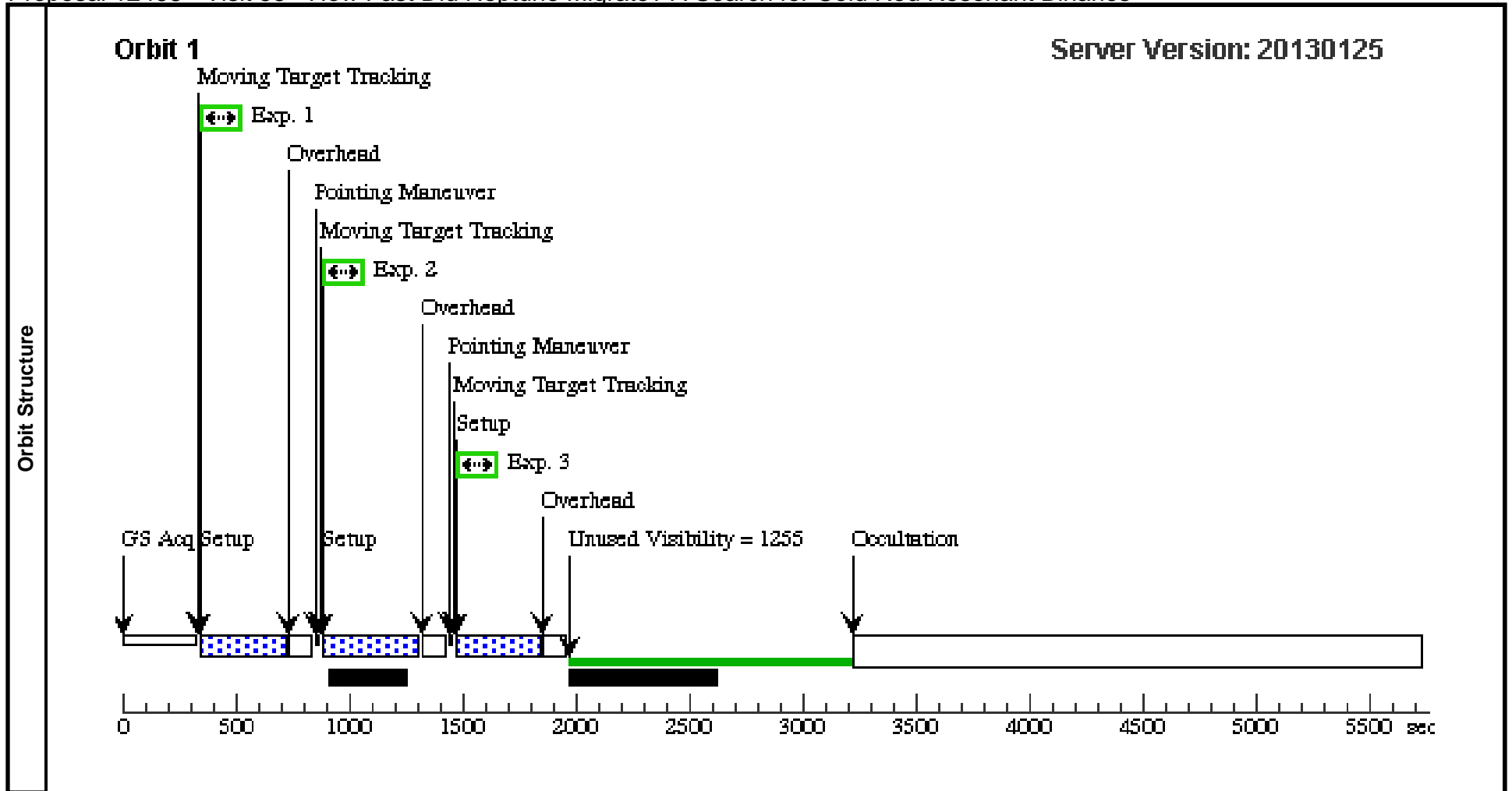
Visit	Proposal 12468, Visit 54, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(54)	03QH91	TYPE=ASTEROID,A=39.4439319110 00,E=0.148711275890,I=3.669042871 600,O=286.846286960000,W=266.245 687840000,M=117.973323520000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 03QH91 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 2.8 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(54) 03QH91	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(54) 03QH91	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		400 Secs	
								[==>]	[1]	
3		(54) 03QH91	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs		
								[==>]	[1]	



Proposal 12468 - Visit 55 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:07 GMT 2013

Visit	Proposal 12468, Visit 55, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(55)	01XD255	TYPE=ASTEROID,A=39.5195794570 00,E=0.108043678530,I=18.07553910 3000,O=106.655991230000,W=108.66 5726130000,M=277.526859940000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 01XD255 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.3 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(55) 01XD255	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(55) 01XD255	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs	
								[==>]	[1]	
3		(55) 01XD255	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs		
								[==>]	[1]	



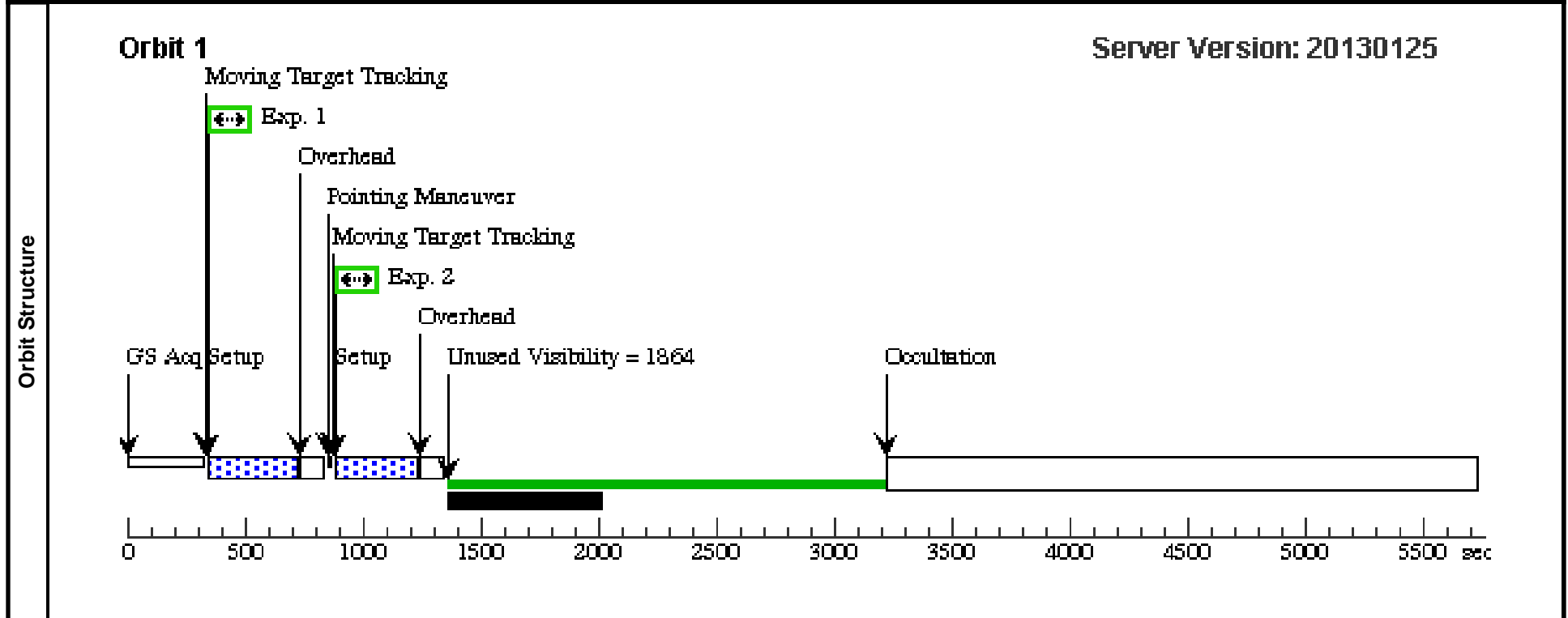
Proposal 12468 - Visit 56 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:08 GMT 2013

Visit	Proposal 12468, Visit 56, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(56)	10EL139	TYPE=ASTEROID,A=39.2351456440 00,E=0.064652091195,I=22.99459875 4000,O=331.089145550000,W=202.92 8768560000,M=28.805555426000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 10EL139 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.4 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(56)	10EL139	10EL139	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[=>]	[1]
2	(56)	10EL139	10EL139	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[=>]	[1]



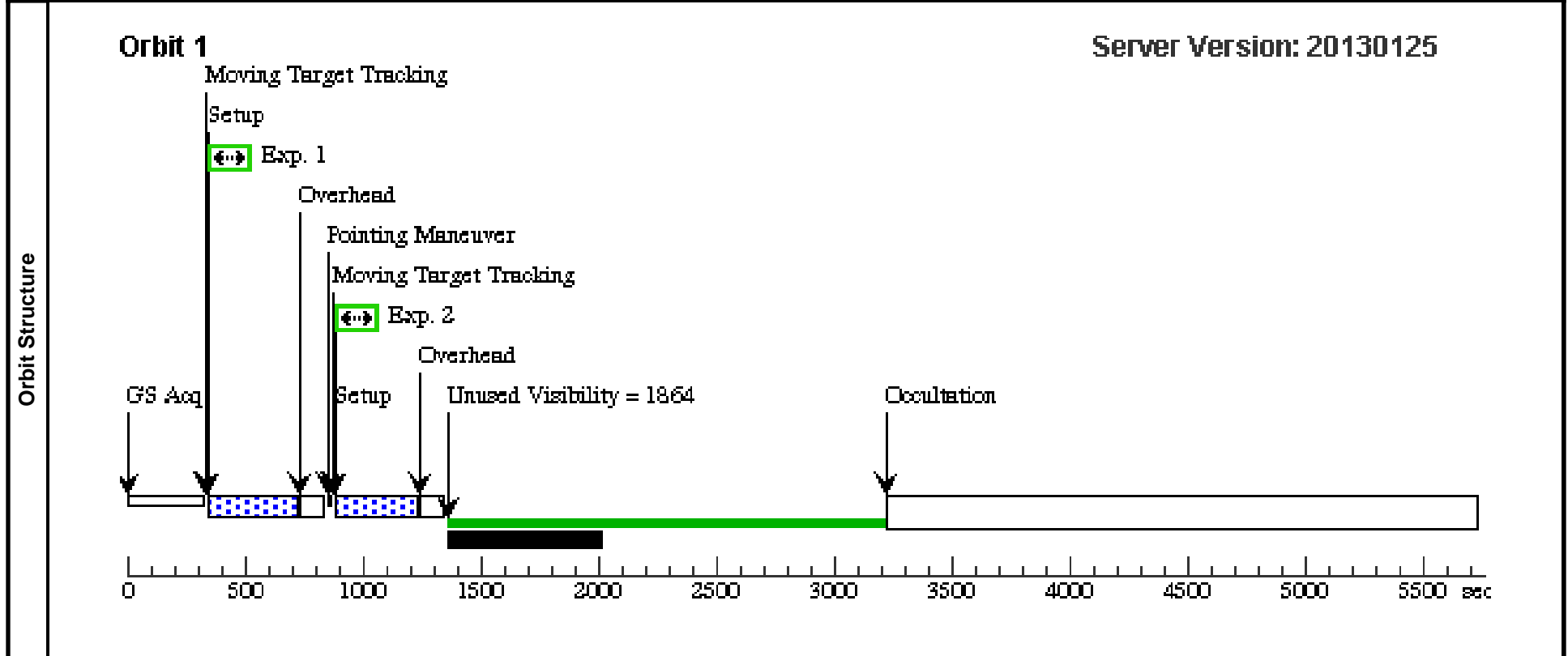
Proposal 12468 - Visit 57 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:09 GMT 2013

Visit	Proposal 12468, Visit 57, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(57)	01KD77	TYPE=ASTEROID,A=39.4217068110 00,E=0.111329830710,I=2.251211285 800,O=139.170706840000,W=88.9439 70654000,M=32.935979952000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 01KD77 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 4.4 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(57) 01KD77		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(57) 01KD77		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



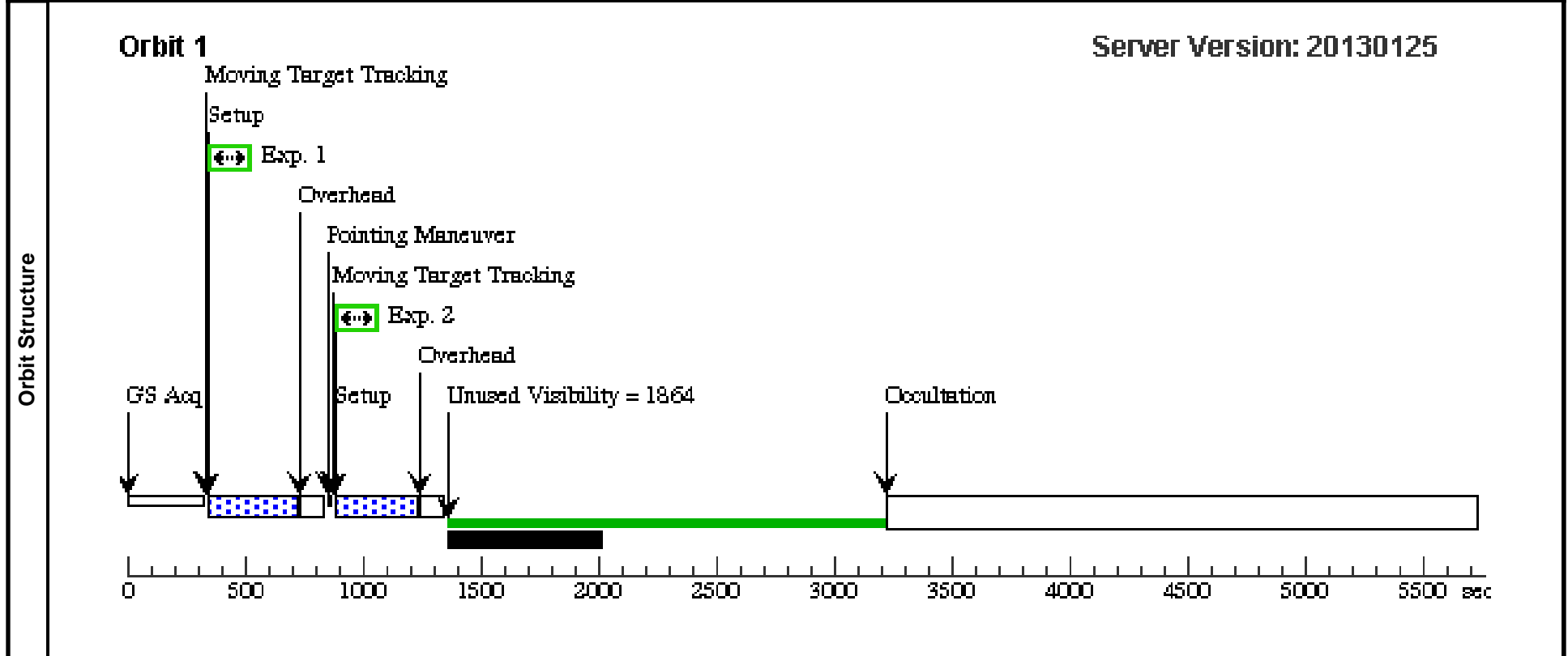
Proposal 12468 - Visit 58 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:10 GMT 2013

Visit	Proposal 12468, Visit 58, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(58)	143751		TYPE=ASTEROID,A=42.4974110520 00,E=0.257966781380,I=7.642100051 300,O=29.201327535000,W=347.5538 40310000,M=10.268598259000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 143751 FROM EARTH GT 0.00005
<i>Comments:</i>							
Acquisition Uncertainty: 2.2 Arcsec							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(58) 143751		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(58) 143751		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[==>]	[1]



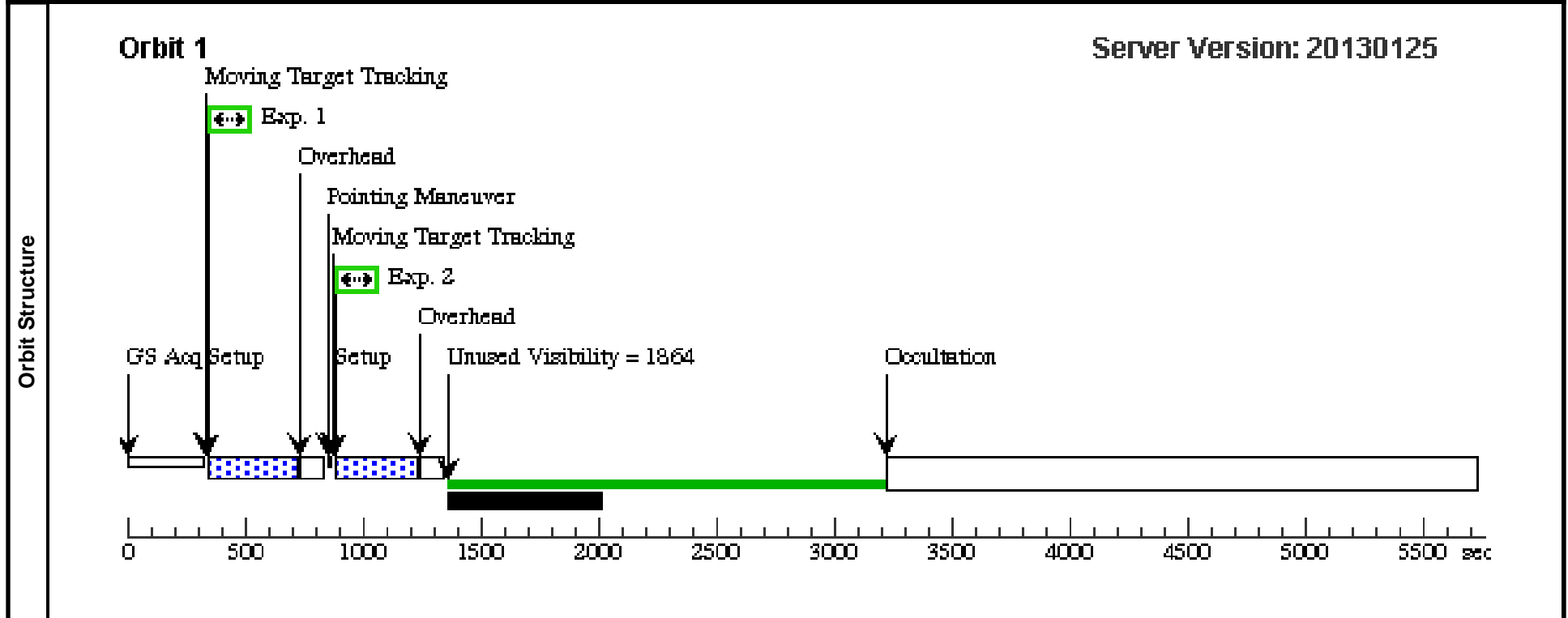
Proposal 12468 - Visit 59 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:10 GMT 2013

Visit	Proposal 12468, Visit 59, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(59)	15809		TYPE=ASTEROID,A=42.086935503000,E=0.215087984010,I=14.065711695000,O=56.386161622000,W=237.863586250000,M=345.153312030000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB			A_VEL 15809 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.9 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(59) 15809		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(59) 15809		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs	
									[==>]	[1]



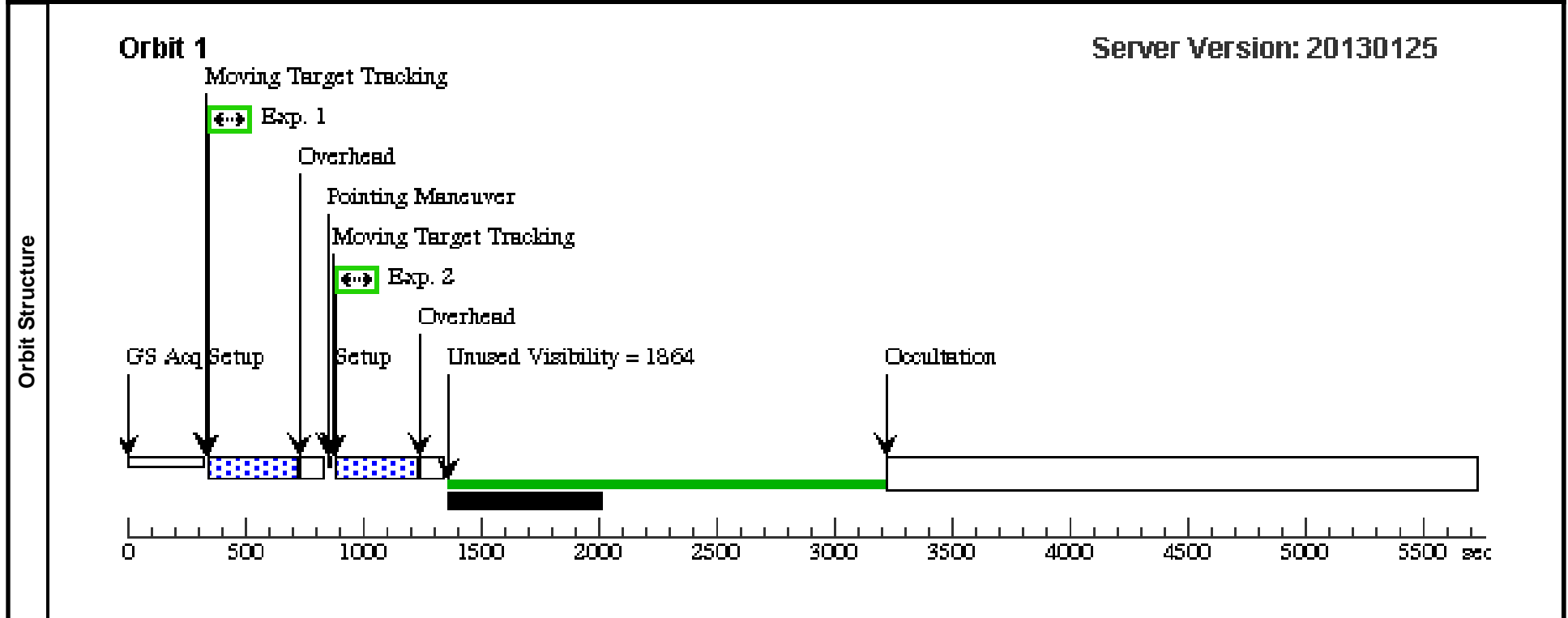
Proposal 12468 - Visit 60 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:11 GMT 2013

Visit	Proposal 12468, Visit 60, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(60)	99CX131	TYPE=ASTEROID,A=42.285874823000,E=0.233179346550,I=9.751549882600,O=127.976432190000,W=109.894090390000,M=295.889740700000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 99CX131 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 39.9 Arcsec</i>							

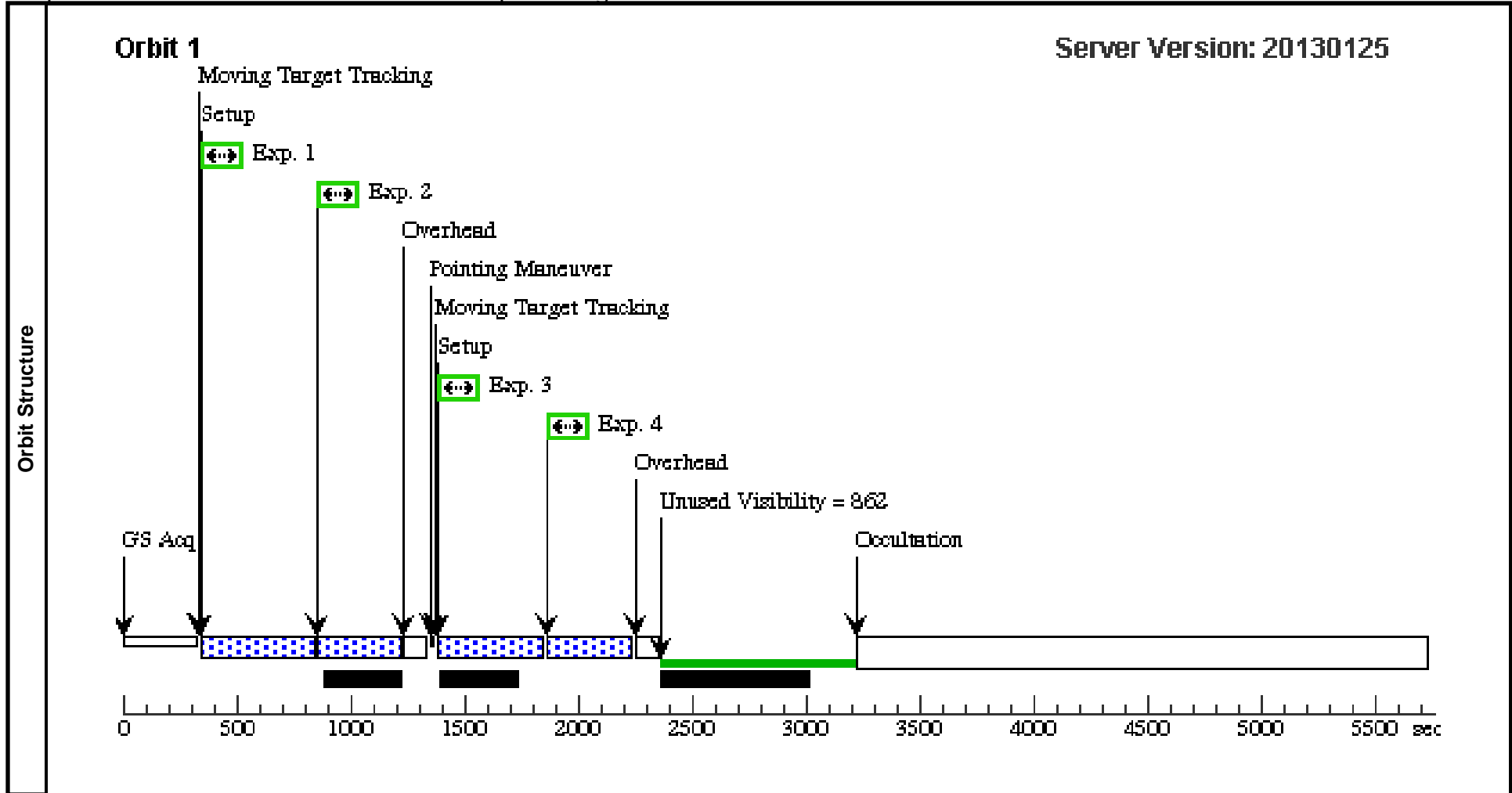
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(60) 99CX131	WFC3/UVIS, ACCUM, UVIS1	F606W					350 Secs
									[=>]	[1]
2		(60) 99CX131	WFC3/UVIS, ACCUM, UVIS1	F606W			POS TARG 0.45,0.45		350 Secs	
									[=>]	[1]



Proposal 12468 - Visit 61 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:12 GMT 2013

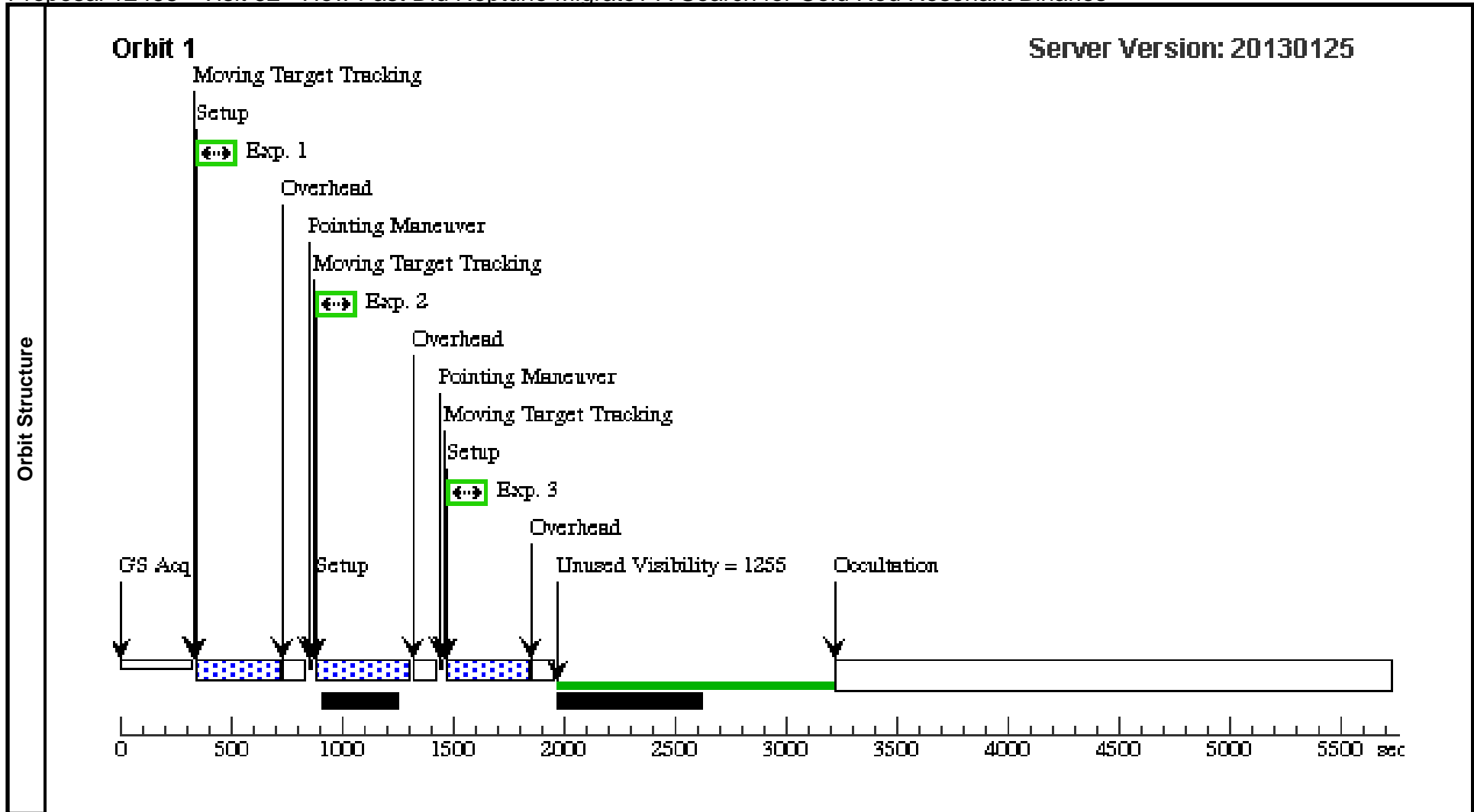
Visit	Proposal 12468, Visit 61, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Solar System Targets										
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
(61)	149349	TYPE=ASTEROID,A=42.5684426090 00,E=0.242773806110,I=7.052315665 600,O=224.503611240000,W=253.448 436180000,M=310.118777250000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 149349 FROM EARTH GT 0.00005	EARTH				
Comments: Acquisition Uncertainty: 4.4 Arcsec											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(61) 149349	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]	
2		(61) 149349	WFC3/UVIS, ACCUM, UVIS1	F814W				350 Secs [==>]	[1]		
3		(61) 149349	WFC3/UVIS, ACCUM, UVIS1	F814W			POS TARG 0.225,0. 225	350 Secs [==>]	[1]		
4		(61) 149349	WFC3/UVIS, ACCUM, UVIS1	F606W			POS TARG 0.225,0. 225	350 Secs [==>]	[1]		



Proposal 12468 - Visit 62 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:13 GMT 2013

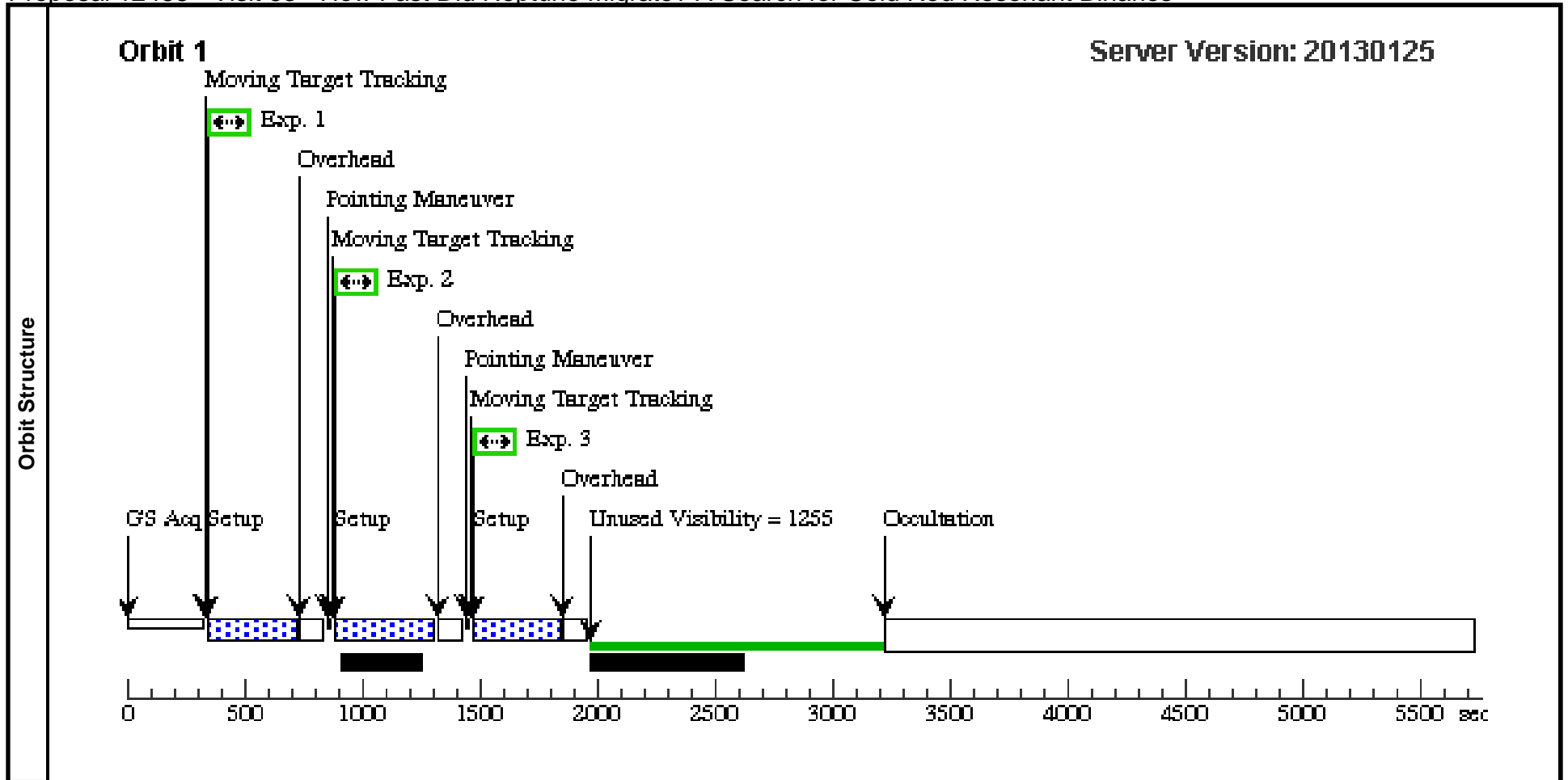
Visit	Proposal 12468, Visit 62, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(62)	00PL30	TYPE=ASTEROID,A=42.1673318210 00,E=0.245338930340,I=5.859664889 700,O=326.049477030000,W=138.239 902380000,M=248.458007280000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 00PL30 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 4.2 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(62) 00PL30	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	2		(62) 00PL30	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs [==>]	[1]
	3		(62) 00PL30	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs [==>]	[1]



Proposal 12468 - Visit 63 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:13 GMT 2013

Visit	Proposal 12468, Visit 63, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets									
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
(63)	08CS190	TYPE=ASTEROID,A=42.2941188280 00,E=0.156603356550,I=15.91561785 2000,O=326.641540130000,W=153.85 9573510000,M=24.515813857000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 08CS190 FROM EARTH GT 0.00005	EARTH			
Comments: Acquisition Uncertainty: 19.6 Arcsec										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(63) 08CS190	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(63) 08CS190	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs	
								[==>]	[1]	
3		(63) 08CS190	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs		
								[==>]	[1]	



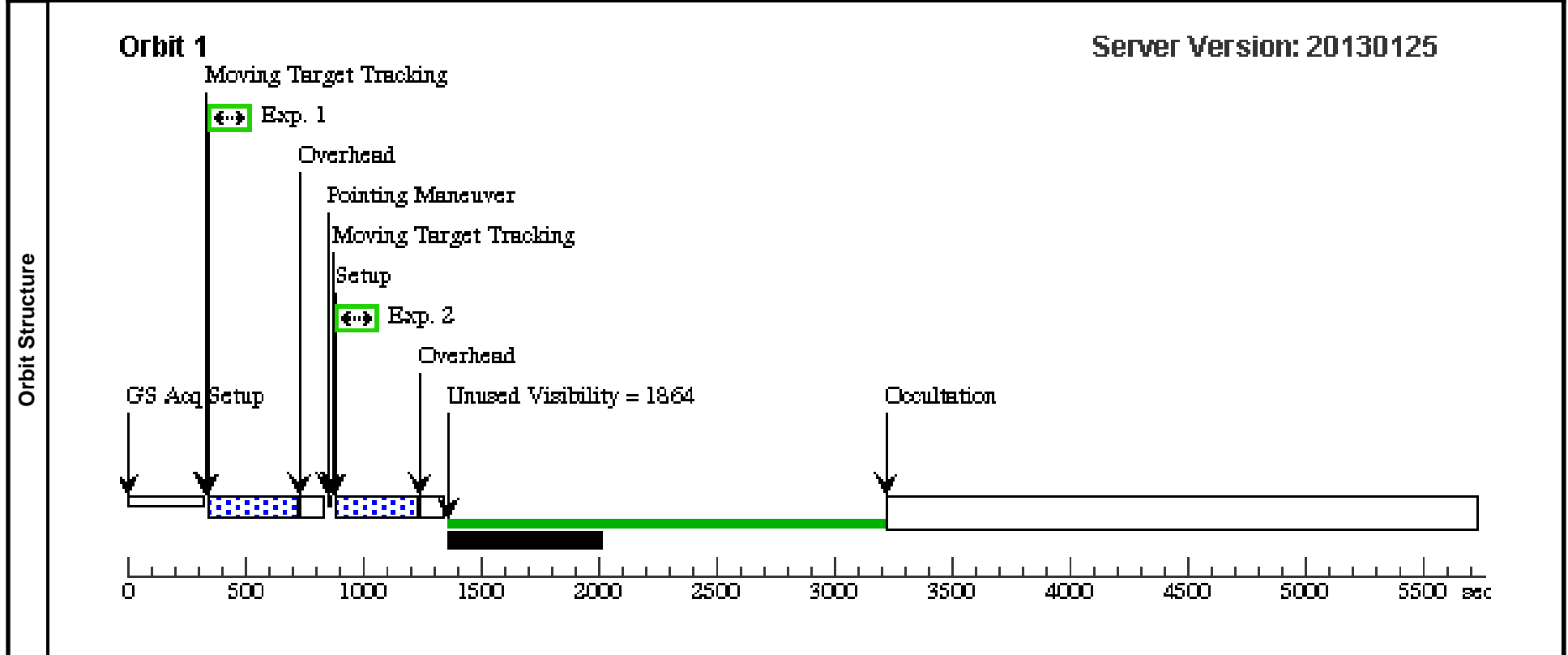
Proposal 12468 - Visit 64 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:14 GMT 2013

Visit	Proposal 12468, Visit 64, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(64)	02VV130	TYPE=ASTEROID,A=42.6394936220 00,E=0.174963947760,I=2.379493645 500,O=171.408273630000,W=259.122 183510000,M=336.597802130000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 02VV130 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 11.6 Arcsec</i>							

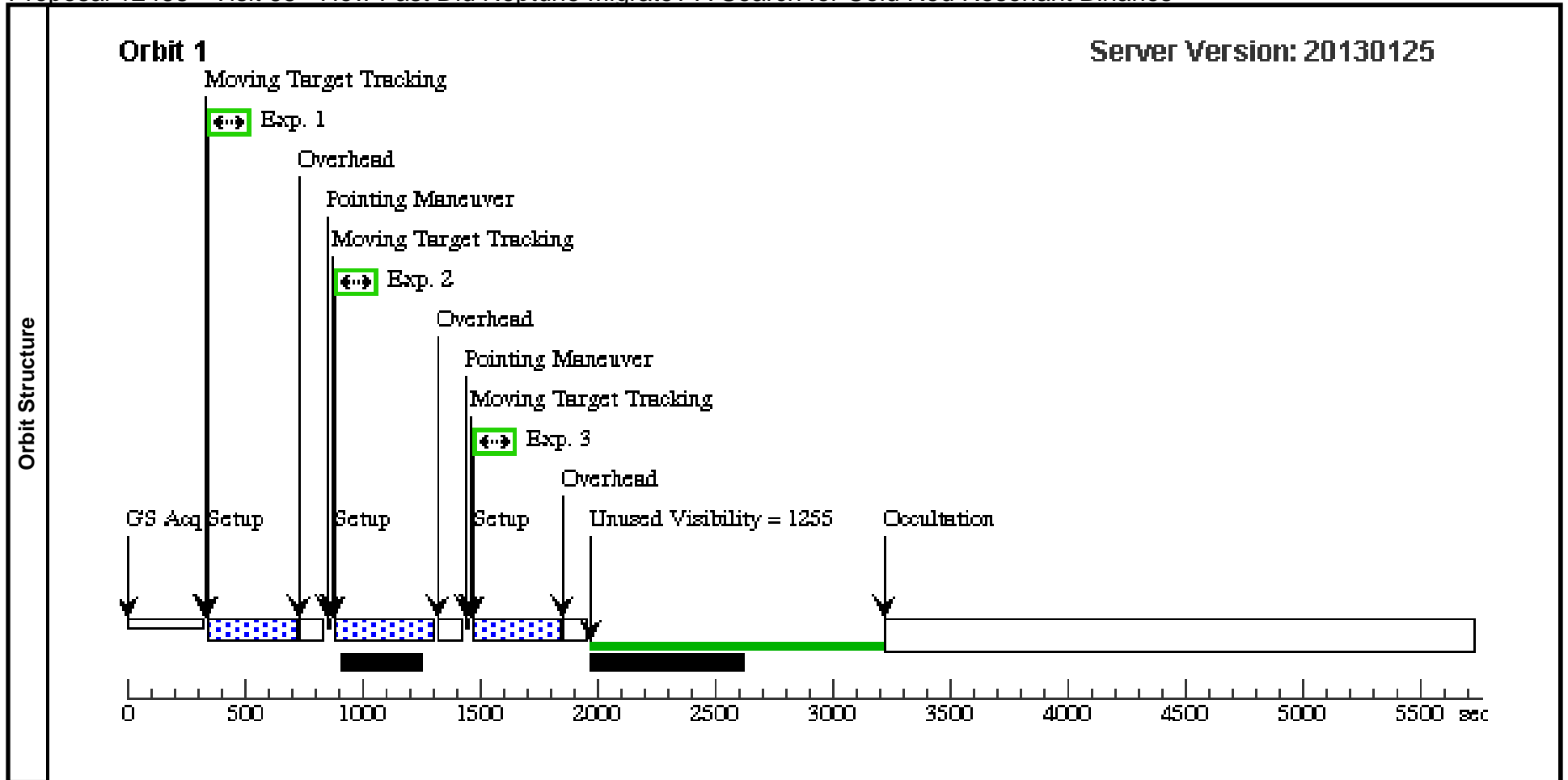
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(64) 02VV130		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(64) 02VV130		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[==>]	[1]



Proposal 12468 - Visit 65 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:15 GMT 2013

Visit	Proposal 12468, Visit 65, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(65)	02GS32	TYPE=ASTEROID,A=42.041341836000,E=0.105417343110,I=4.312058500900,O=260.432544470000,W=318.942448640000,M=19.382138099000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 02GS32 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 11.4 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(65) 02GS32	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(65) 02GS32	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs	
								[==>]	[1]	
3		(65) 02GS32	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs		
								[==>]	[1]	



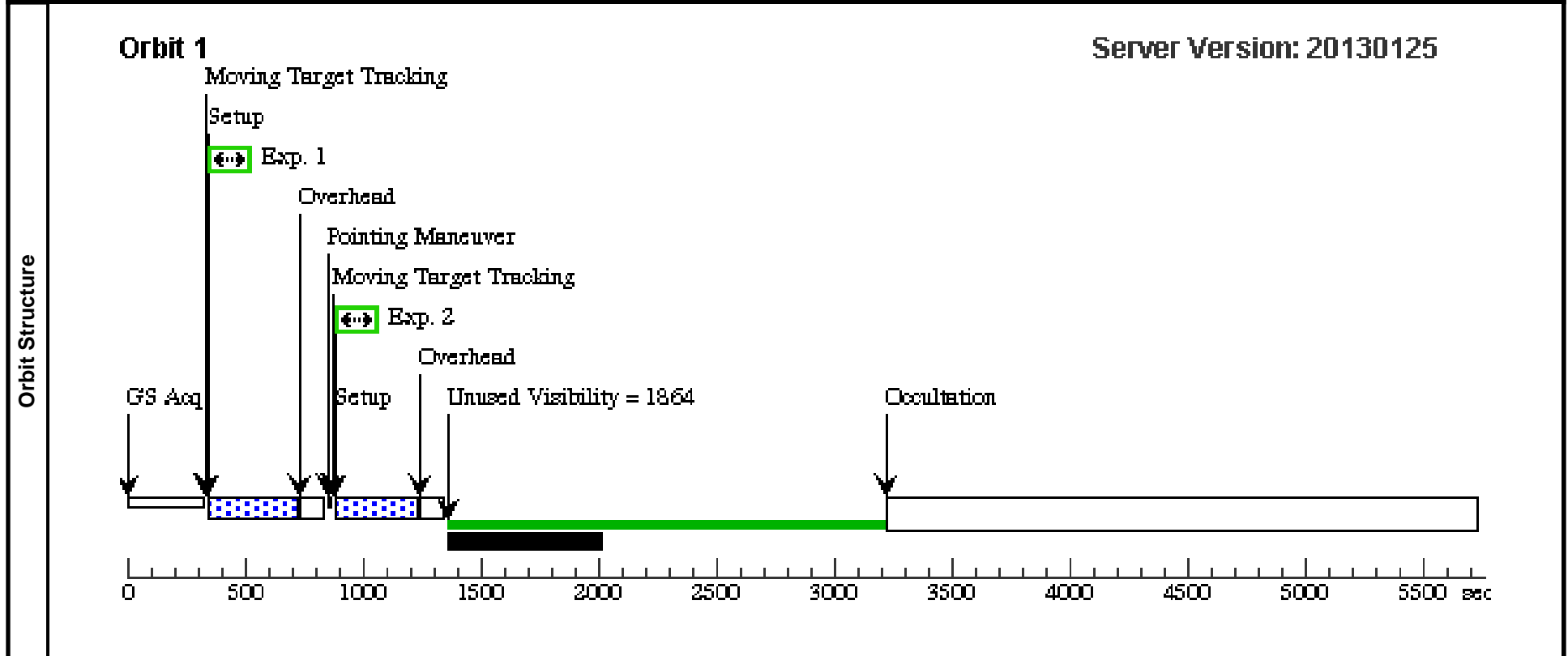
Proposal 12468 - Visit 66 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:16 GMT 2013

Visit	Proposal 12468, Visit 66, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(66)	05SE278	TYPE=ASTEROID,A=42.5706434200 00,E=0.114932935230,I=6.887746039 300,O=95.269988436000,W=271.7299 67370000,M=14.955908643000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05SE278 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.7 Arcsec</i>							

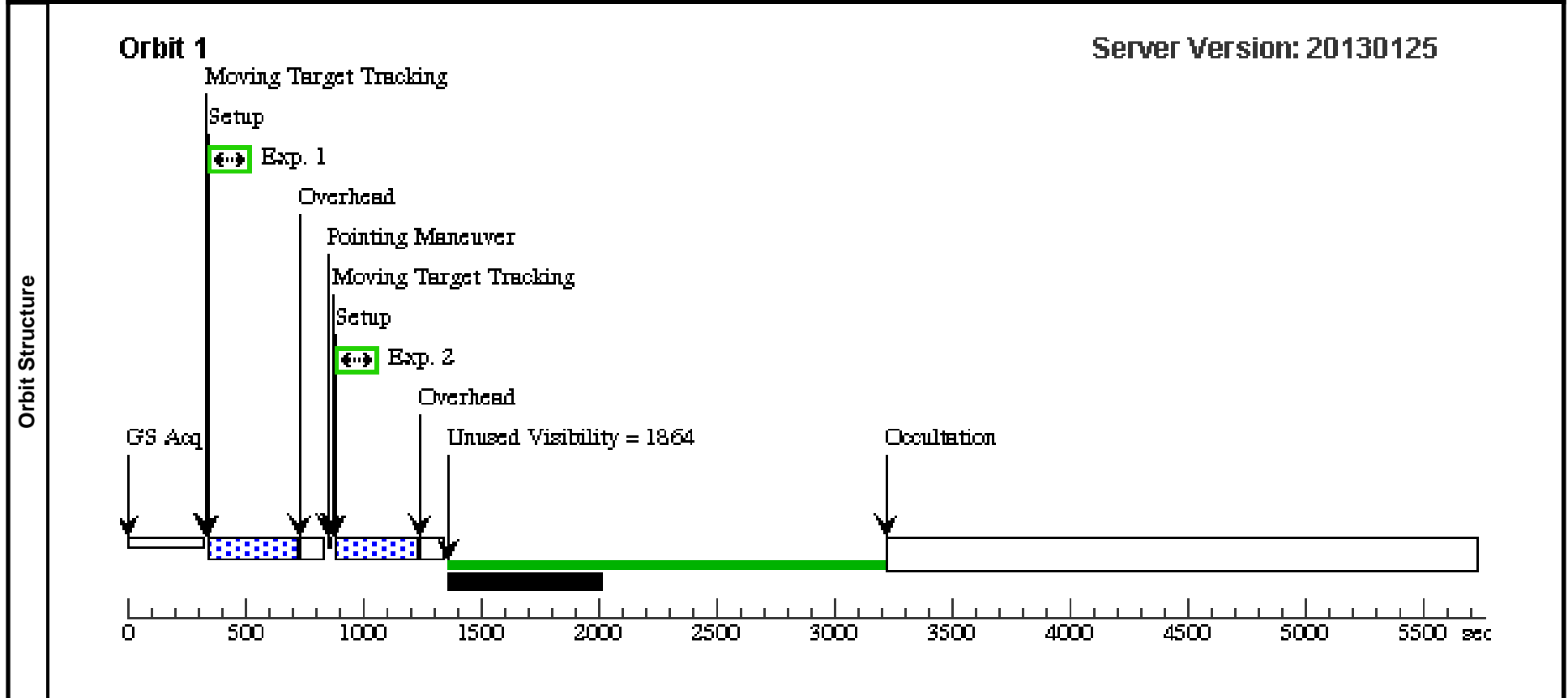
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(66) 05SE278		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(66) 05SE278		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



Visit	Proposal 12468, Visit 67, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(67)	118378		TYPE=ASTEROID,A=43.5825383590 00,E=0.110974607170,I=5.059026327 800,O=87.855469178000,W=189.9173 43650000,M=316.169294960000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 118378 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.5 Arcsec</i>							

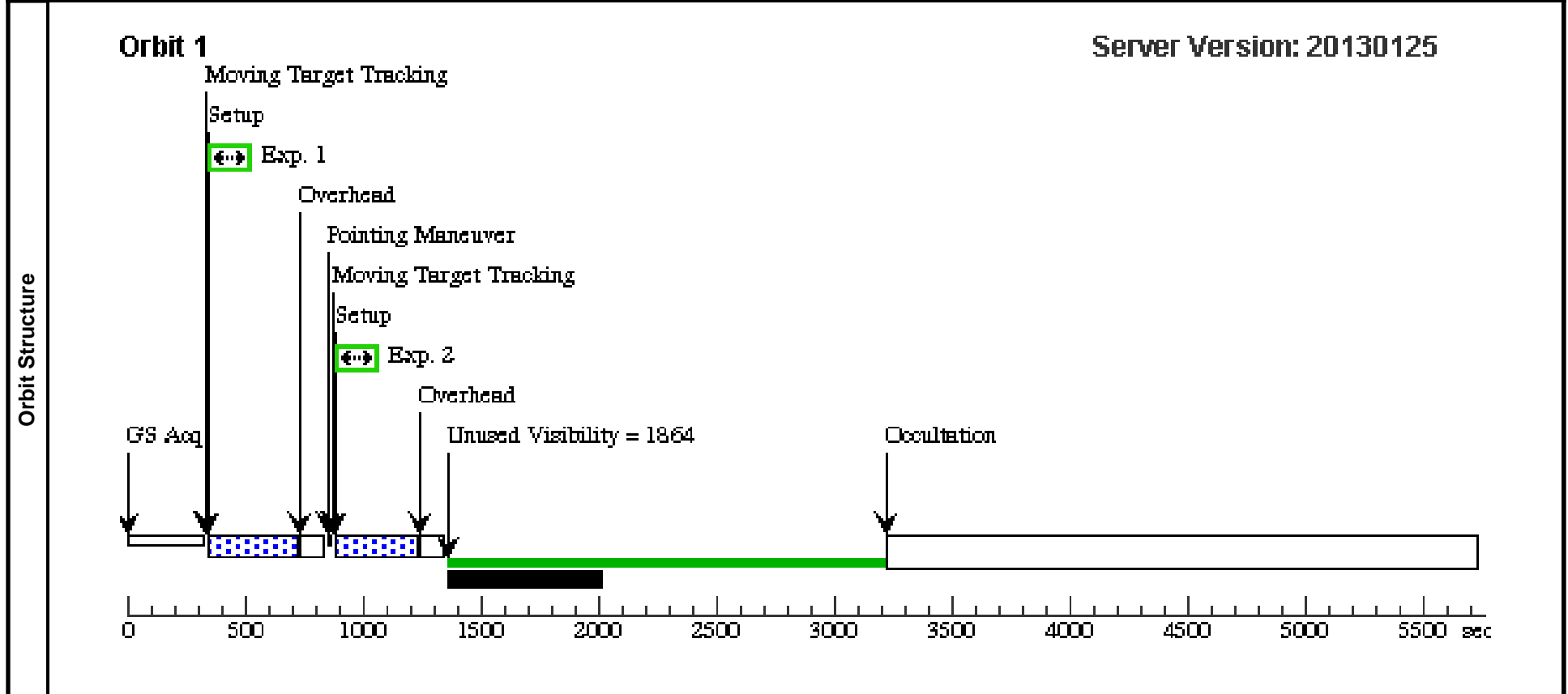
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(67) 118378		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(67) 118378		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[==>]	[1]



Visit	Proposal 12468, Visit 68, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(68)	181871		TYPE=ASTEROID,A=43.773038703000,E=0.087990442817,I=0.803190544820,O=277.995257260000,W=159.826641930000,M=54.221987395000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB			A_VEL 181871 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.5 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(68) 181871		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(68) 181871		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs	
									[==>]	[1]



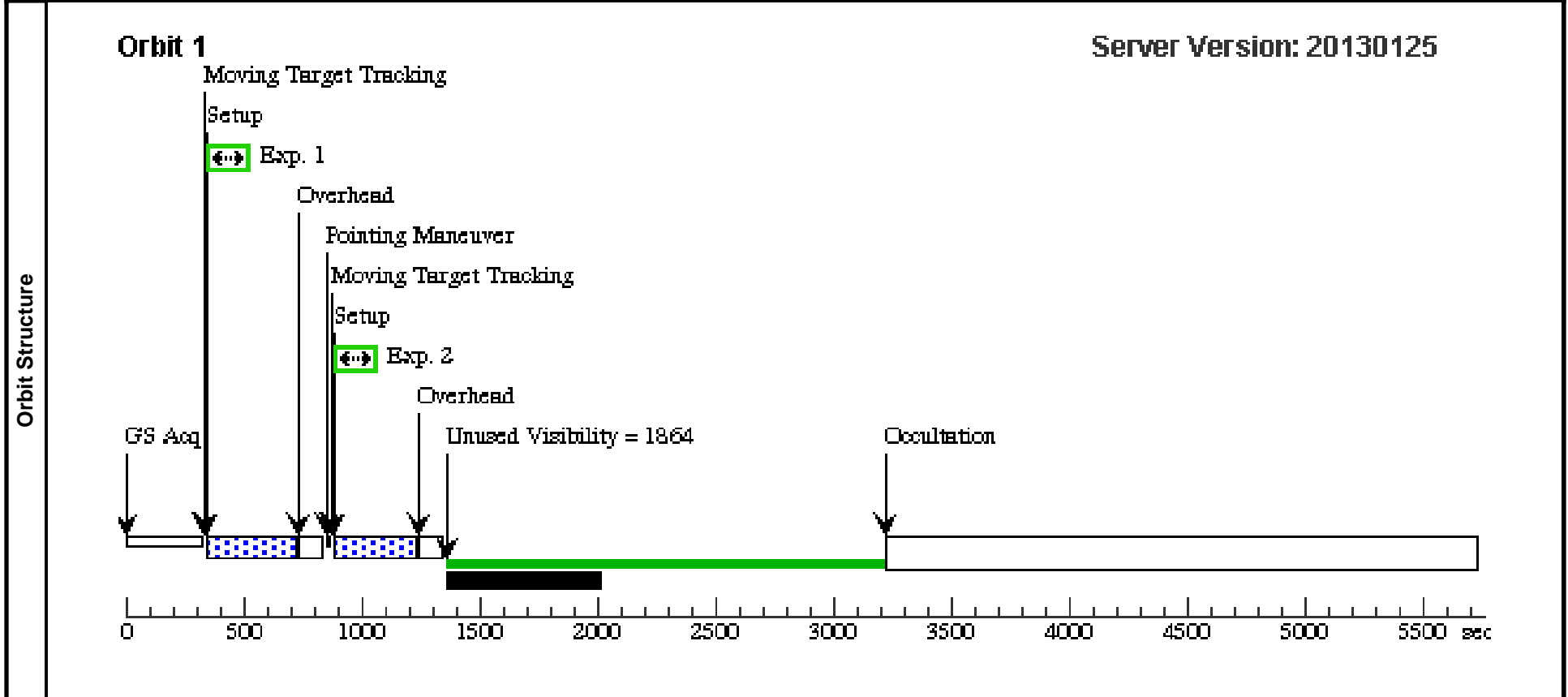
Proposal 12468 - Visit 69 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:18 GMT 2013

Visit	Proposal 12468, Visit 69, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(69)	119066		TYPE=ASTEROID,A=43.5257178880 00,E=0.078373020504,I=6.745989741 900,O=47.724010070000,W=274.1162 64790000,M=302.430840020000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 119066 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.5 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(69) 119066		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(69) 119066		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[==>]	[1]



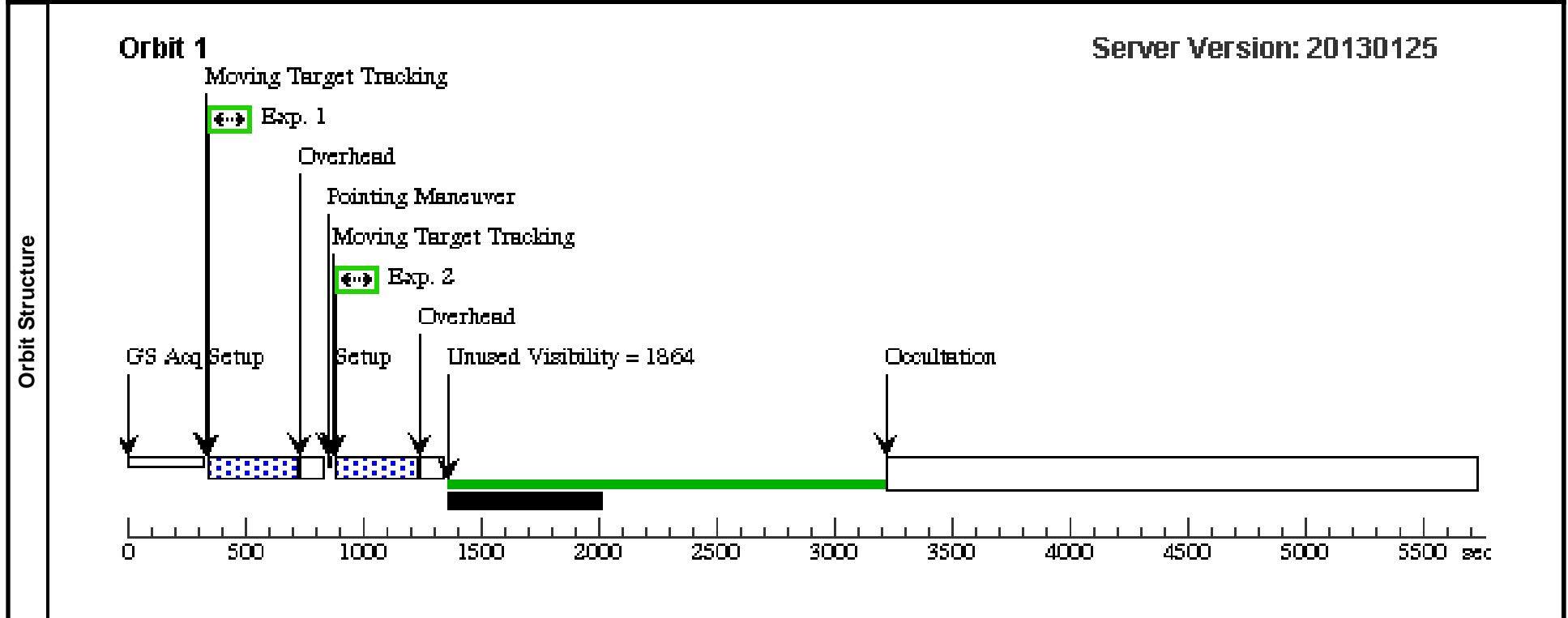
Proposal 12468 - Visit 70 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:19 GMT 2013

Visit	Proposal 12468, Visit 70, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(70)	05SF278	TYPE=ASTEROID,A=44.057737763000,E=0.193390267680,I=13.329685264000,O=101.676535550000,W=320.583620400000,M=346.724563650000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 05SF278 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.9 Arcsec</i>							

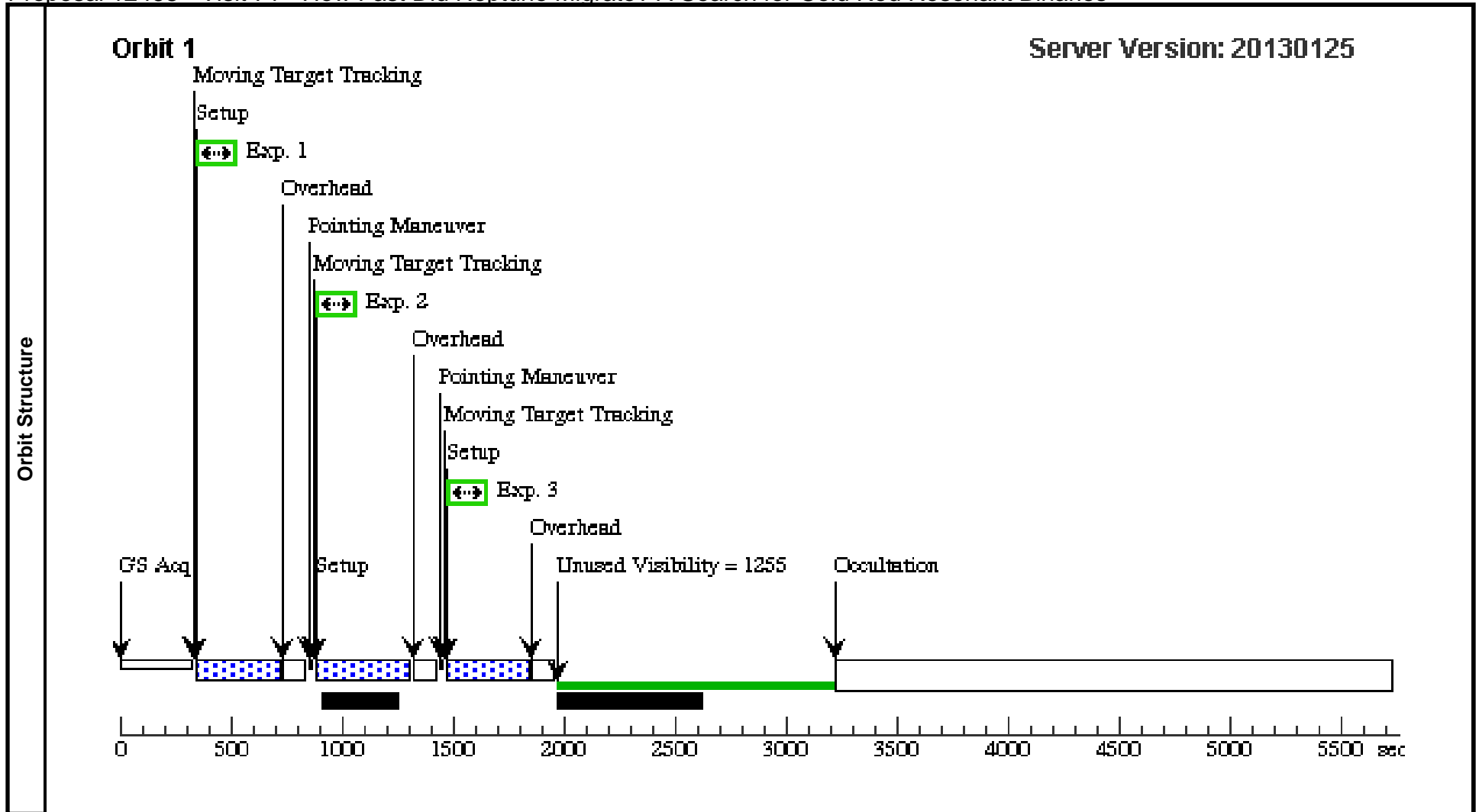
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(70) 05SF278	WFC3/UVIS, ACCUM, UVIS1	F606W					350 Secs [==>]
2		(70) 05SF278	WFC3/UVIS, ACCUM, UVIS1	F606W			POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



Proposal 12468 - Visit 71 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:20 GMT 2013

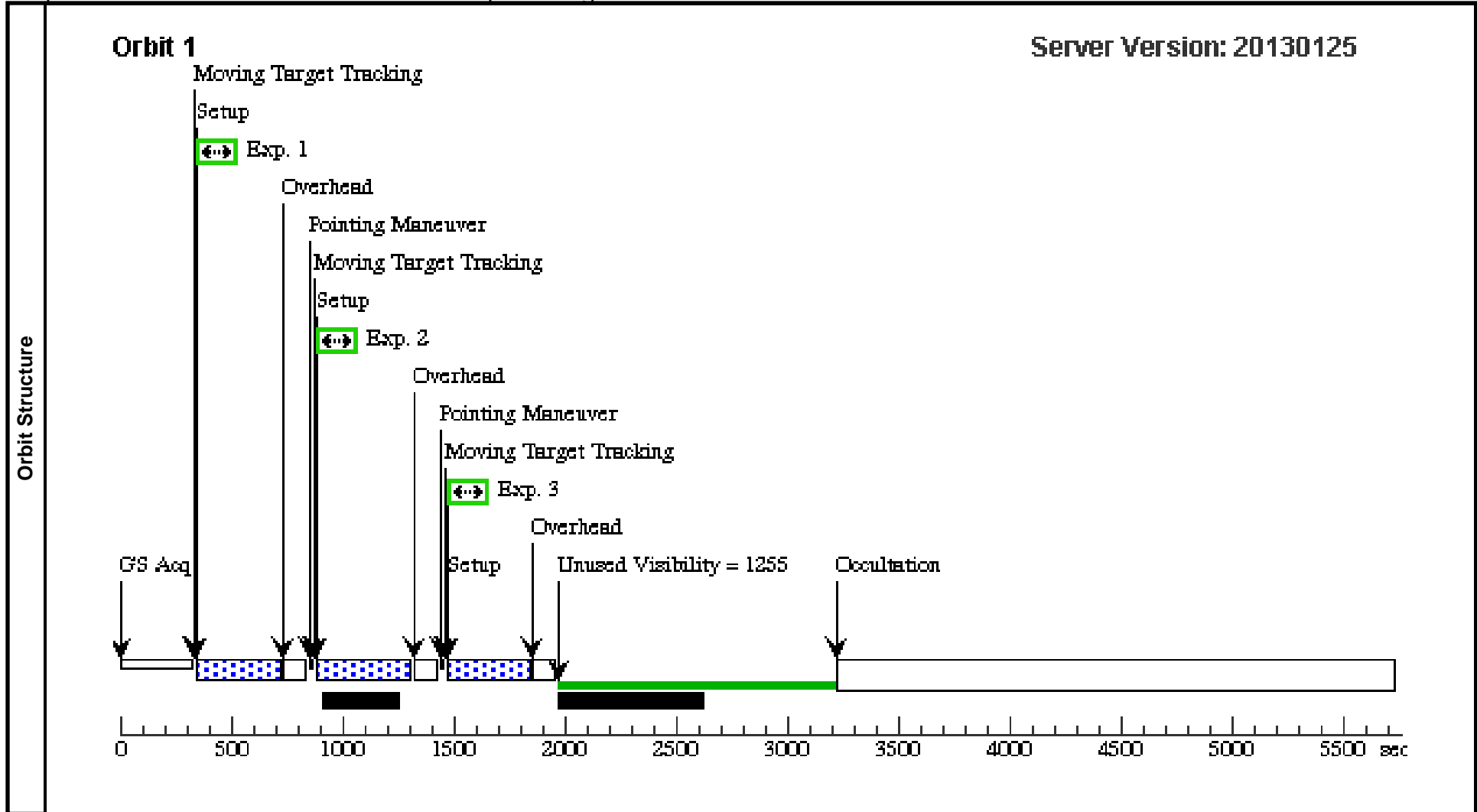
Visit	Proposal 12468, Visit 71, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(71)	135024	TYPE=ASTEROID,A=43.501875566000,E=0.111970276840,I=2.153639391900,O=44.246486505000,W=299.755427830000,M=261.472305540000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 135024 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 1.2 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(71) 135024	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	2		(71) 135024	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs [==>]	[1]
	3		(71) 135024	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs [==>]	[1]



Proposal 12468 - Visit 72 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:21 GMT 2013

Visit	Proposal 12468, Visit 72, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(72)	99KR18	TYPE=ASTEROID,A=43.612156818000,E=0.208164132150,I=0.608256691920,O=284.137738180000,W=212.098688740000,M=184.263606260000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 99KR18 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 10.8 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(72) 99KR18	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(72) 99KR18	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs	
								[==>]	[1]	
3		(72) 99KR18	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs		
								[==>]	[1]	



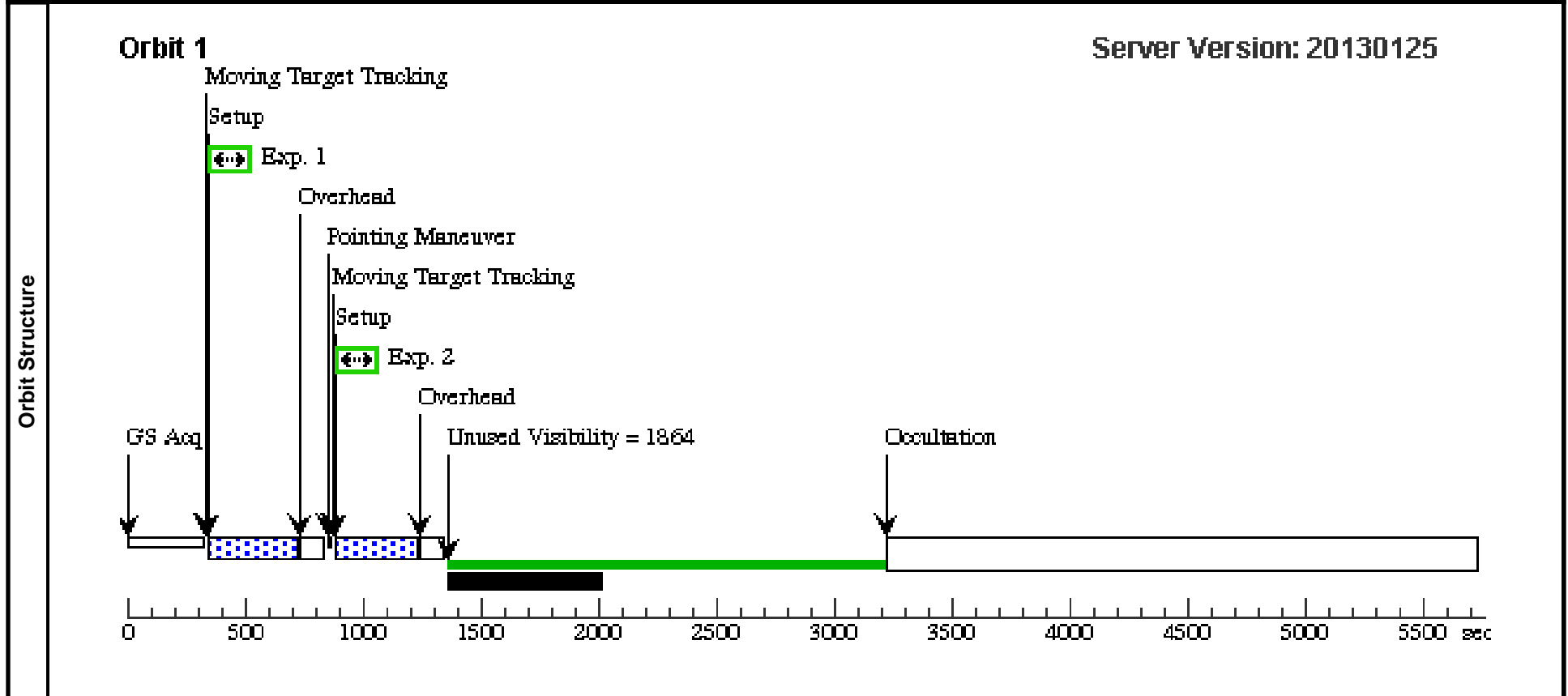
Proposal 12468 - Visit 73 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:21 GMT 2013

Visit	Proposal 12468, Visit 73, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(73)	119070		TYPE=ASTEROID,A=43.5063229720 00,E=0.172155016140,I=3.317141242 100,O=22.058903009000,W=217.9318 54300000,M=13.513495928000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 119070 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.4 Arcsec</i>							

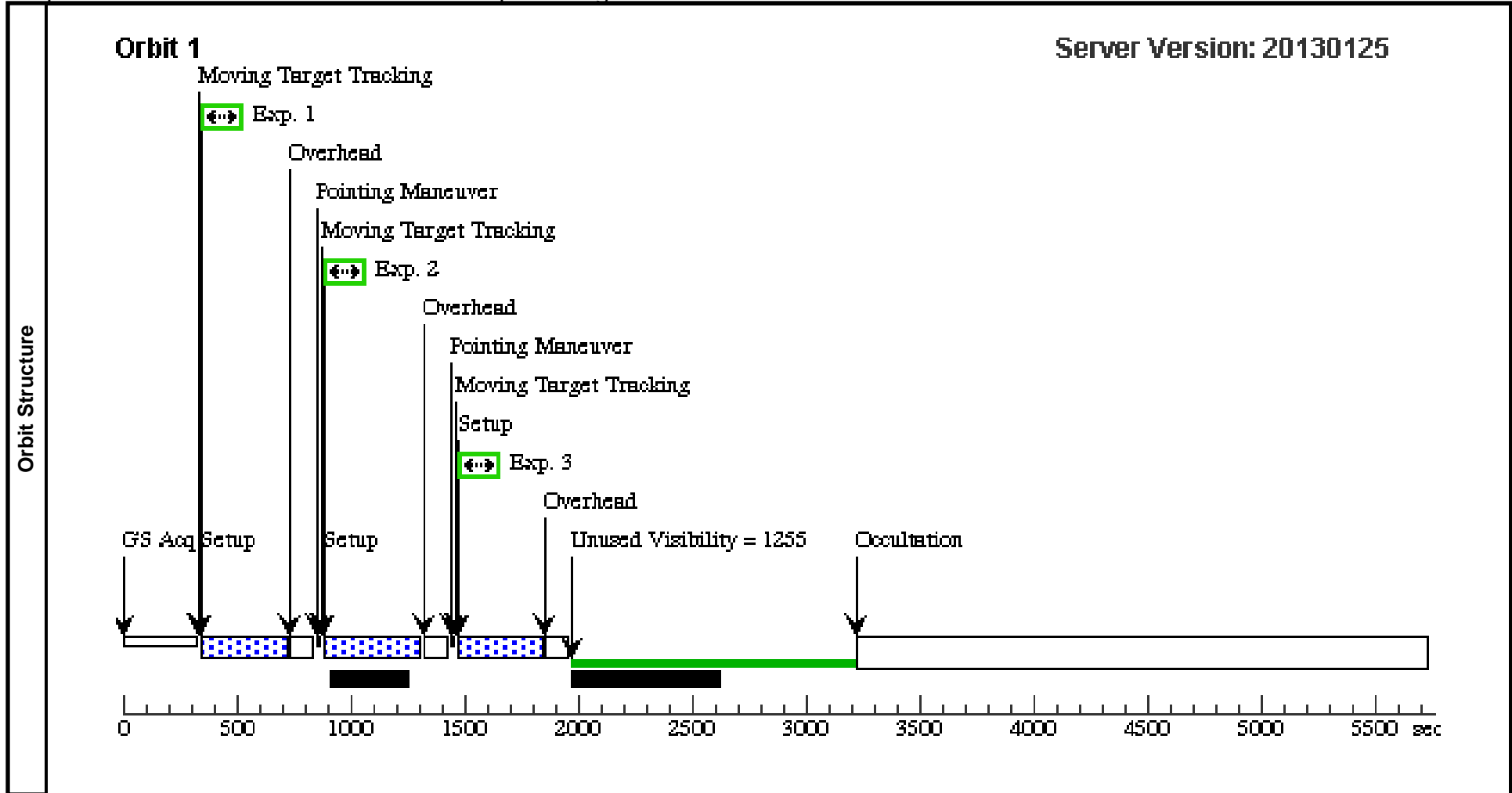
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(73) 119070		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(73) 119070		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



Proposal 12468 - Visit 74 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:22 GMT 2013

Visit	Proposal 12468, Visit 74, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(74)	135742	TYPE=ASTEROID,A=43.728640176000,E=0.123589145780,I=5.450145880600,O=336.794516220000,W=290.441099410000,M=61.537459481000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 135742 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 1.2 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(74) 135742	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	2		(74) 135742	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs [==>]	[1]
	3		(74) 135742	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs [==>]	[1]



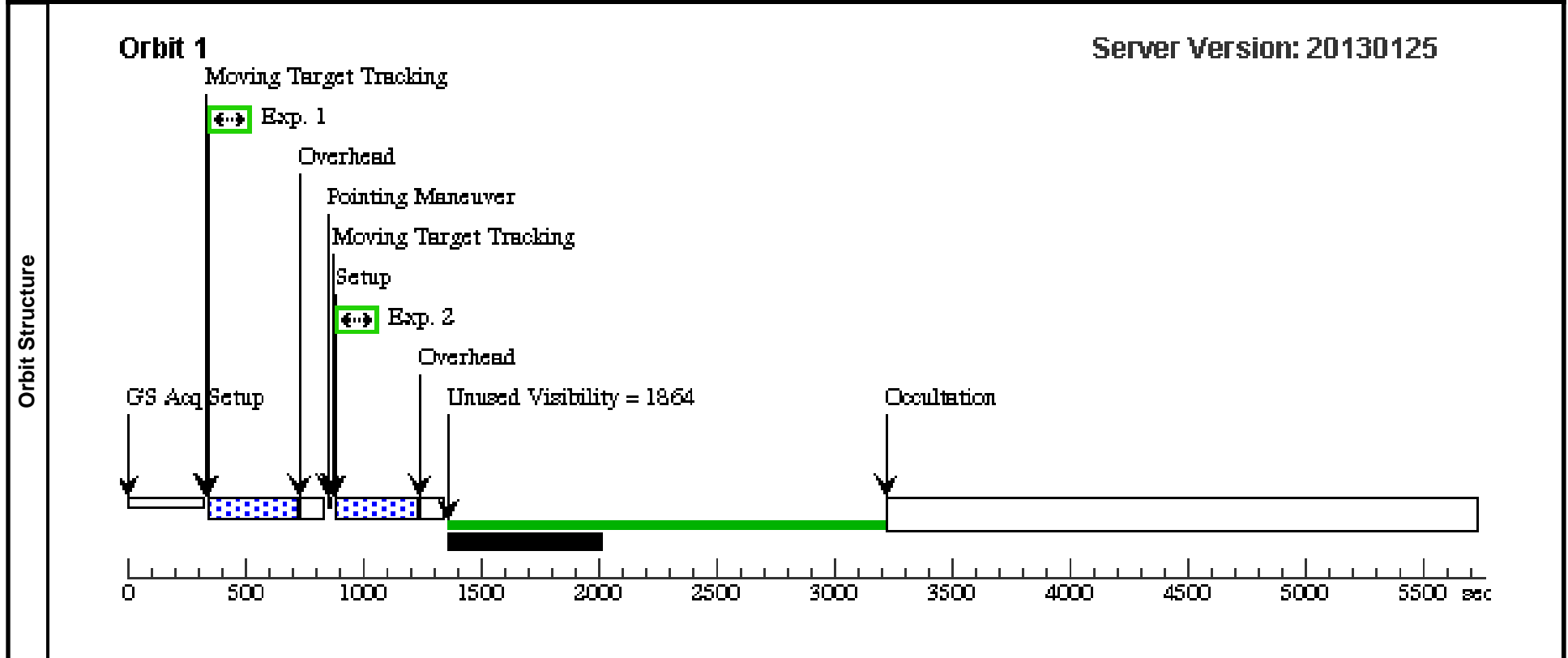
Proposal 12468 - Visit 75 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:23 GMT 2013

Visit	Proposal 12468, Visit 75, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(75)	99HG12	TYPE=ASTEROID,A=43.4486216610 00,E=0.153518595390,I=1.018031735 500,O=30.603156186000,W=269.3604 16380000,M=298.358473930000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 99HG12 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 4.2 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(75) 99HG12		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(75) 99HG12		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



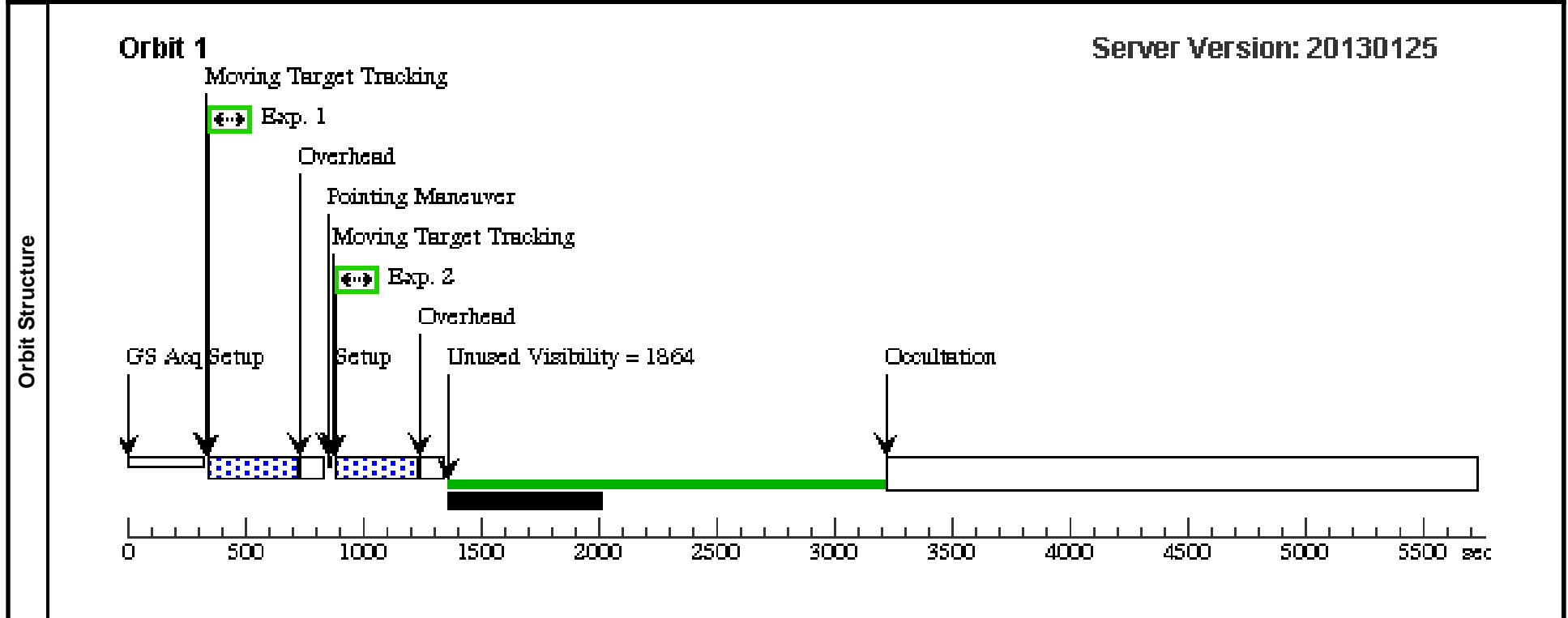
Proposal 12468 - Visit 76 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:24 GMT 2013

Visit	Proposal 12468, Visit 76, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(76)	05JJ186	TYPE=ASTEROID,A=44.4908751520 00,E=0.092541173470,I=4.147579177 700,O=63.794513586000,W=239.8975 81780000,M=322.902683120000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 05JJ186 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.4 Arcsec</i>							

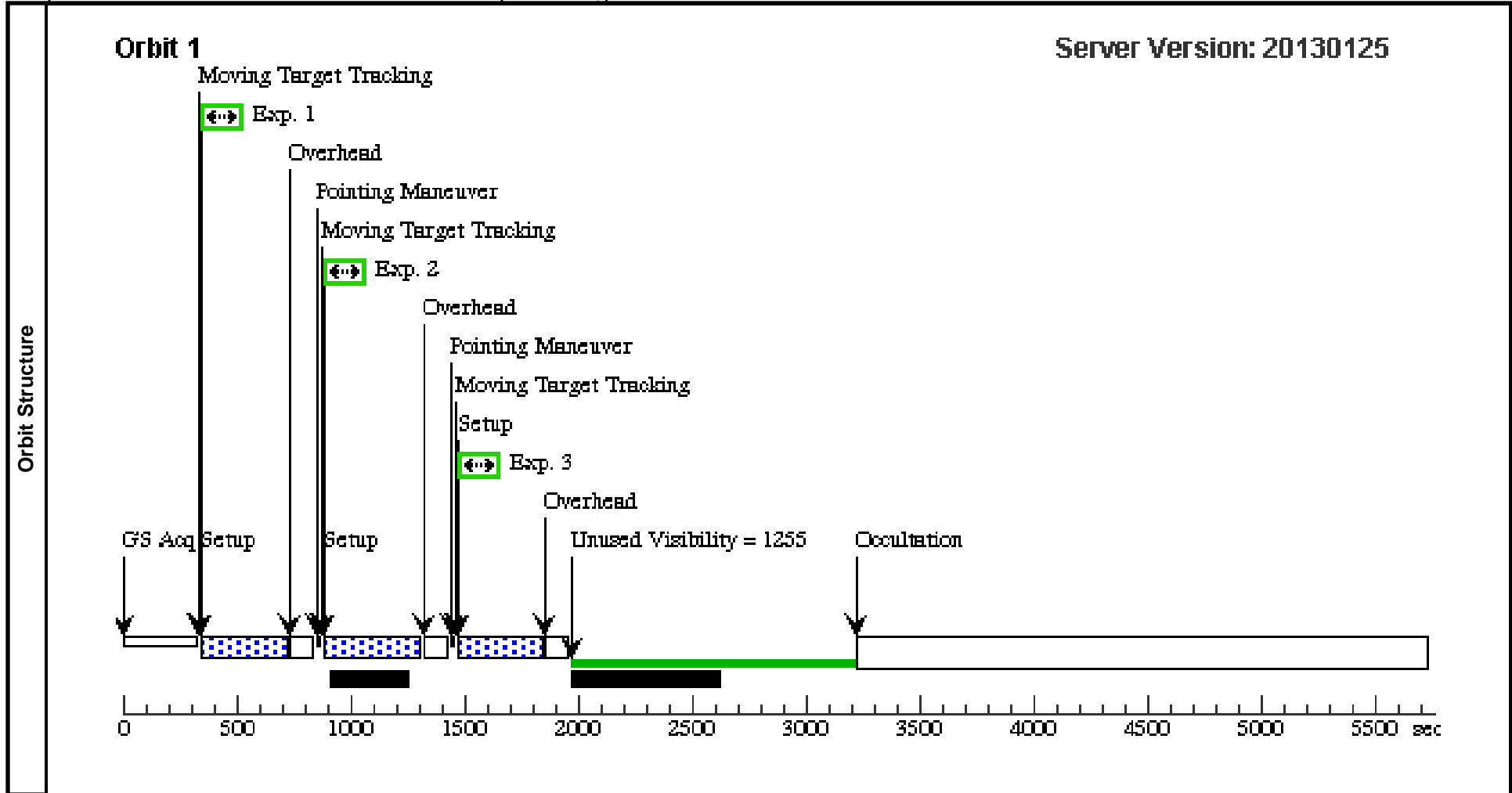
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(76) 05JJ186		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[=>]	[1]
2		(76) 05JJ186		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[=>]	[1]



Proposal 12468 - Visit 77 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:24 GMT 2013

Visit	Proposal 12468, Visit 77, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(77)	10LQ68	TYPE=ASTEROID,A=45.388129558000,E=0.247804894080,I=3.203187751100,O=306.113628470000,W=14.983989761000,M=315.834659910000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 10LQ68 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 5.7 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(77) 10LQ68	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]	[1]
	2		(77) 10LQ68	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs [==>]	[1]
	3		(77) 10LQ68	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs [==>]	[1]



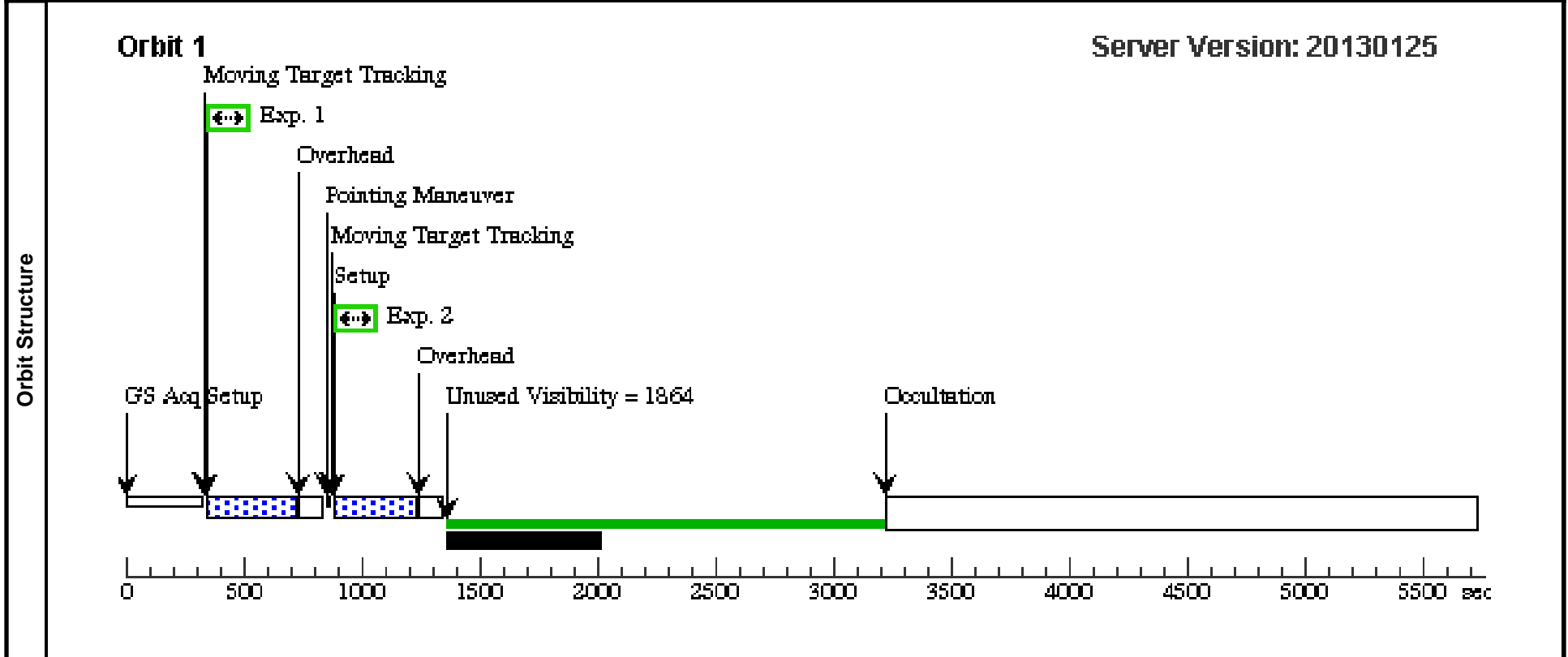
Proposal 12468 - Visit 78 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:25 GMT 2013

Visit	Proposal 12468, Visit 78, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(78)	20161		TYPE=ASTEROID,A=48.1213032780 00,E=0.399134878690,I=12.42072511 9000,O=343.041753270000,W=310.06 9051460000,M=48.759848041000,EQ UINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 20161 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 9.9 Arcsec</i>							

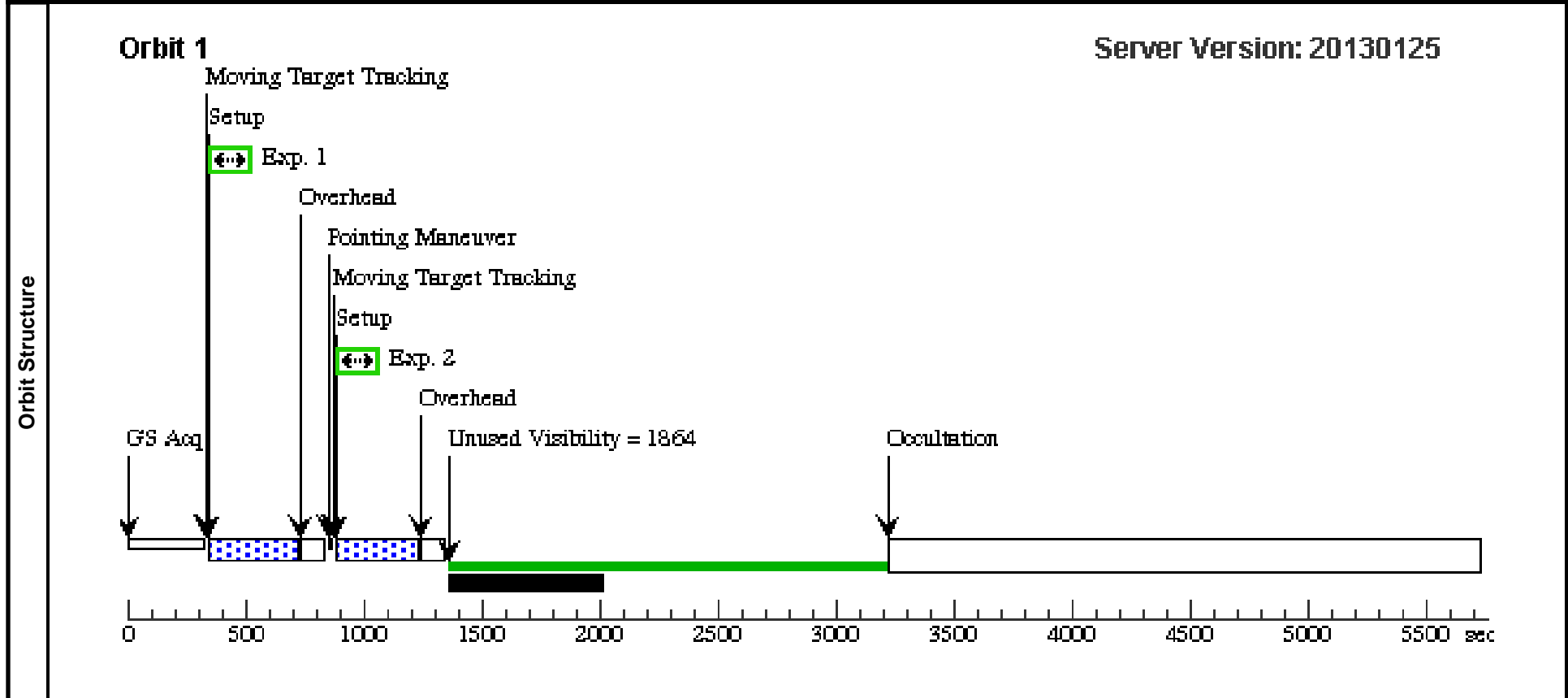
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(78) 20161		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(78) 20161		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



Visit	Proposal 12468, Visit 79, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(79)	99RB215	TYPE=ASTEROID,A=47.989636316000,E=0.344841680320,I=7.851405132700,O=4.979548970600,W=348.480349230000,M=19.851917622000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 99RB215 FROM EARTH GT 0.00005
<i>Comments:</i>							
Acquisition Uncertainty: 5.7 Arcsec							

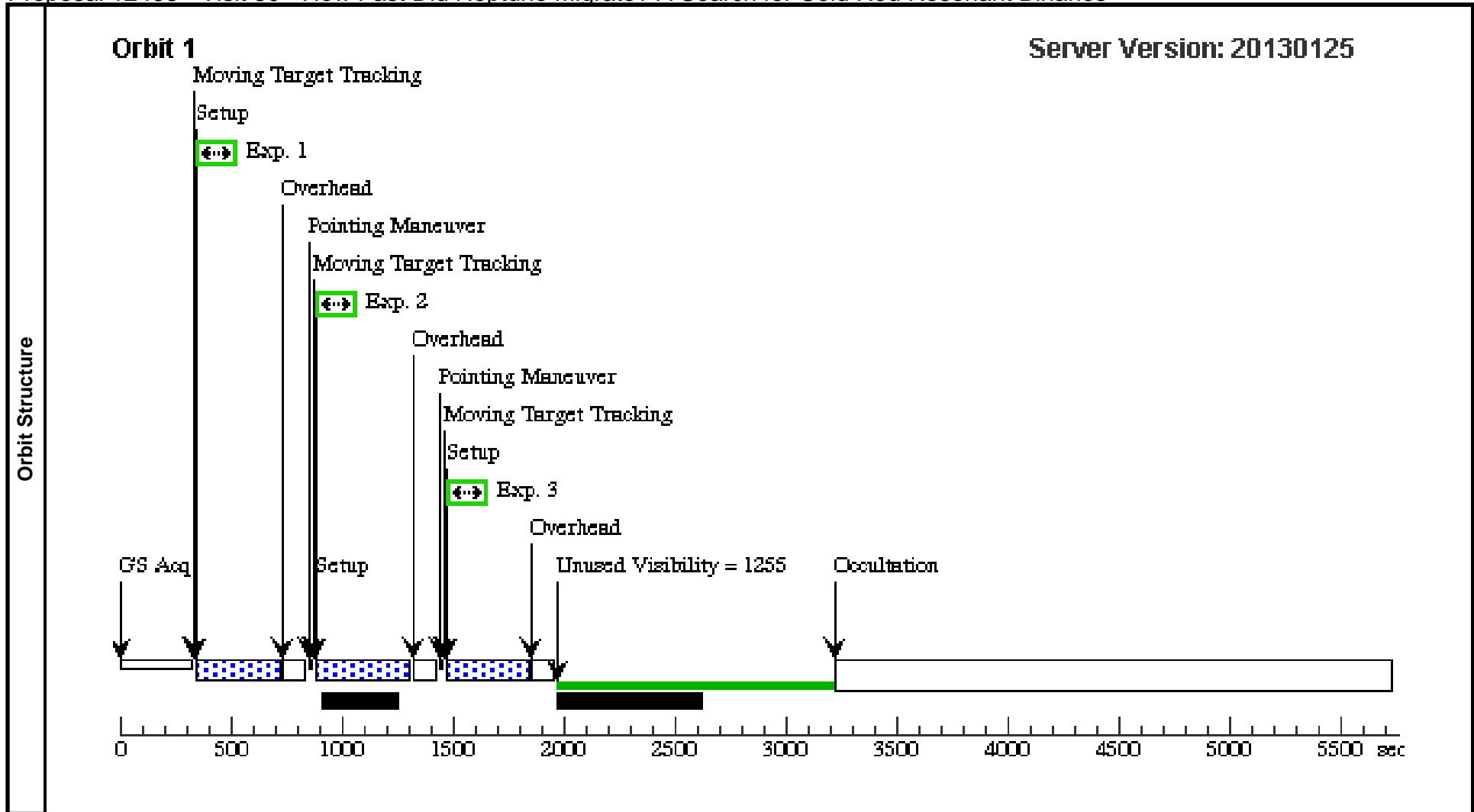
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(79) 99RB215		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(79) 99RB215		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs	
									[==>]	[1]



Proposal 12468 - Visit 80 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:27 GMT 2013

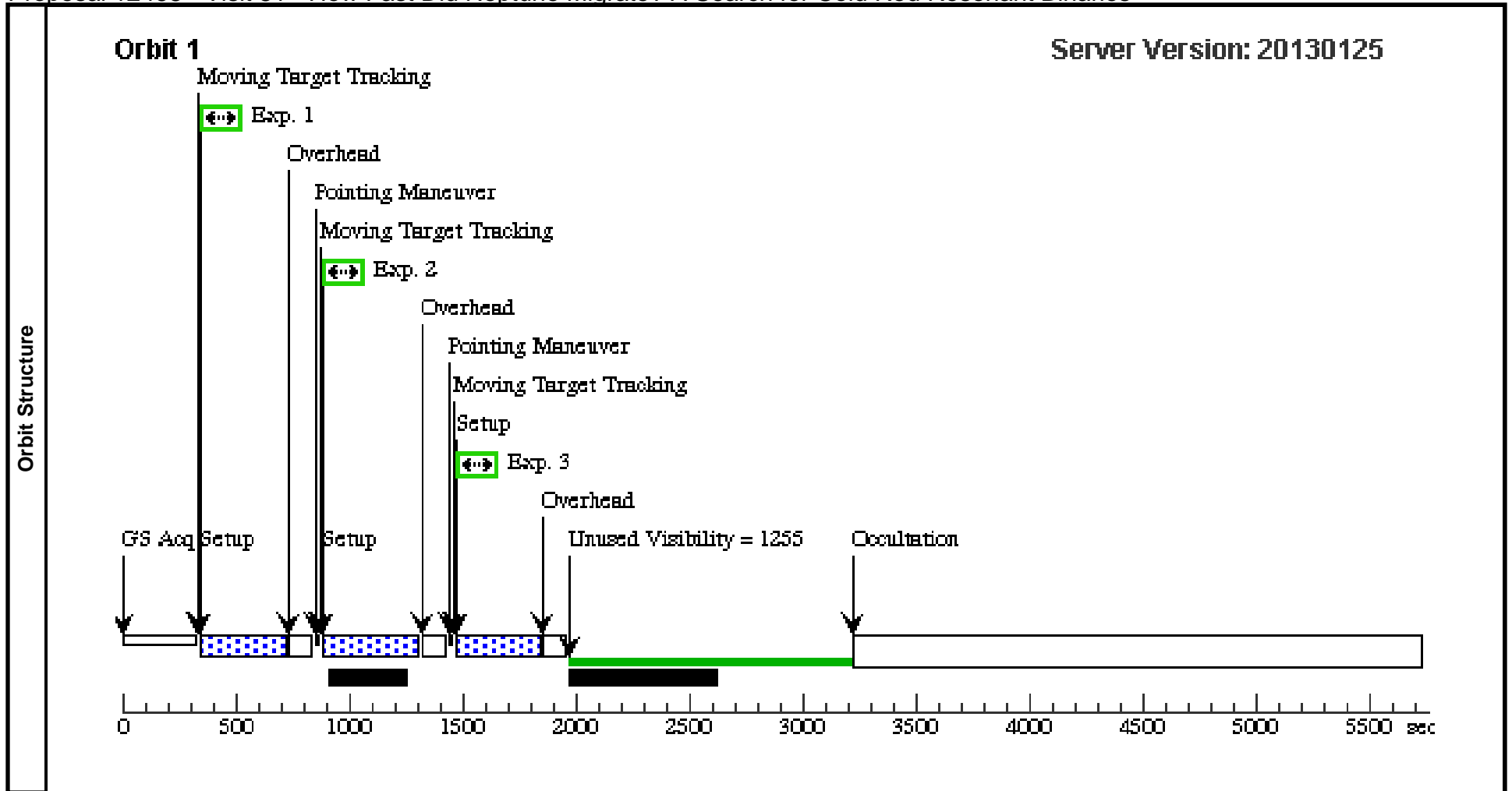
Visit	Proposal 12468, Visit 80, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(80)	10EP65	TYPE=ASTEROID,A=47.468020448000,E=0.303622543520,I=18.918835689000,O=205.001237470000,W=351.880071140000,M=357.083233260000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 10EP65 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.1 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(80) 10EP65	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(80) 10EP65	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs	
								[==>]	[1]	
3		(80) 10EP65	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs		
								[==>]	[1]	



Proposal 12468 - Visit 81 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:28 GMT 2013

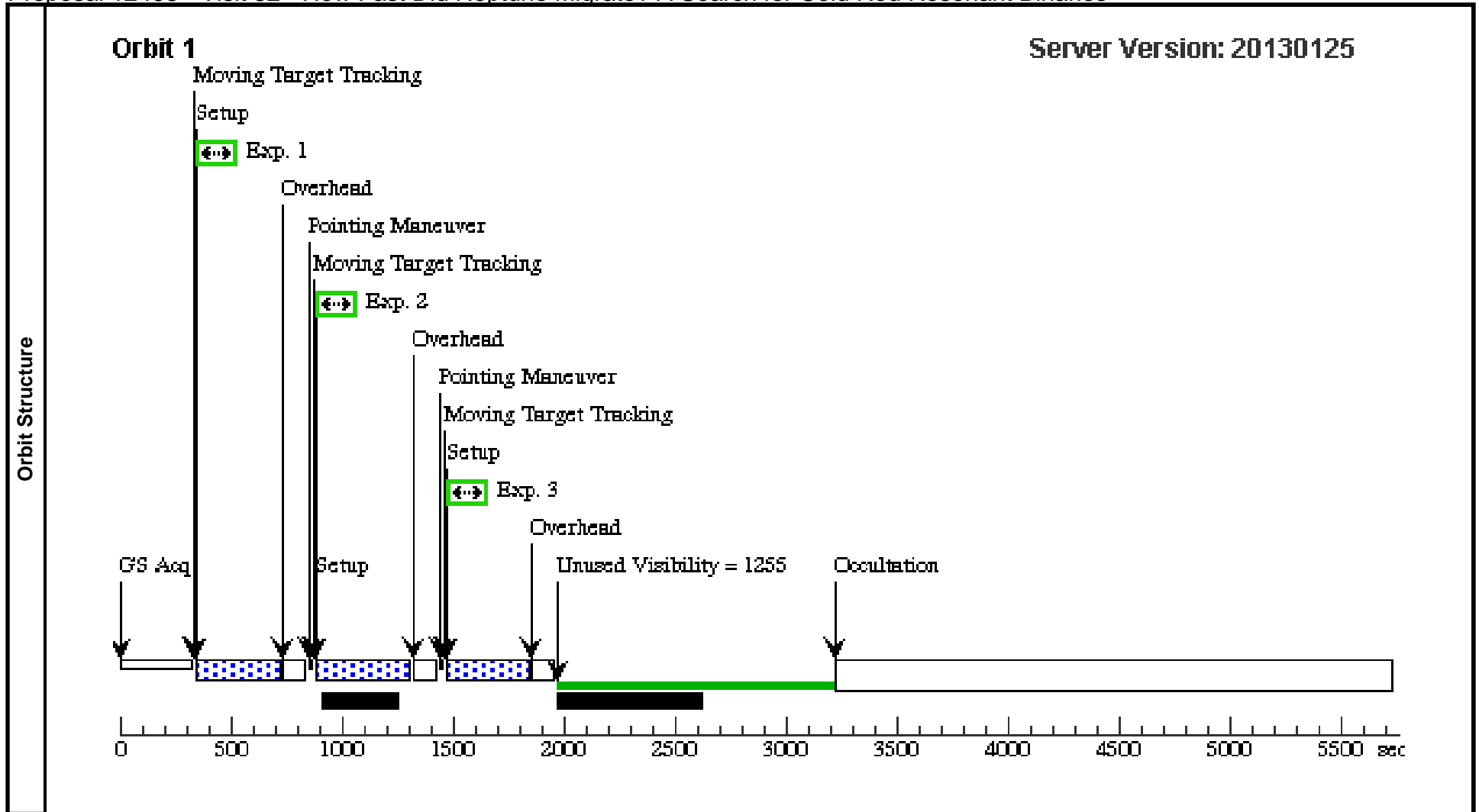
Visit	Proposal 12468, Visit 81, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(81)	08CT190	TYPE=ASTEROID,A=52.8082594440 00,E=0.343159272240,I=38.83289998 4000,O=103.605804150000,W=47.431 966436000,M=0.634683618960,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 08CT190 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.5 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(81) 08CT190	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(81) 08CT190	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs	
								[==>]	[1]	
3		(81) 08CT190	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs		
								[==>]	[1]	



Proposal 12468 - Visit 82 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:29 GMT 2013

Visit	Proposal 12468, Visit 82, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(82)	04TT357	TYPE=ASTEROID,A=56.0217573510 00,E=0.437932819530,I=8.964240652 100,O=229.842314790000,W=174.391 344770000,M=5.156044514600,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04TT357 FROM EARTH GT 0.00005	EARTH		
	<i>Comments:</i> Acquisition Uncertainty: 0.5 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(82) 04TT357	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(82) 04TT357	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		400 Secs	
								[==>]	[1]	
3		(82) 04TT357	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs		
								[==>]	[1]	



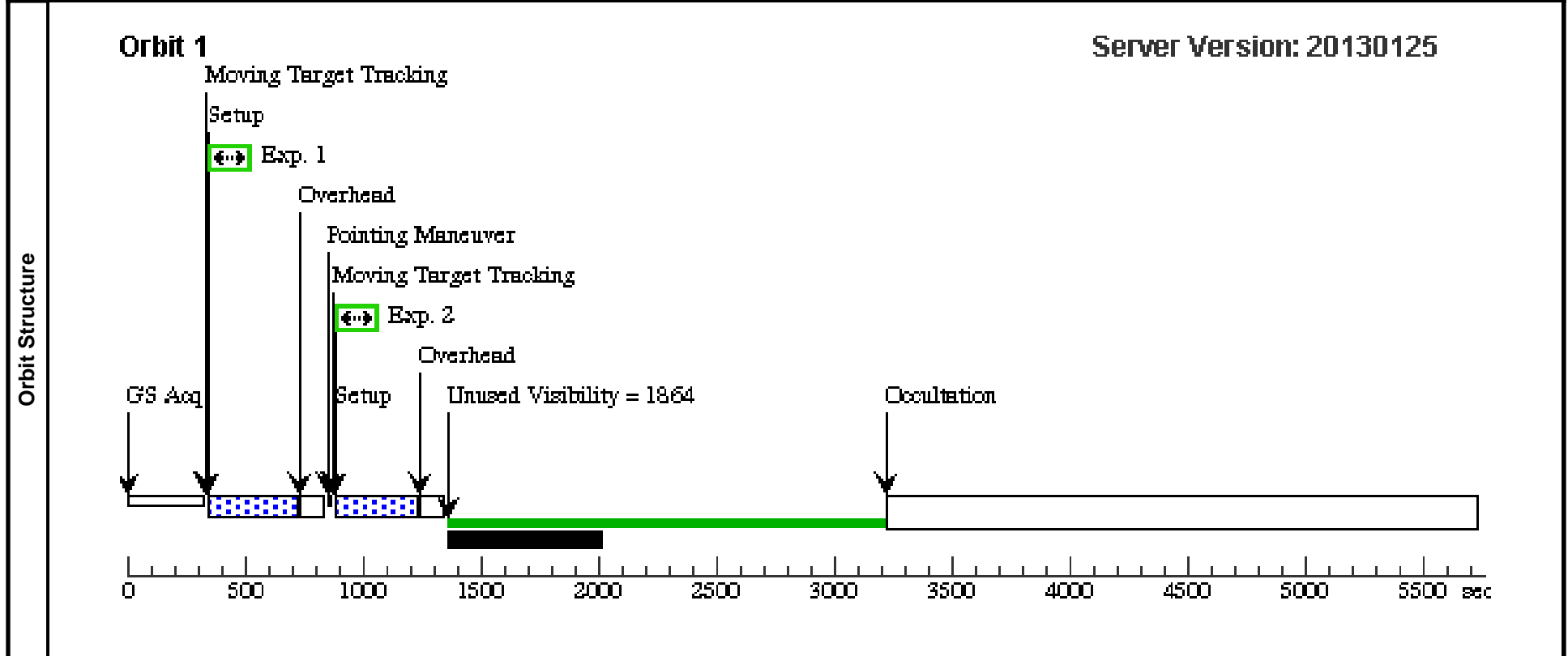
Proposal 12468 - Visit 83 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:30 GMT 2013

Visit	Proposal 12468, Visit 83, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(83)	10FD49	TYPE=ASTEROID,A=55.191355204000,E=0.421490031580,I=10.737019295000,O=66.274483577000,W=142.193811160000,M=357.010313550000,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB				A_VEL 10FD49 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.6 Arcsec</i>							

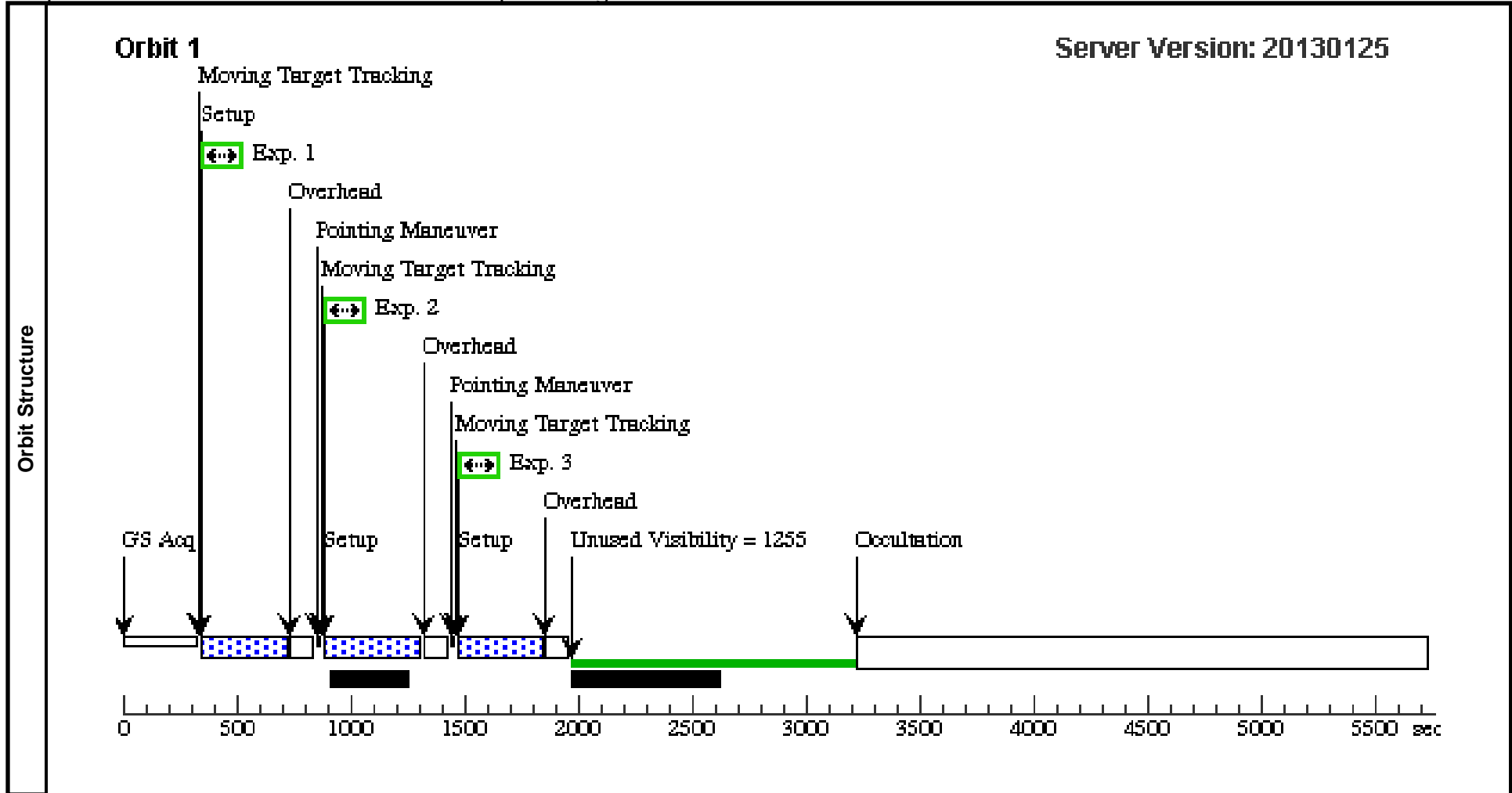
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(83) 10FD49		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(83) 10FD49		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



Proposal 12468 - Visit 84 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:31 GMT 2013

Visit	Proposal 12468, Visit 84, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(84)	00SR331	TYPE=ASTEROID,A=56.0226246390 00,E=0.444170121080,I=4.253877662 000,O=194.507130560000,W=239.347 118570000,M=5.087570646600,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 00SR331 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 13.4 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(84) 00SR331	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(84) 00SR331	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0.225		400 Secs	
								[==>]	[1]	
3		(84) 00SR331	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.45		350 Secs		
								[==>]	[1]	



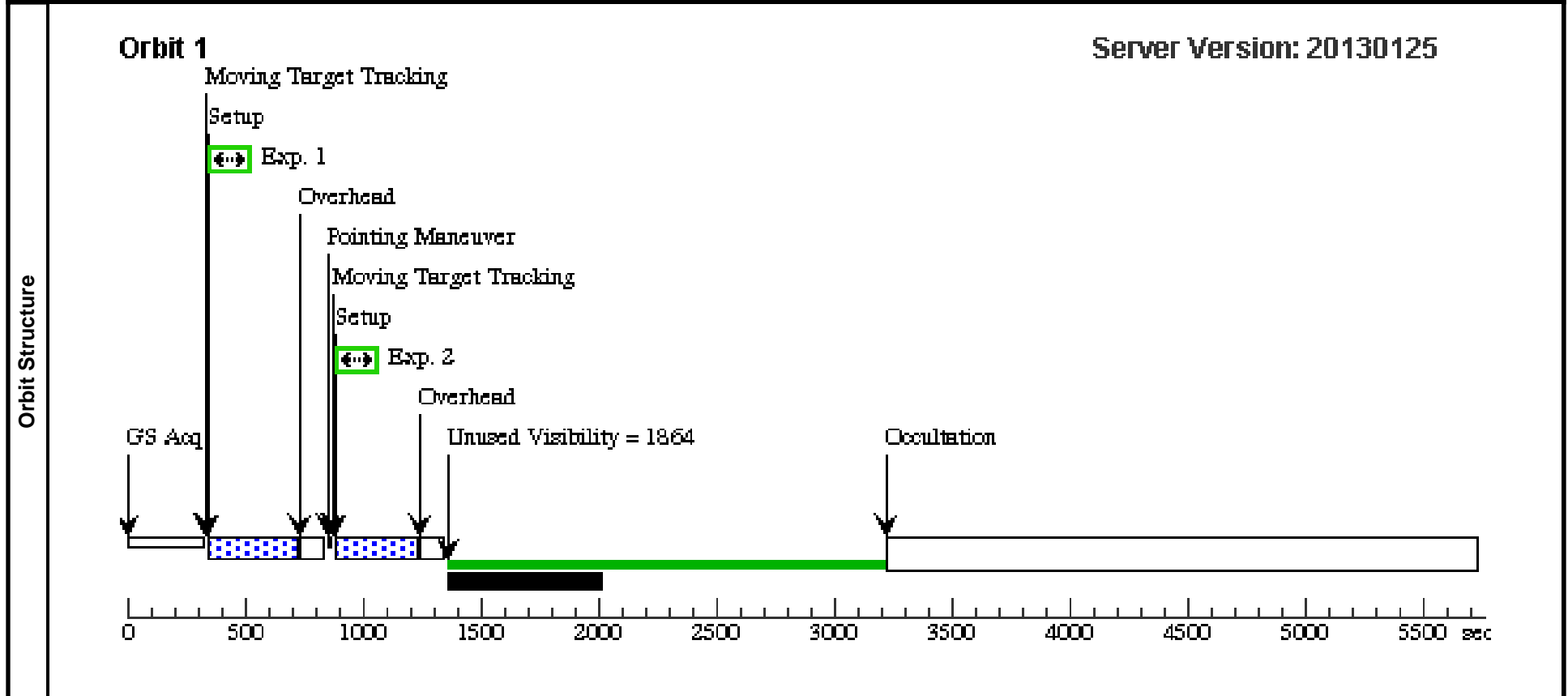
Proposal 12468 - Visit 85 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:31 GMT 2013

Visit	Proposal 12468, Visit 85, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(85)	04EG96	TYPE=ASTEROID,A=55.2785698130 00,E=0.420051724370,I=16.23303325 3000,O=196.440415160000,W=16.139 752785000,M=3.342441676900,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 04EG96 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 3.5 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(85) 04EG96		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(85) 04EG96		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



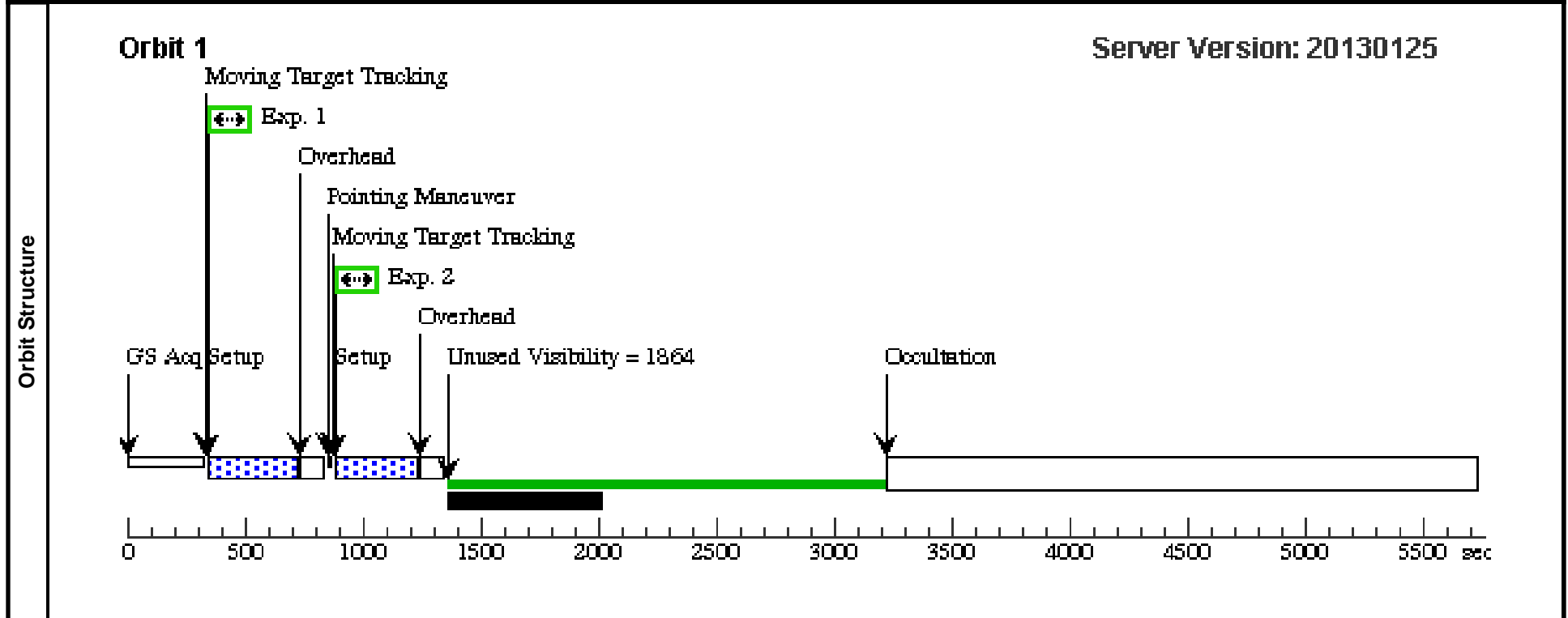
Proposal 12468 - Visit 86 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:32 GMT 2013

Visit	Proposal 12468, Visit 86, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(86)	143707	TYPE=ASTEROID,A=56.1386637540 00,E=0.421381573740,I=7.528168917 100,O=265.278547100000,W=112.635 618220000,M=6.503204306100,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 143707 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.2 Arcsec</i>							

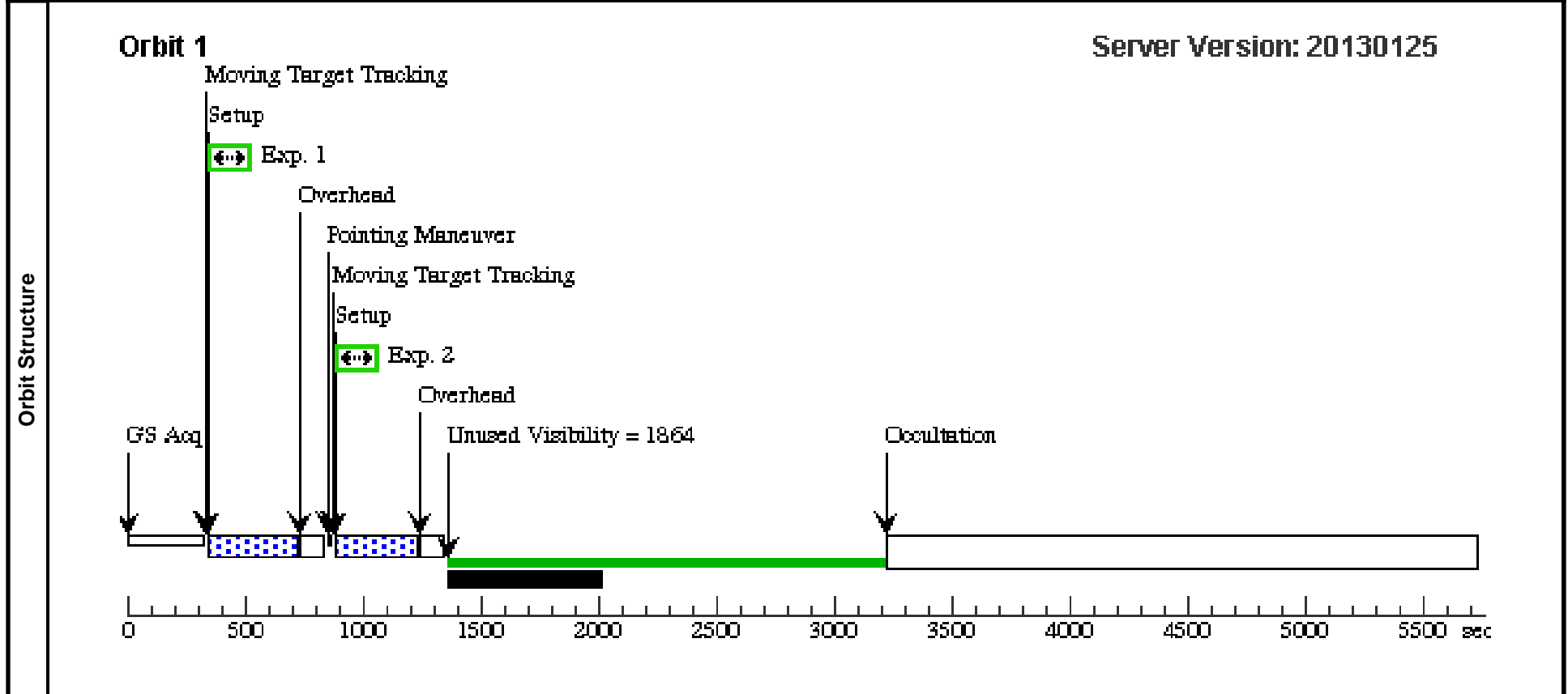
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(86)	143707		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2	(86)	143707		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]



Visit	Proposal 12468, Visit 87, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(87)	119068		TYPE=ASTEROID,A=54.8388295450 00,E=0.354232591550,I=12.92566408 6000,O=57.874291416000,W=179.949 951150000,M=10.353133181000,EQU INOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			A_VEL 119068 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 1.9 Arcsec</i>							

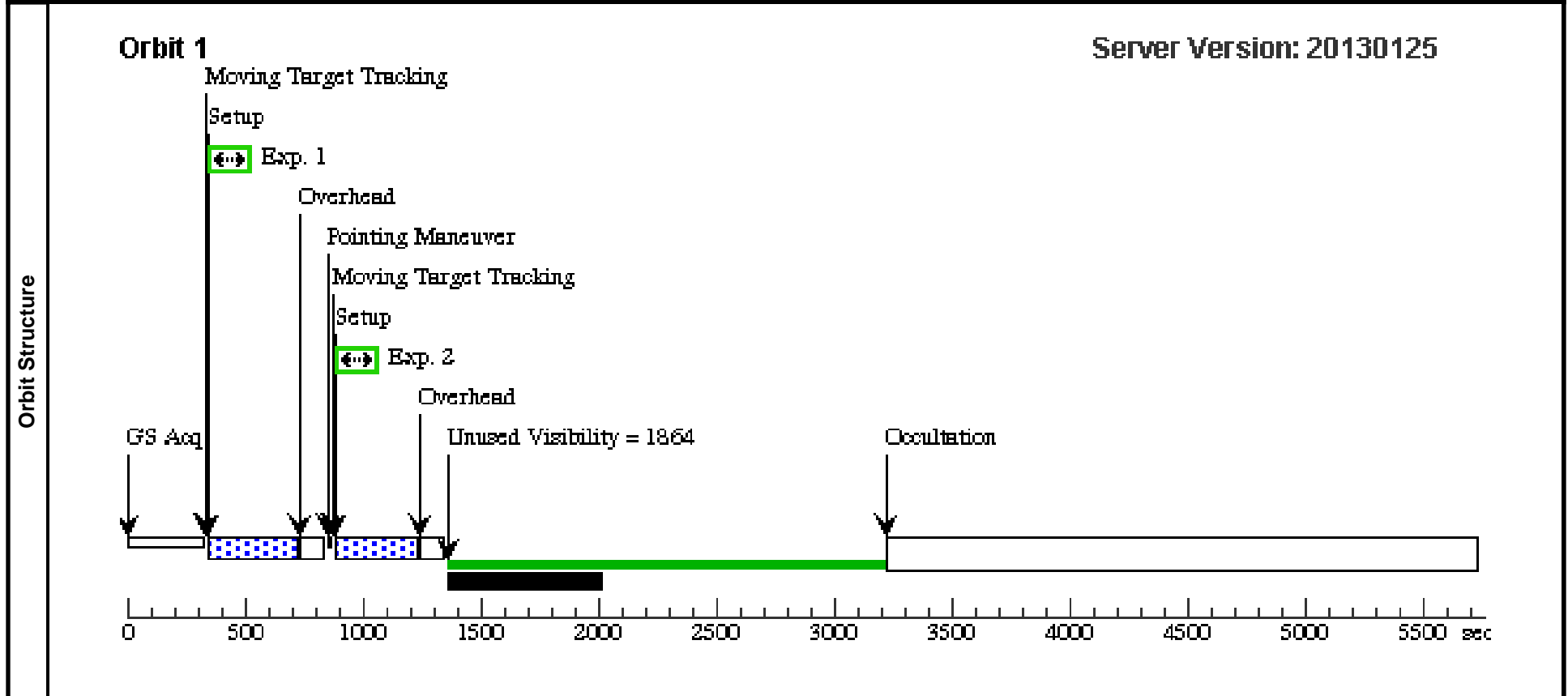
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(87) 119068		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(87) 119068		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[==>]	[1]



Visit	Proposal 12468, Visit 88, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(88)	69988		TYPE=ASTEROID,A=55.5208924030 00,E=0.428761676870,I=9.444347047 100,O=20.671042890000,W=310.6150 79210000,M=39.334952558000,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			
<i>Comments:</i> Acquisition Uncertainty: 28.6 Arcsec							
A_VEL 69988 FROM EARTH GT 0.00005 EARTH							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(88) 69988		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs
									[==>]	[1]
2		(88) 69988		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs	
									[==>]	[1]



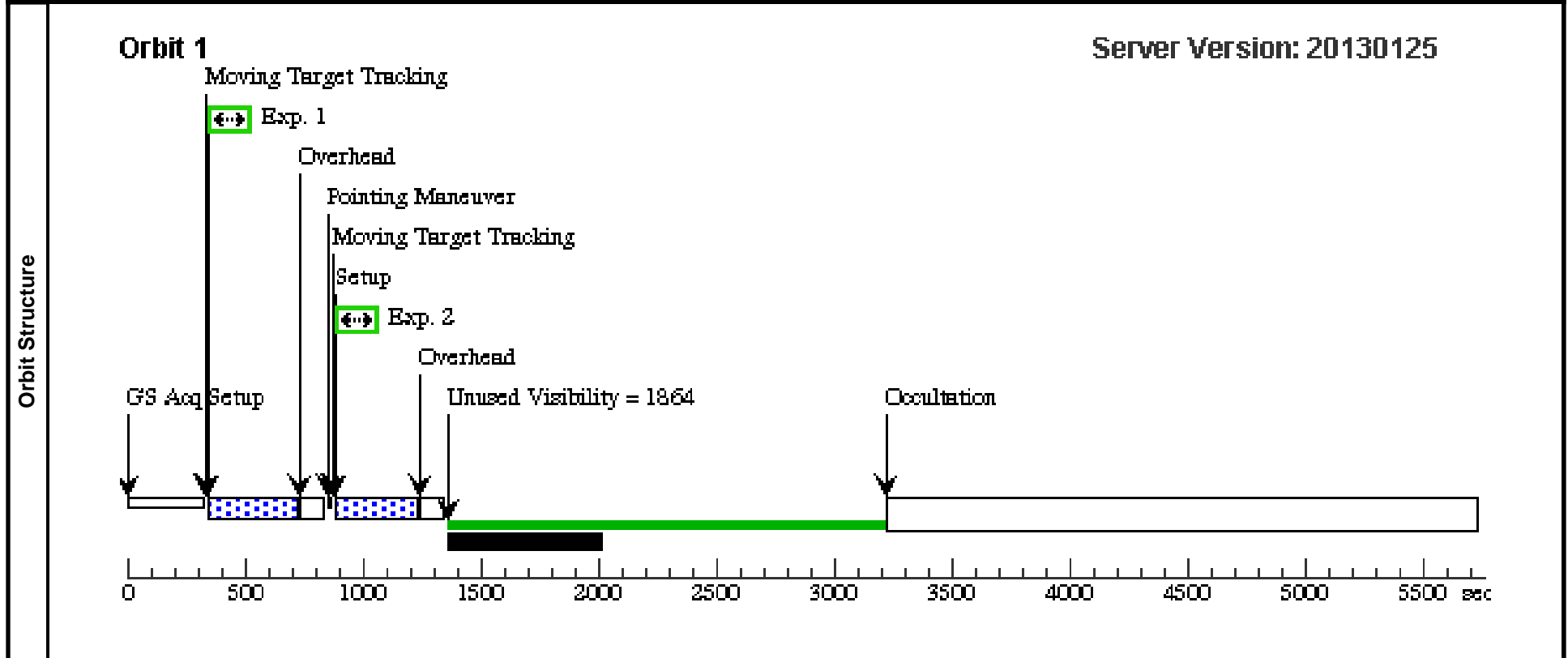
Proposal 12468 - Visit 89 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:35 GMT 2013

Visit	Proposal 12468, Visit 89, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(89)	06QJ181	TYPE=ASTEROID,A=63.3270529490 00,E=0.500193315140,I=20.02900325 6000,O=249.780746690000,W=218.51 1728180000,M=349.358780400000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB			
	<i>Comments:</i>						
	<i>Acquisition Uncertainty: 0.6 Arcsec</i>						

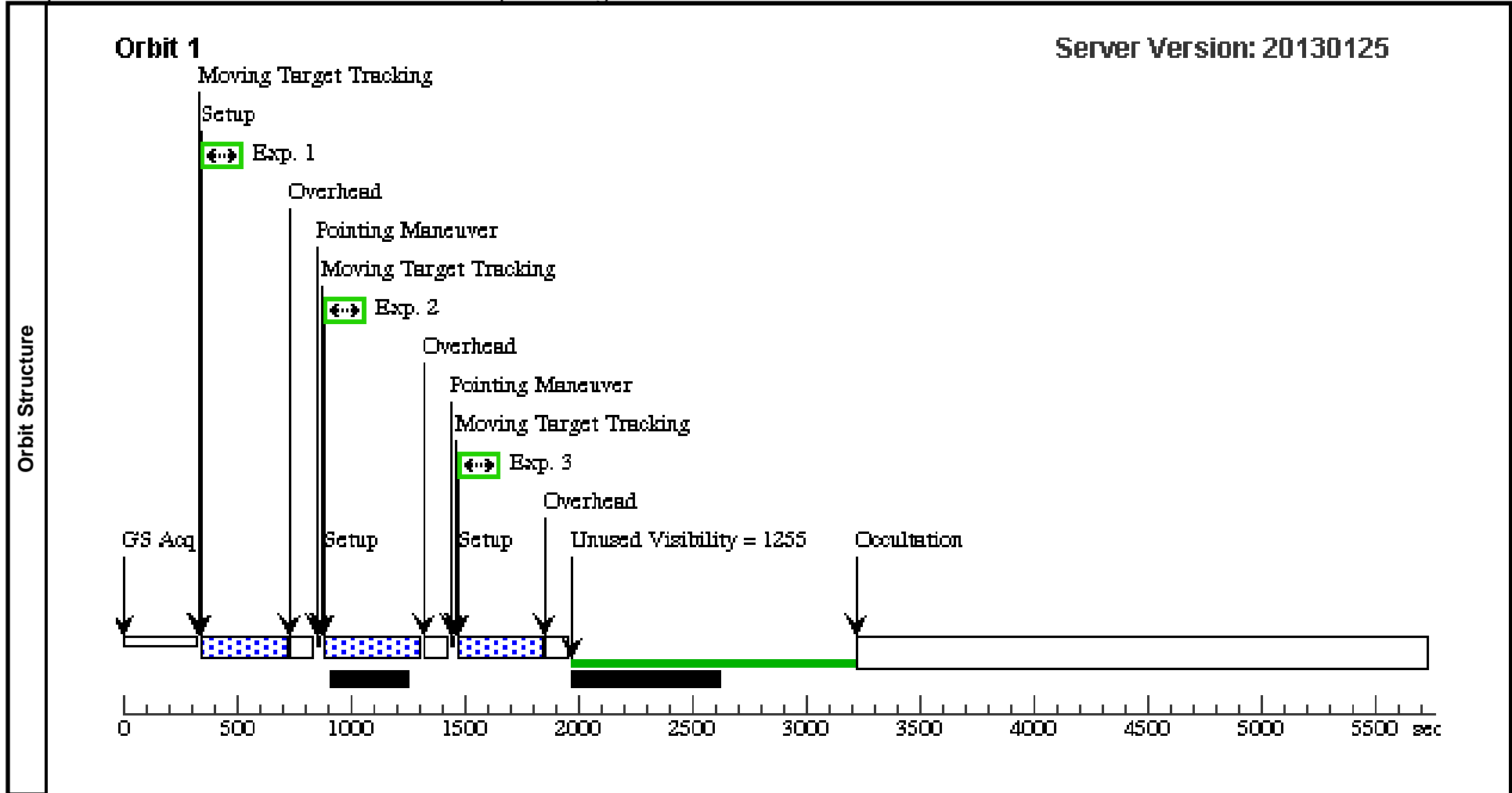
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1		(89) 06QJ181	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [=>]
	2		(89) 06QJ181	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [=>]	[1]



Proposal 12468 - Visit 90 - How Fast Did Neptune Migrate? A Search for Cold Red Resonant Binaries

Tue Apr 30 01:09:35 GMT 2013

Visit	Proposal 12468, Visit 90, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(90)	10EK139	TYPE=ASTEROID,A=68.9059370890 00,E=0.528550986080,I=29.47124627 3000,O=346.206624630000,W=284.87 1131290000,M=343.299808080000,E QUINOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 10EK139 FROM EARTH GT 0.00005	EARTH		
	Comments: Acquisition Uncertainty: 0.2 Arcsec									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(90) 10EK139	WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs	
									[==>]	[1]
	2		(90) 10EK139	WFC3/UVIS, ACCUM, UVIS1	F814W		POS TARG 0.225,0. 225		400 Secs	
								[==>]	[1]	
3		(90) 10EK139	WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs		
								[==>]	[1]	



Visit	Proposal 12468, Visit 91, scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/UVIS					
	Special Requirements: (none)					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(91)	09KN30	TYPE=ASTEROID,A=68.9711323770 00,E=0.558349172710,I=4.622608680 100,O=284.693783880000,W=306.177 742630000,M=6.247560659100,EQUI NOX=J2000,EPOCH=22-JUN- 2012:00:00:00,EpochTimeScale=TDB				A_VEL 09KN30 FROM EARTH GT 0.00005
<i>Comments:</i>							
<i>Acquisition Uncertainty: 0.2 Arcsec</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(91) 09KN30		WFC3/UVIS, ACCUM, UVIS1	F606W				350 Secs [==>]
2		(91) 09KN30		WFC3/UVIS, ACCUM, UVIS1	F606W		POS TARG 0.45,0.4 5		350 Secs [==>]	[1]

