



15344 - Centaurs and Activity Beyond the Water Sublimation Zone

Cycle: 25, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. David Jewitt (PI) (Contact)	University of California - Los Angeles	jewitt@ucla.edu
Dr. Jing Li (CoI)	University of California - Los Angeles	jli@igpp.ucla.edu
Max Mutchler (CoI) (Contact)	Space Telescope Science Institute	mutchler@stsci.edu
Dr. Jessica Agarwal (CoI) (ESA Member) (Contact)	Max Planck Institute for Solar System Research	agarwal@mps.mpg.de

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) 2015VT152	WFC3/UVIS	1	20-Jul-2017 12:30:30.0	yes
02	(2) 2016AE193	WFC3/UVIS	1	20-Jul-2017 12:30:30.0	yes
03	(3) 2016GR206	WFC3/UVIS	1	20-Jul-2017 12:30:31.0	yes
04	(4) 2015BF518	WFC3/UVIS	1	20-Jul-2017 12:30:31.0	yes
05	(5) 2014JG80	WFC3/UVIS	1	20-Jul-2017 12:30:32.0	yes
06	(6) 2014WV508	WFC3/UVIS	1	20-Jul-2017 12:30:32.0	yes
07	(7) 2014UT114	WFC3/UVIS	1	20-Jul-2017 12:30:33.0	yes
08	(8) 2013QQ95	WFC3/UVIS	1	20-Jul-2017 12:30:33.0	yes
09	(9) 2000QB243	WFC3/UVIS	1	20-Jul-2017 12:30:33.0	yes
10	(10) 2005RL43	WFC3/UVIS	1	20-Jul-2017 12:30:34.0	yes
11	(11) 2011FY9	WFC3/UVIS	1	20-Jul-2017 12:30:34.0	yes

Proposal 15344 (STScI Edit Number: 0, Created: Thursday, July 20, 2017 11:30:58 AM 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>
12	(12) 2007RG283	WFC3/UVIS	1	20-Jul-2017 12:30:34.0	yes
13	(13) 2012DD86	WFC3/UVIS	1	20-Jul-2017 12:30:35.0	yes
14	(14) 2001XZ255	WFC3/UVIS	1	20-Jul-2017 12:30:35.0	yes
15	(15) 2013PH44	WFC3/UVIS	1	20-Jul-2017 12:30:35.0	yes
16	(16) 2014FB72	WFC3/UVIS	1	20-Jul-2017 12:30:36.0	yes
17	(17) 2011QF99	WFC3/UVIS	1	20-Jul-2017 12:30:36.0	yes
18	(18) 2013UR15	WFC3/UVIS	1	20-Jul-2017 12:30:36.0	yes
19	(19) 2010LO33	WFC3/UVIS	1	20-Jul-2017 12:30:37.0	yes
20	(20) 2013PU74	WFC3/UVIS	1	20-Jul-2017 12:30:37.0	yes
21	(21) 2014GR53	WFC3/UVIS	1	20-Jul-2017 12:30:37.0	yes
22	(22) 2014MX69	WFC3/UVIS	1	20-Jul-2017 12:30:38.0	yes
23	(23) 2015BD518	WFC3/UVIS	1	20-Jul-2017 12:30:38.0	yes
24	(24) 2014LM28	WFC3/UVIS	1	20-Jul-2017 12:30:38.0	yes
25	(25) 2014LN28	WFC3/UVIS	1	20-Jul-2017 12:30:39.0	yes
26	(26) 2013MZ11	WFC3/UVIS	1	20-Jul-2017 12:30:39.0	yes
27	(27) 2007NC7	WFC3/UVIS	1	20-Jul-2017 12:30:39.0	yes
28	(28) 2007TK422	WFC3/UVIS	1	20-Jul-2017 12:30:40.0	yes
29	(29) 2015BF515	WFC3/UVIS	1	20-Jul-2017 12:30:40.0	yes
30	(30) 2011UH413	WFC3/UVIS	1	20-Jul-2017 12:30:40.0	yes
31	(31) 2000EE173	WFC3/UVIS	1	20-Jul-2017 12:30:41.0	yes
32	(32) 2014GQ53	WFC3/UVIS	1	20-Jul-2017 12:30:41.0	yes
33	(33) 2002CR46	WFC3/UVIS	1	20-Jul-2017 12:30:41.0	yes
34	(34) 1999OX3	WFC3/UVIS	1	20-Jul-2017 12:30:42.0	yes
35	(35) 2007BP102	WFC3/UVIS	1	20-Jul-2017 12:30:42.0	yes
36	(36) 2003FX128	WFC3/UVIS	1	20-Jul-2017 12:30:42.0	yes

Proposal 15344 (STScI Edit Number: 0, Created: Thursday, July 20, 2017 11:30:58 AM 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>
37	(37) 2014JE80	WFC3/UVIS	1	20-Jul-2017 12:30:43.0	yes
38	(38) 2014XQ40	WFC3/UVIS	1	20-Jul-2017 12:30:43.0	yes
39	(39) 2004MW8	WFC3/UVIS	1	20-Jul-2017 12:30:43.0	yes
40	(40) 2012GU11	WFC3/UVIS	1	20-Jul-2017 12:30:44.0	yes
41	(41) 2010FB49	WFC3/UVIS	1	20-Jul-2017 12:30:44.0	yes
42	(42) 2014DB143	WFC3/UVIS	1	20-Jul-2017 12:30:45.0	yes
43	(43) 2014NX65	WFC3/UVIS	1	20-Jul-2017 12:30:45.0	yes
44	(44) 2013CE223	WFC3/UVIS	1	20-Jul-2017 12:30:45.0	yes
45	(45) 2005UN524	WFC3/UVIS	1	20-Jul-2017 12:30:46.0	yes
46	(46) 2010WG9	WFC3/UVIS	1	20-Jul-2017 12:30:46.0	yes
47	(47) 2014JF80	WFC3/UVIS	1	20-Jul-2017 12:30:46.0	yes
48	(48) 2013KZ18	WFC3/UVIS	1	20-Jul-2017 12:30:47.0	yes
49	(49) 2004VH131	WFC3/UVIS	1	20-Jul-2017 12:30:47.0	yes
50	(50) 2012CE17	WFC3/UVIS	1	20-Jul-2017 12:30:47.0	yes
51	(51) 2014JD80	WFC3/UVIS	1	20-Jul-2017 12:30:48.0	yes
52	(52) 2013RG98	WFC3/UVIS	1	20-Jul-2017 12:30:48.0	yes
53	(53) 2011OD16	WFC3/UVIS	1	20-Jul-2017 12:30:48.0	yes
54	(54) 2003QZ91	WFC3/UVIS	1	20-Jul-2017 12:30:49.0	yes
55	(55) 2010GF65	WFC3/UVIS	1	20-Jul-2017 12:30:49.0	yes
56	(56) 2013HX156	WFC3/UVIS	1	20-Jul-2017 12:30:49.0	yes
57	(57) 2012VU85	WFC3/UVIS	1	20-Jul-2017 12:30:50.0	yes
58	(58) 2008AU138	WFC3/UVIS	1	20-Jul-2017 12:30:50.0	yes
59	(59) 2013FN28	WFC3/UVIS	1	20-Jul-2017 12:30:50.0	yes
60	(60) 2011FX62	WFC3/UVIS	1	20-Jul-2017 12:30:51.0	yes
61	(61) 2006UX184	WFC3/UVIS	1	20-Jul-2017 12:30:51.0	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>
62	(62) 2004VM131	WFC3/UVIS	1	20-Jul-2017 12:30:51.0	yes
63	(63) 1998BU48	WFC3/UVIS	1	20-Jul-2017 12:30:52.0	yes
64	(64) 2000OO67	WFC3/UVIS	1	20-Jul-2017 12:30:52.0	yes
65	(65) 2002PQ152	WFC3/UVIS	1	20-Jul-2017 12:30:52.0	yes
66	(66) 2013UE15	WFC3/UVIS	1	20-Jul-2017 12:30:53.0	yes
67	(67) 2002XU93	WFC3/UVIS	1	20-Jul-2017 12:30:53.0	yes
68	(68) 2010TY53	WFC3/UVIS	1	20-Jul-2017 12:30:53.0	yes
69	(69) 2007RW10	WFC3/UVIS	1	20-Jul-2017 12:30:54.0	yes
70	(70) 2013TC146	WFC3/UVIS	1	20-Jul-2017 12:30:54.0	yes
71	(71) 2008KV42	WFC3/UVIS	1	20-Jul-2017 12:30:54.0	yes
72	(72) 2010EN65	WFC3/UVIS	1	20-Jul-2017 12:30:55.0	yes
73	(73) 2014SB349	WFC3/UVIS	1	20-Jul-2017 12:30:55.0	yes
74	(74) 2014GP53	WFC3/UVIS	1	20-Jul-2017 12:30:55.0	yes
75	(75) 2010TV191	WFC3/UVIS	1	20-Jul-2017 12:30:56.0	yes
76	(76) 2013MY11	WFC3/UVIS	1	20-Jul-2017 12:30:56.0	yes

76 Total Orbits Used

ABSTRACT

Centaurs are icy objects in dynamical transition between the Kuiper belt, where they originate, and the Jupiter family comets. Water ice in inward drifting Centaurs should begin to sublimate measurably when their perihelion reaches the orbit of Jupiter (5 AU). Instead, a fraction of Centaurs become active (have a cometary appearance) even with perihelia at Saturn (10 AU). Of the many suggestions made for the origin of this distant activity, the current favorite and the one with the largest impact on cometary science is the crystallization of amorphous water ice. Amorphous ice is an excellent carrier of supervolatiles (e.g. CO, N₂) which are released upon the exothermic transition to crystalline ice. If Centaur ice is amorphous, then so must be Kuiper belt ice, setting strong constraints on the internal temperature vs. time history of the Kuiper belt objects. If the crystallization hypothesis is correct, we should never find an active Centaur with a perihelion substantially beyond the so-called crystallization line at about 12 AU (because temperatures there are too low to trigger crystallization). We propose a simple search for distant activity in Centaurs with perihelia 15 to 20

AU, in which crystallization cannot occur, in order to challenge the crystallization hypothesis. The search is made possible by the tight and stable point spread function and sensitivity to near-nucleus coma of HST.

OBSERVING DESCRIPTION

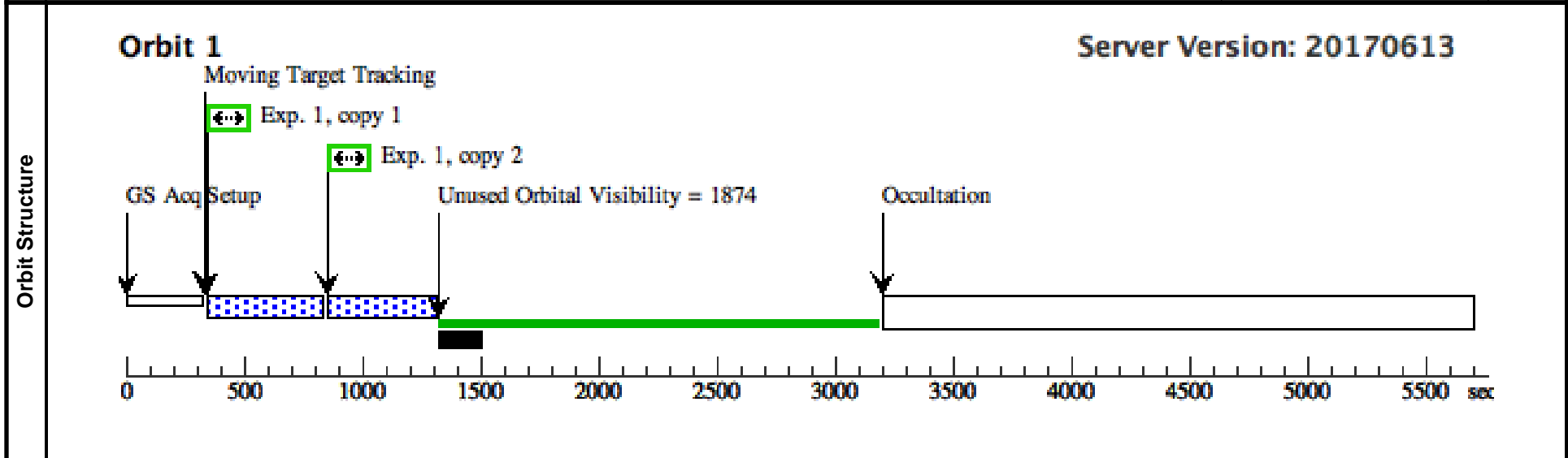
For each object we require a minimum of two integrations, without saturating the central body, in order to probe the smallest angles, while providing some protection from cosmic rays. The brightest Centaurs in our sample have $V=18$ for which saturation is not a concern in integrations < 250 s.

Therefore, our minimum need is for back-to-back 300s integrations. If the SNAP visit allows more time, we would simply accumulate more integrations in order to beat down the noise and obtain fainter limits to the coma.

Visit	Proposal 15344, Visit 01					
	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)	2015VT152	TYPE=COMET,Q=15.843377812009 96,E=0.180583625352788,I=39.75872 254973059,O=137.8914891323597,W =49.0078774230296,T=13-DEC- 2051:23:42:05,TimeScale=TDB,EQ UINOX=J2000,EPOCH=17-NOV- 2015:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

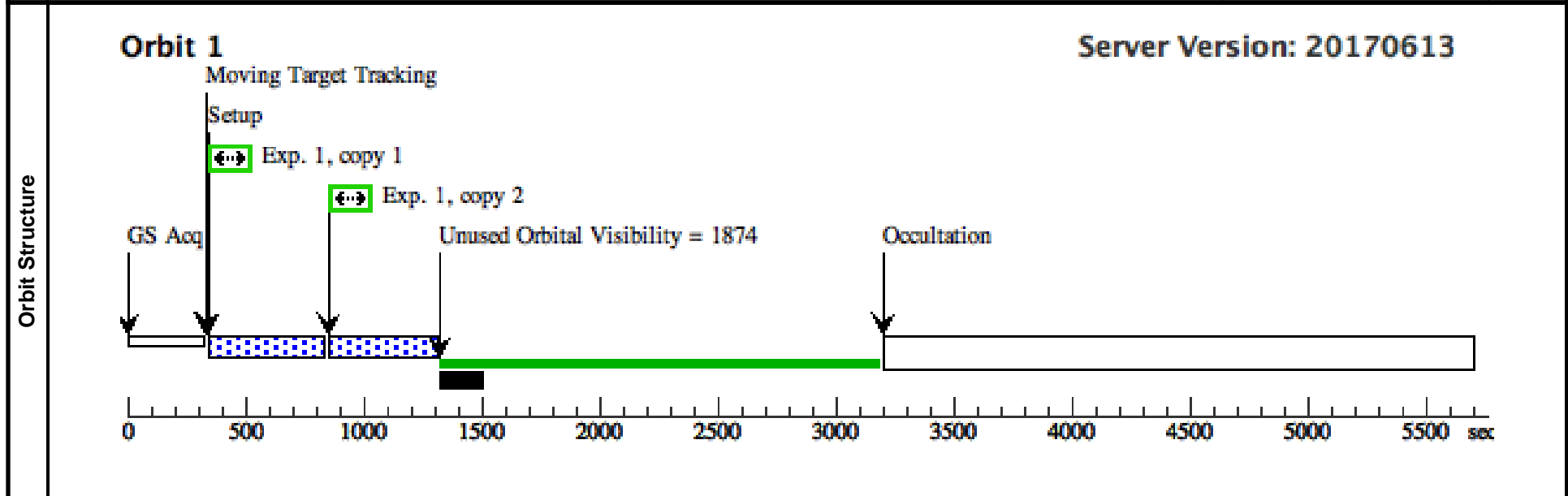
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) 2015VT152	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[=>(Copy 1)]	
									[=>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 02					
	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)	2016AE193	TYPE=COMET,Q=16.522239990297 49,E=0.4730214092272567,I=10.2427 4875683455,O=292.3800615811534, W=171.2434829471874,T=08-APR- 2014:08:39:34,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=07-OCT- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

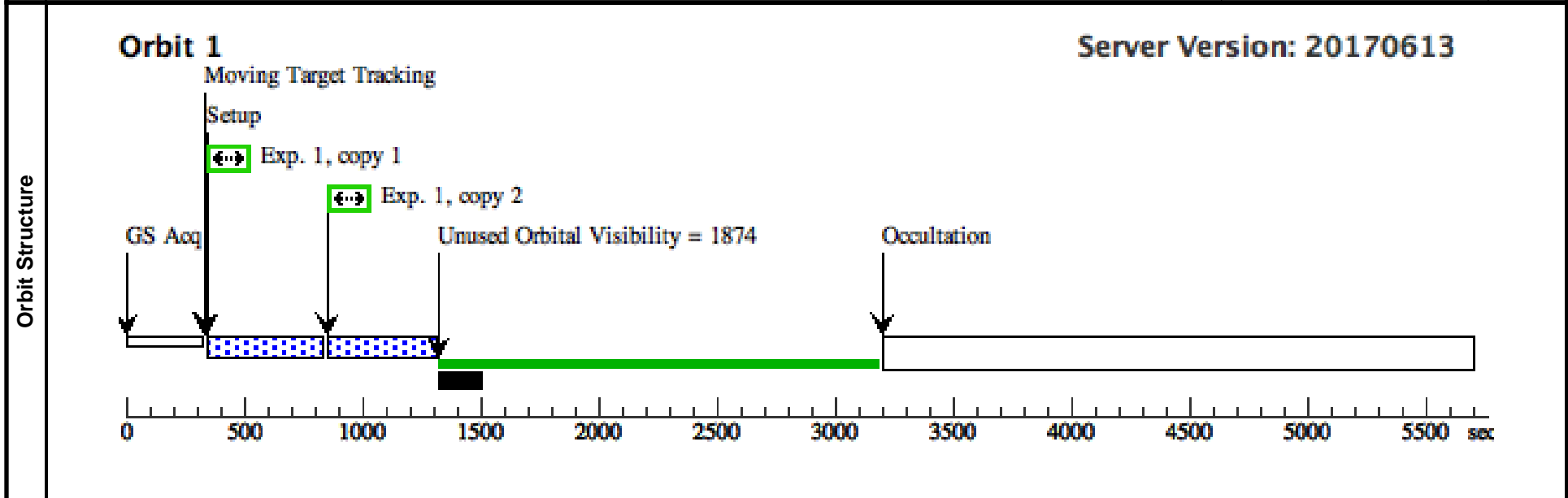
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) 2016AE193		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 03					
	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)	2016GR206	TYPE=COMET,Q=18.615111381434 41,E=0.08313157896855479,I=14.230 00633506787,O=93.31829239708945, W=71.219240228674,T=08-JUL- 2013:18:04:37,TimeScale=TDB,EQ UINOX=J2000,EPOCH=28-AUG- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

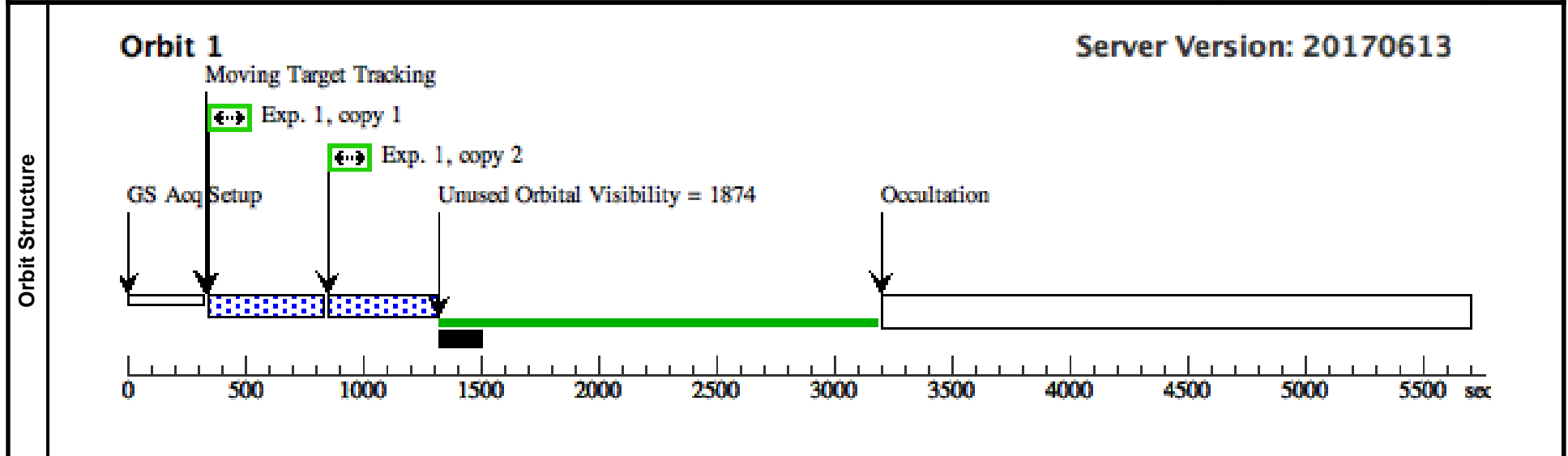
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) 2016GR206		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 04					
	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)	2015BF518	TYPE=COMET,Q=17.215706203990 82,E=0.3377004545264884,I=14.9549 023375424,O=223.1690193116078,W =326.3835324521613,T=31-MAR- 2023:19:25:17,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=08-FEB- 2015:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

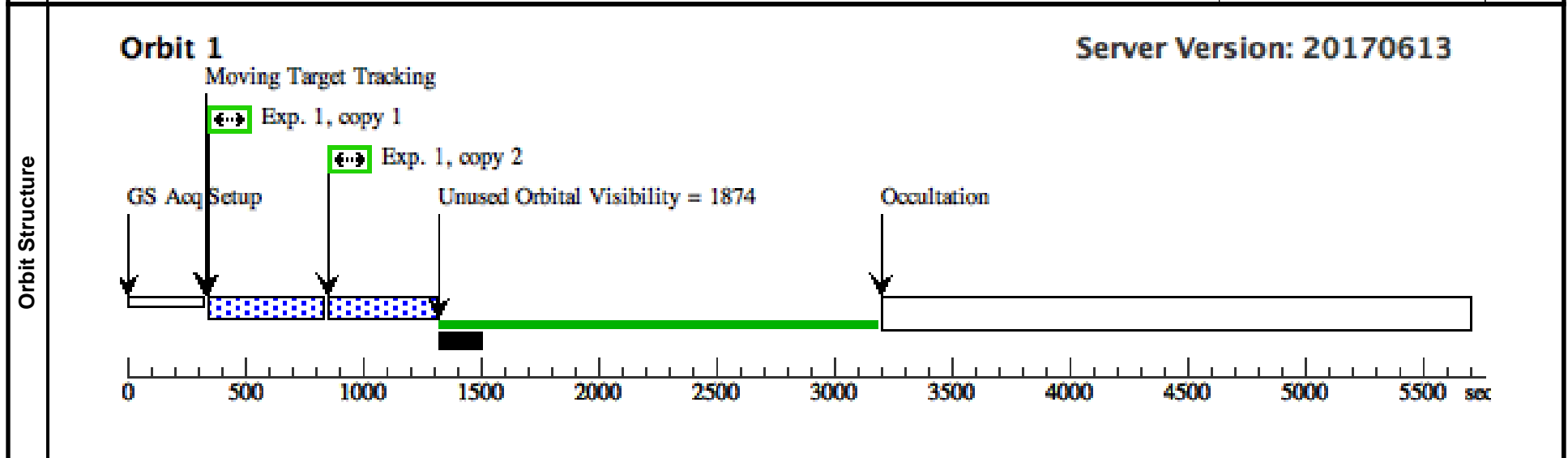
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) 2015BF518		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 05					
	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)	2014JG80	TYPE=COMET,Q=15.115235910172 53,E=0.2888854018599789,I=32.8016 6980858444,O=94.5770463922523,W =325.0342212077539,T=13-SEP- 1967:21:40:30,TimeScale=TDB,EQ UINOX=J2000,EPOCH=29-APR- 2014:00:00:00,EpochTimeScale=TDB				

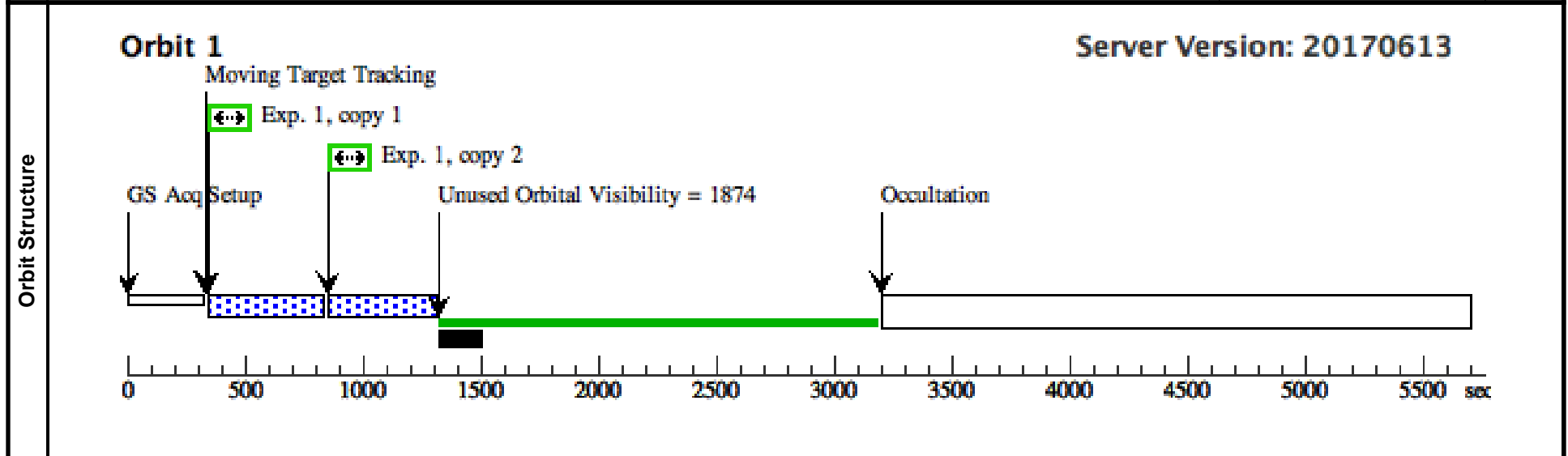
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) 2014JG80		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs) [=>(Copy 1)] [=>(Copy 2)]



Visit	Proposal 15344, Visit 06					
	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)	2014WV508	TYPE=COMET,Q=15.596537832802 03,E=0.7181201622238713,I=21.1840 2774810171,O=34.27681937529647, W=110.6816368943099,T=14-JAN- 2020:11:10:03,TimeScale=TDB,EQ UINOX=J2000,EPOCH=12-JAN- 2015:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

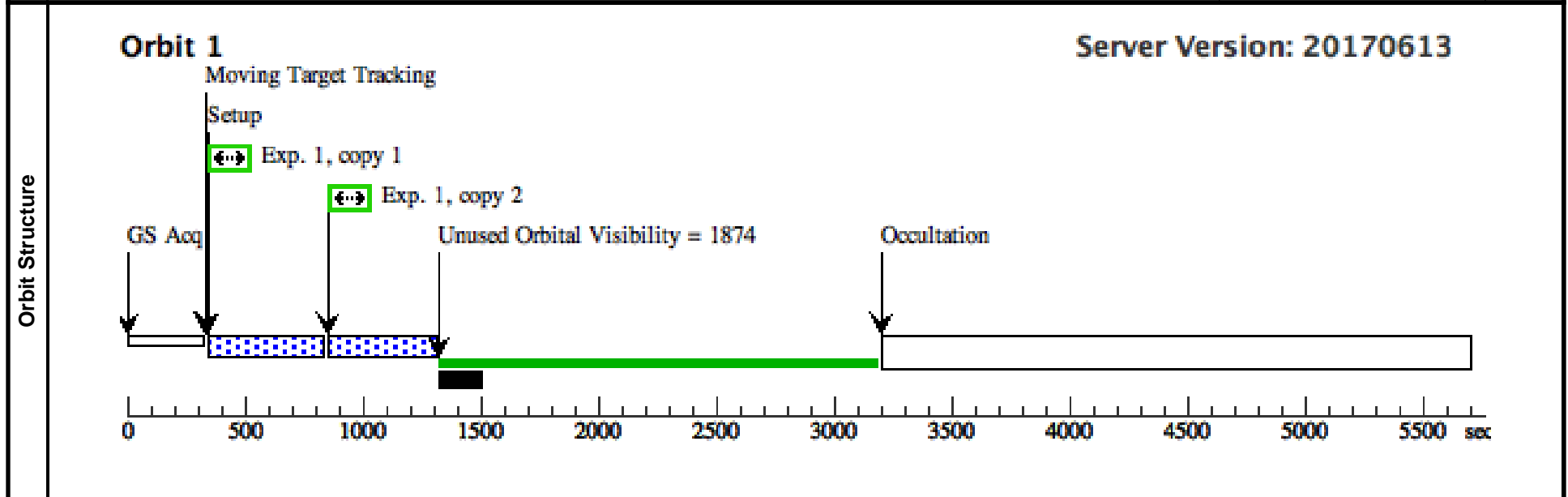
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) 2014WV508	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[=>(Copy 1)]	
									[=>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 07					
	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)	2014UT114	TYPE=COMET,Q=15.886104298770 45,E=0.4771732092429954,I=15.2060 0061796393,O=319.6938830265356, W=119.3842601581712,T=13-SEP- 2020:12:21:10,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=22-APR- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

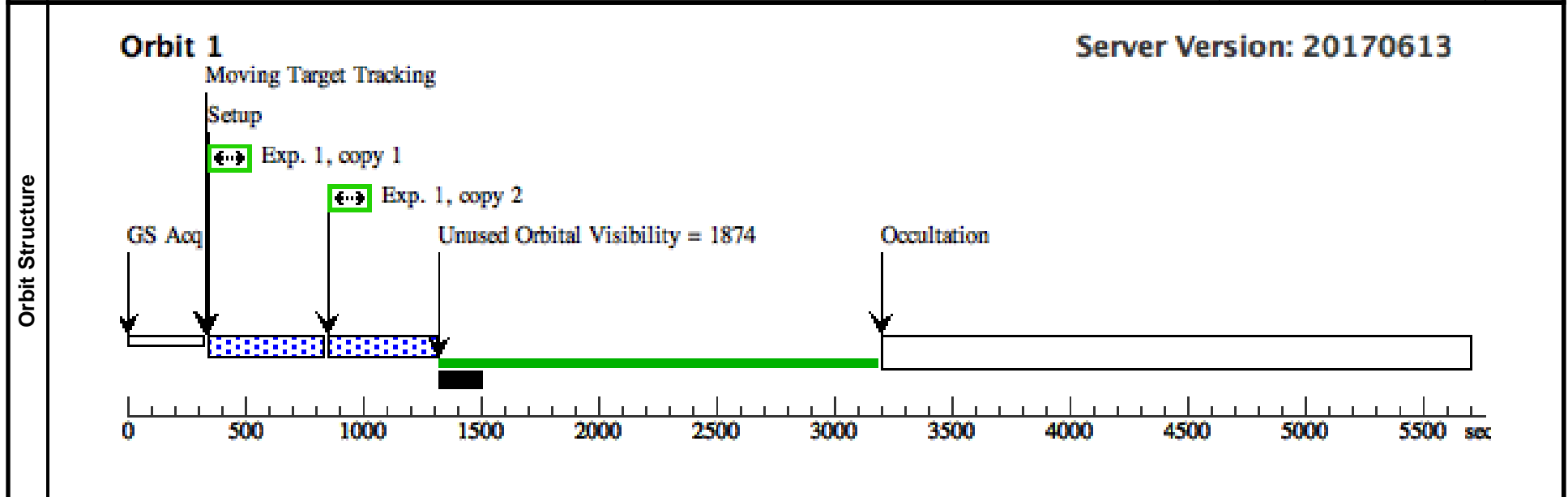
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) 2014UT114		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 08					
	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)	2013QQ95	TYPE=COMET,Q=15.133516503889 24,E=0.7730356270793047,I=25.7064 829629728,O=139.2130314237758,W =289.1776232602158,T=28-DEC- 2034:10:59:22,TimeScale=TDB,EQ UINOX=J2000,EPOCH=26-JUN- 2012:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

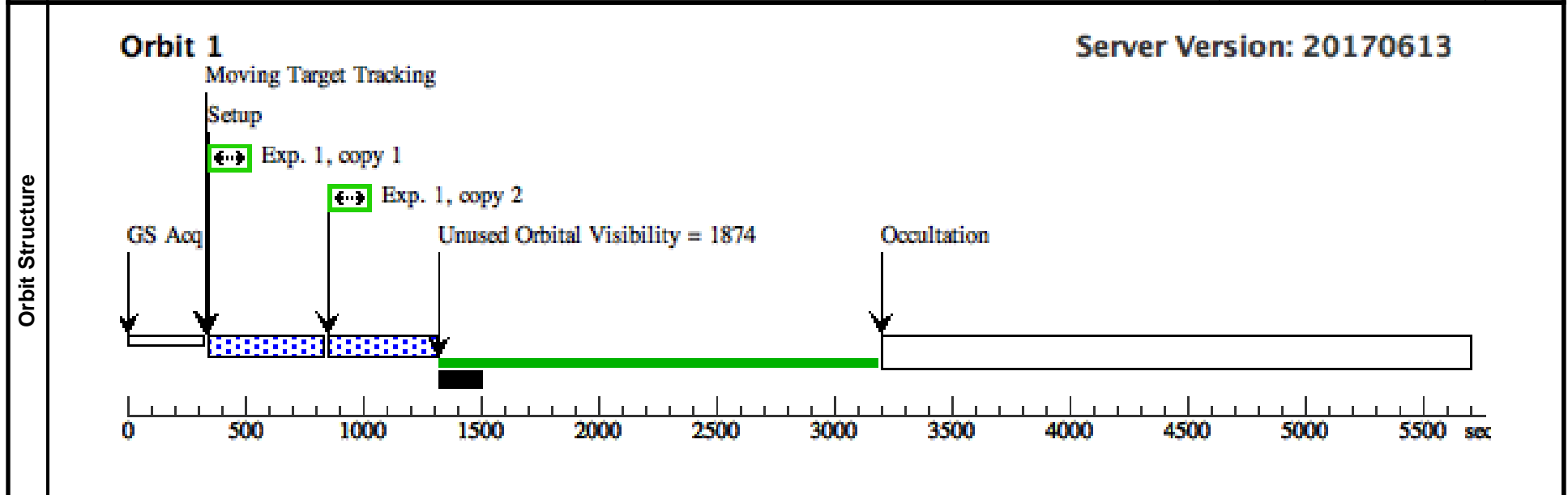
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) 2013QQ95	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 09					
	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)	2000QB243	TYPE=COMET,Q=15.208529243142 16,E=0.5612911881303775,I=6.80724 2445397497,O=330.147854790849,W =284.0437103514728,T=06-APR- 1992:08:23:55,TimeScale=TDB,EQ UINOX=J2000,EPOCH=19-NOV- 2003:00:00:00,EpochTimeScale=TDB				EARTH

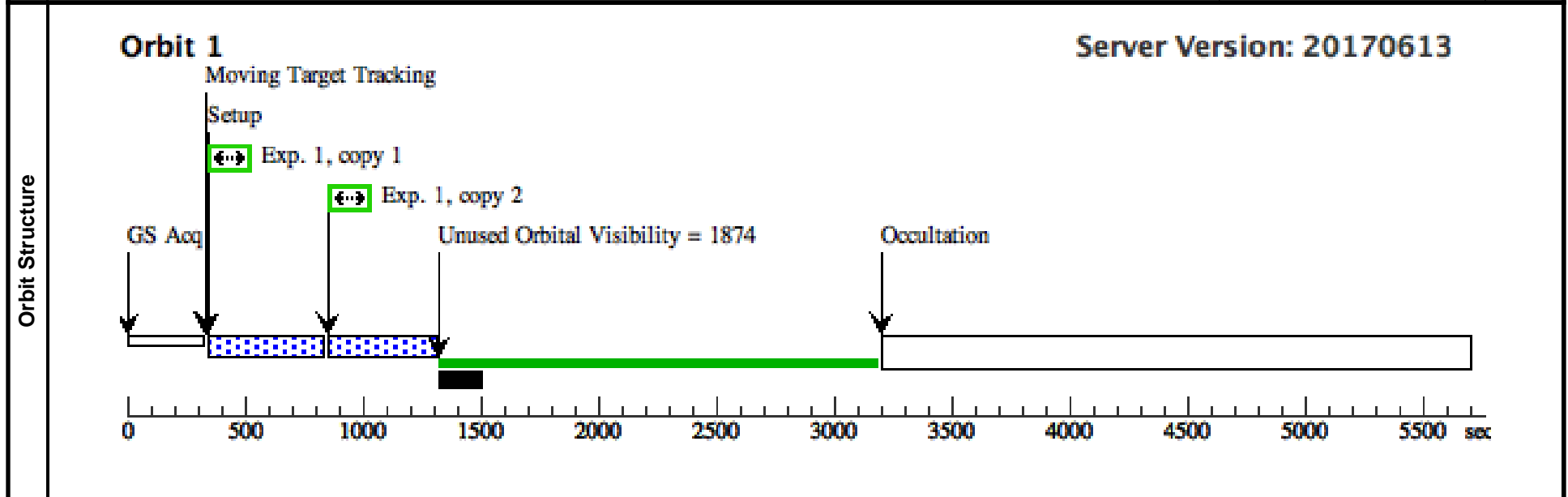
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) 2000QB243	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 10					
	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)	2005RL43	TYPE=COMET,Q=23.545814400598 3,E=0.04341530756768007,I=12.2591 0451251631,O=162.5670905859872, W=175.9659383143222,T=06-APR- 1993:10:27:09,TimeScale=TDB,EQ UINOX=J2000,EPOCH=02-MAR- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

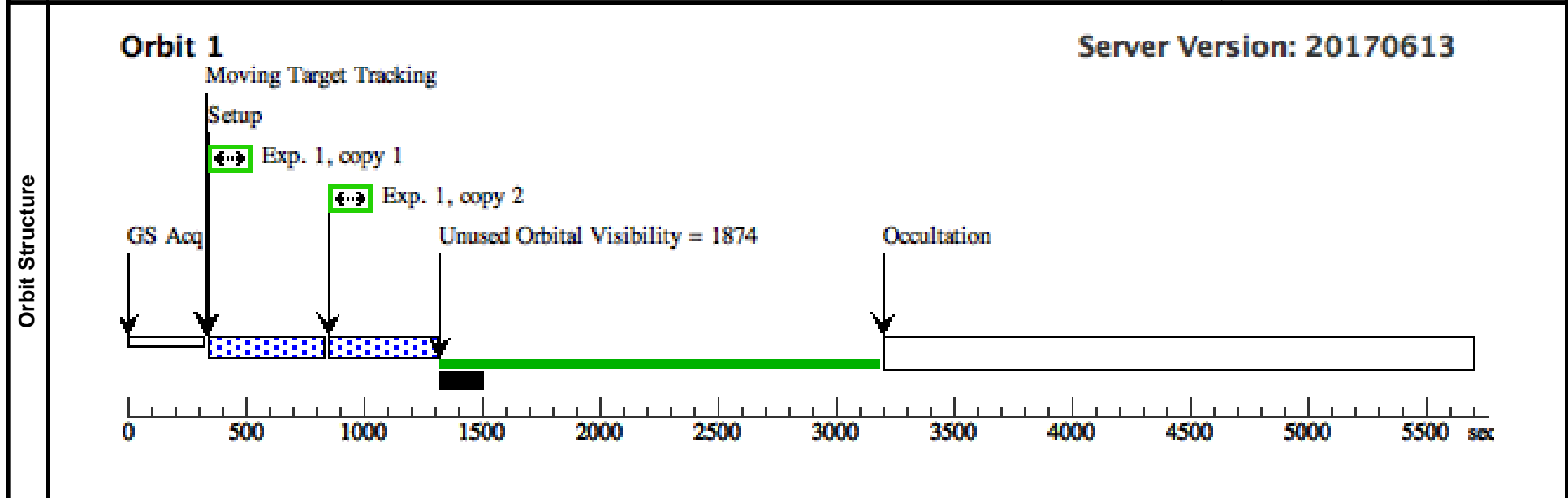
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) 2005RL43		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 11					
	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)	2011FY9	TYPE=COMET,Q=15.184243428283 06,E=0.7442259685150282,I=37.7521 0904873121,O=214.2967940580107, W=300.719846903514,T=08-AUG- 2008:17:26:23,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=06-MAR- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

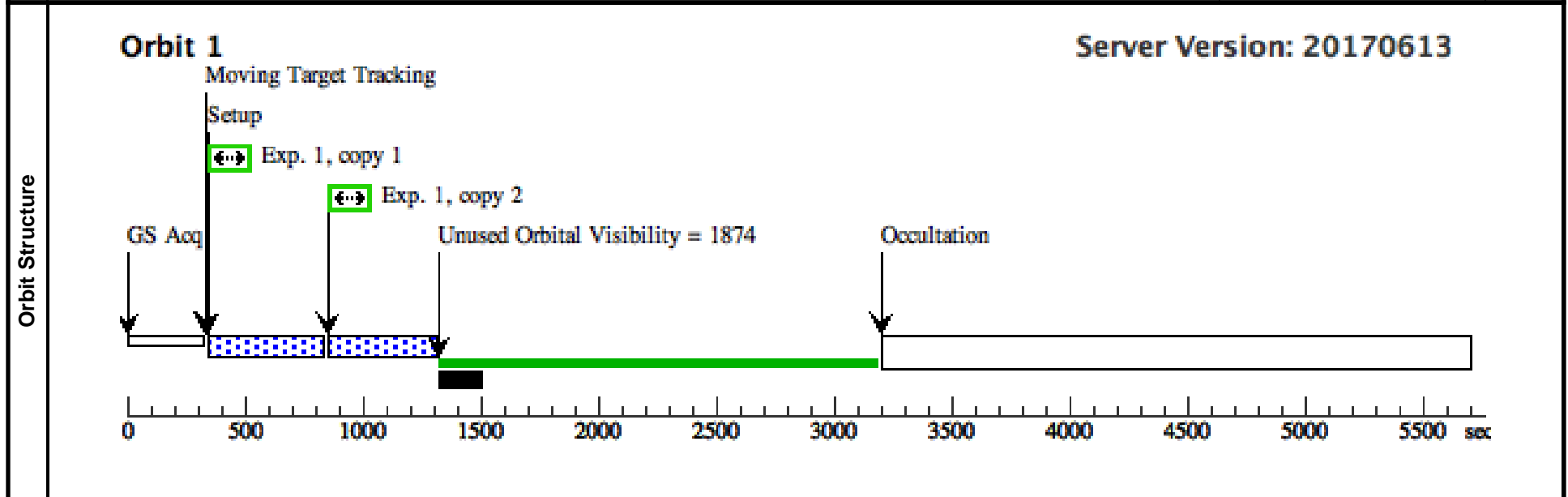
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) 2011FY9		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 12					
	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)	2007RG283	TYPE=COMET,Q=15.291628085818 78,E=0.2356791401644651,I=28.7603 8744812434,O=311.9219159289183, W=148.8287507570543,T=24-NOV- 2022:15:57:58,TimeScale=TDB,EQ UINOX=J2000,EPOCH=24-JUL- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

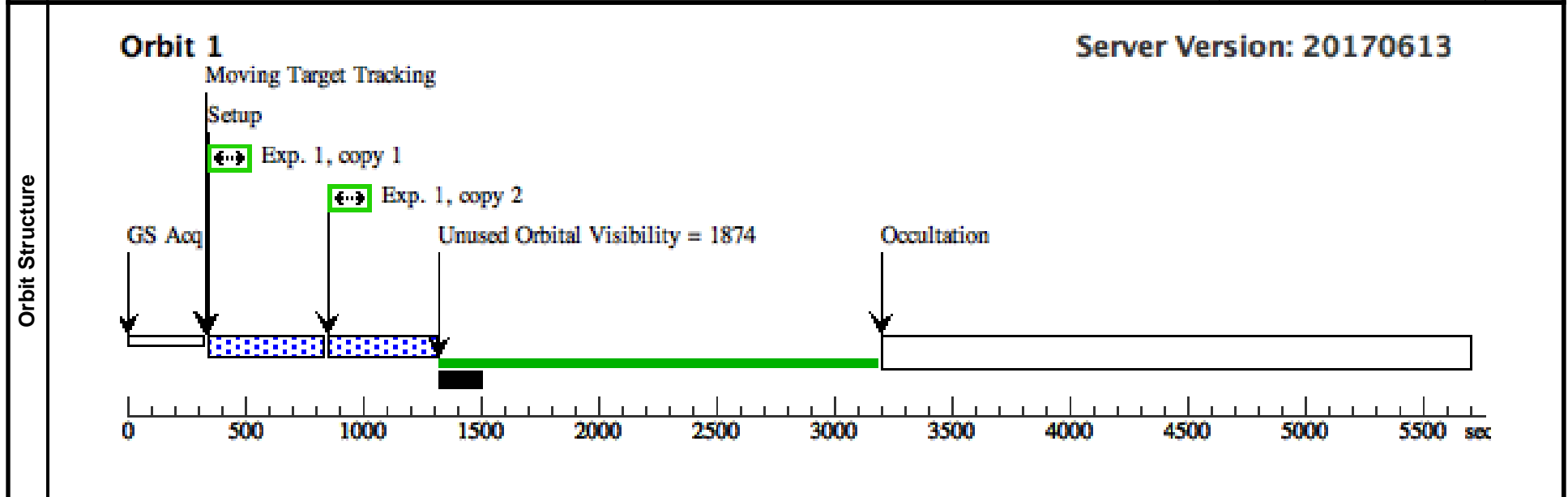
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) 2007RG283		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 13					
	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)	2012DD86	TYPE=COMET,Q=15.362591758570 68,E=0.3405090599387115,I=12.5091 5307058303,O=174.6253651055579, W=356.6519756349689,T=22-FEB- 2014:17:26:55,TimeScale=TDB,EQ UINOX=J2000,EPOCH=17-SEP- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

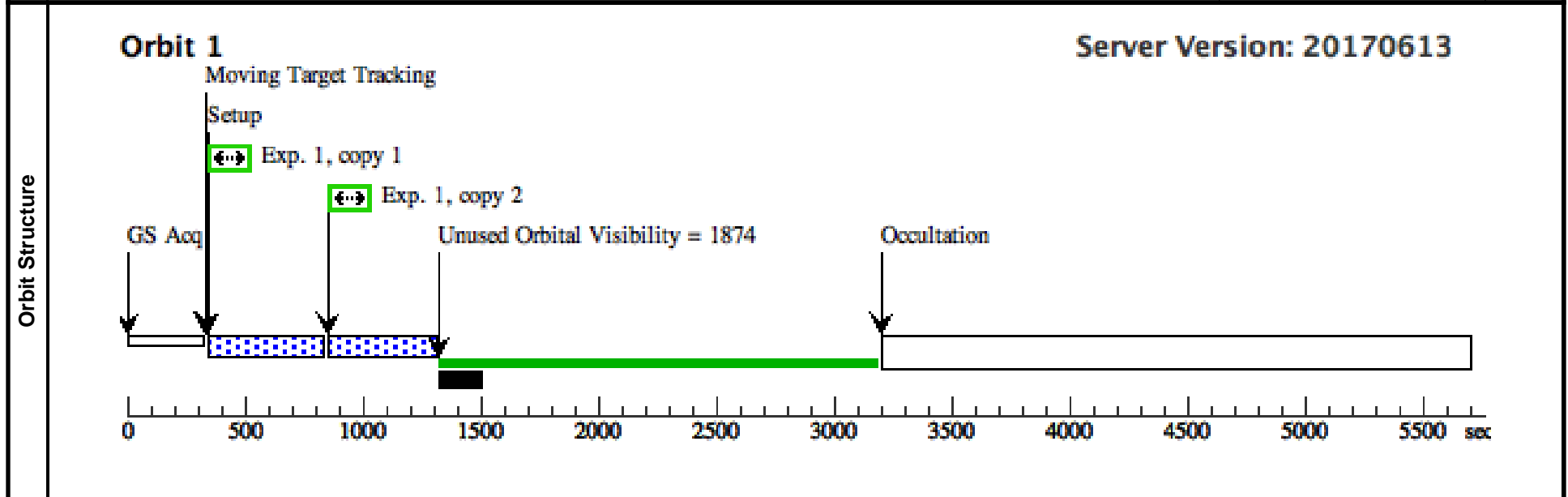
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) 2012DD86		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 14					
	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)	2001XZ255	TYPE=COMET,Q=15.479591075315 82,E=0.03398627958188124,I=2.6078 72566207818,O=77.8217971410325, W=293.2848698347937,T=22-APR- 1986:18:33:59,TimeScale=TDB,EQ UINOX=J2000,EPOCH=14-OCT- 2002:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

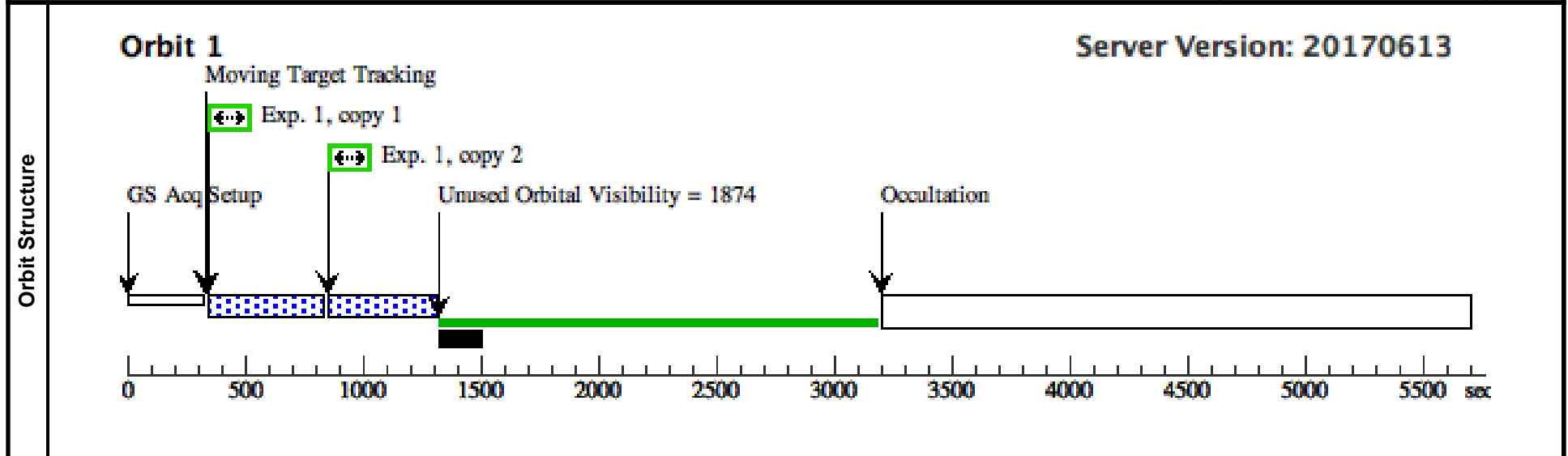
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(14) 2001XZ255		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 15					
	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)	2013PH44	TYPE=COMET,Q=15.531224994367 12,E=0.2079205725351524,I=33.5443 9607611945,O=160.8824726227055, W=178.6689263995658,T=27-APR- 2015:17:40:56,TimeScale=TDB,EQ UINOX=J2000,EPOCH=17-MAR- 2014:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

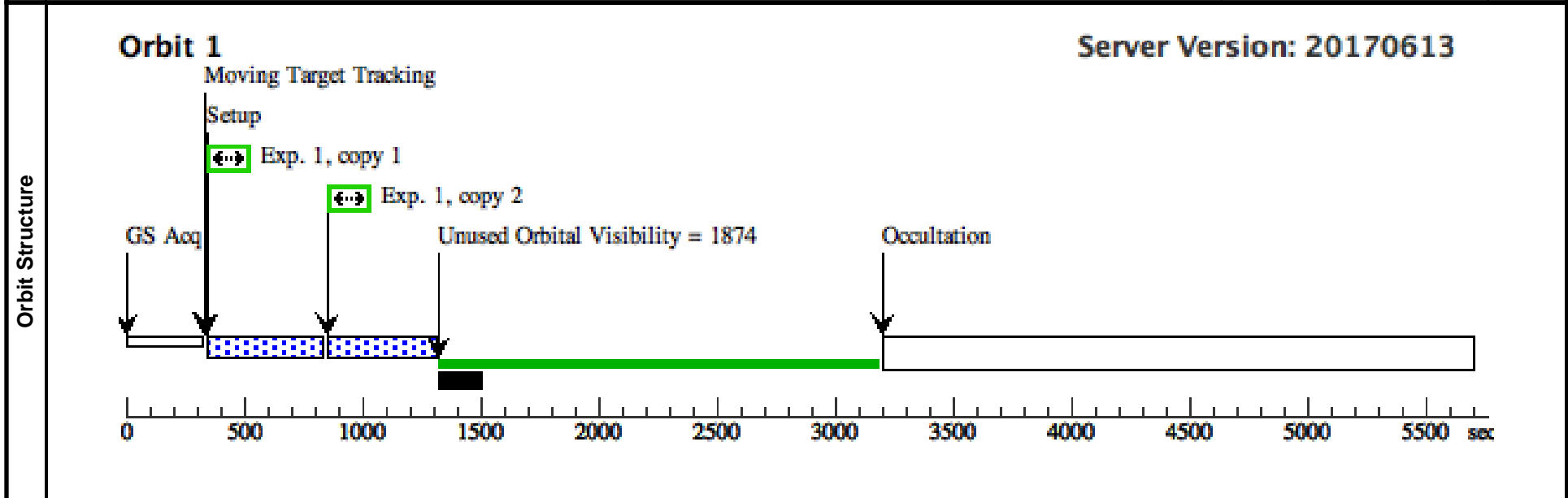
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) 2013PH44	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[=>(Copy 1)]	
									[=>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 16					
	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)	2014FB72	TYPE=COMET,Q=15.556885942453 55,E=0.3481403424702725,I=17.0210 3920126591,O=245.1735474537248, W=283.8036652460876,T=11-JUN- 2008:19:53:17,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=04-OCT- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

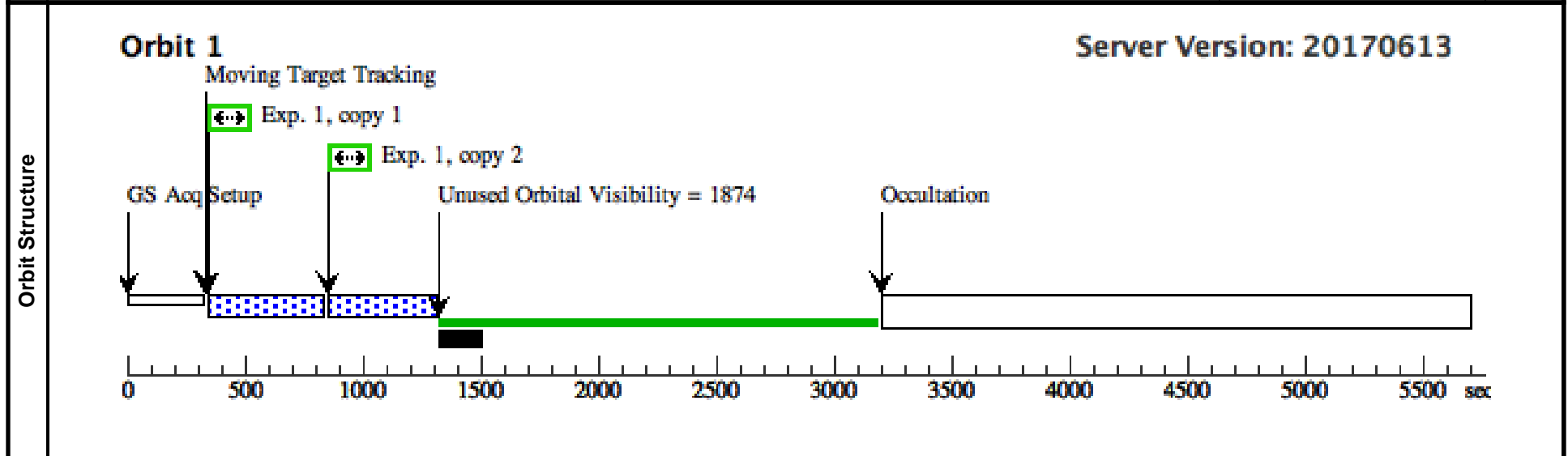
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(16) 2014FB72		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 17					
	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)	2011QF99	TYPE=COMET,Q=15.819556524433 12,E=0.1750056760999277,I=10.7932 1138109776,O=222.5125313045305, W=286.1325719300933,T=05-JAN- 2035:18:20:33,TimeScale=TDB,EQ UINOX=J2000,EPOCH=18-MAY- 2011:00:00:00,EpochTimeScale=TDB					EARTH
	<i>Comments: Extended=NO</i>							

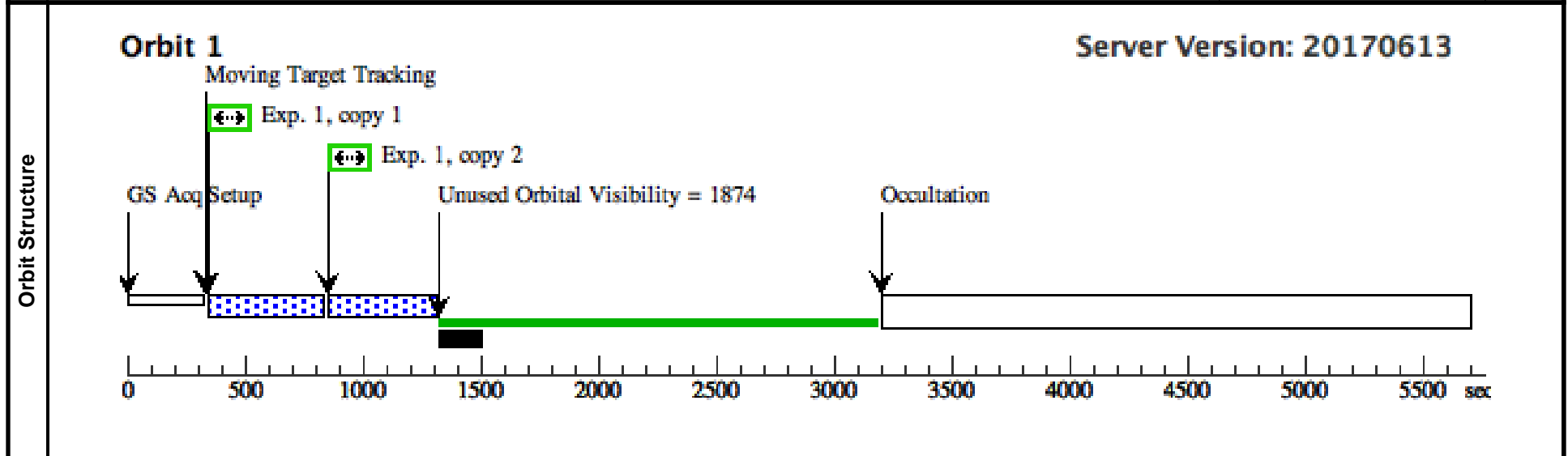
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(17) 2011QF99	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 18					
	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)	2013UR15	TYPE=COMET,Q=15.686127969786 05,E=0.7201015415098029,I=22.2504 1934799203,O=194.6356796884708, W=163.66044909368,T=25-APR- 2011:07:56:07,TimeScale=TDB,EQ UINOX=J2000,EPOCH=25-FEB- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

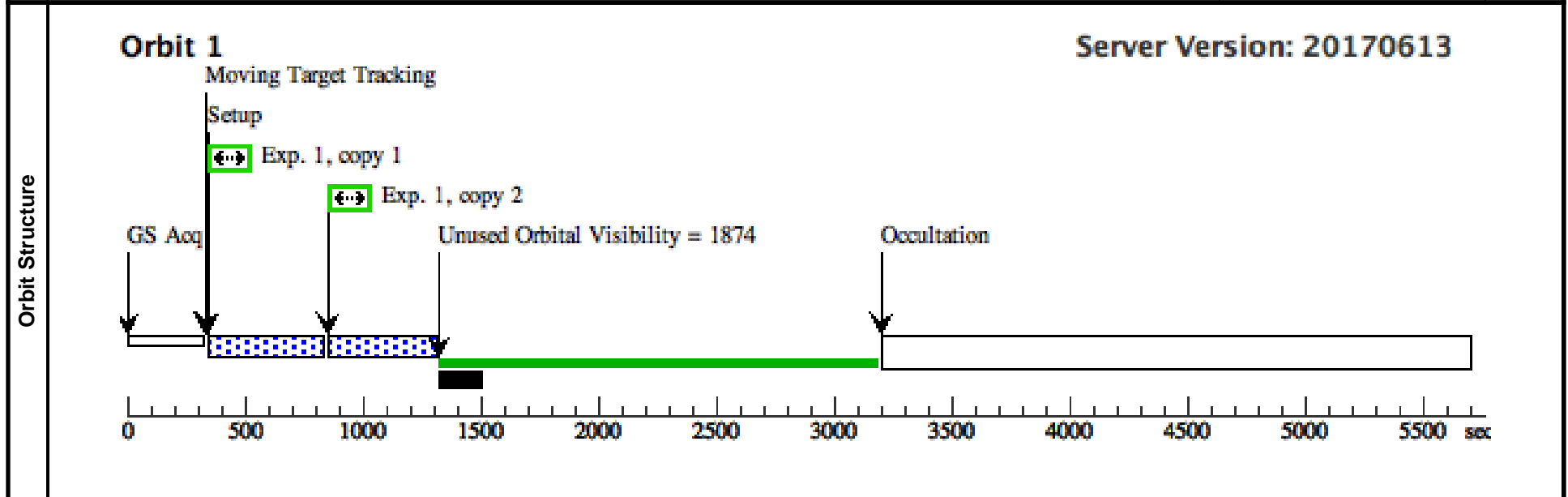
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(18) 2013UR15		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 19					
	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)	2010LO33	TYPE=COMET,Q=15.685774291711 34,E=0.3135962499333657,I=17.8876 5374375338,O=241.1465321749228, W=81.5442694838077,T=28-OCT- 2025:07:41:55,TimeScale=TDB,EQ UINOX=J2000,EPOCH=12-JAN- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

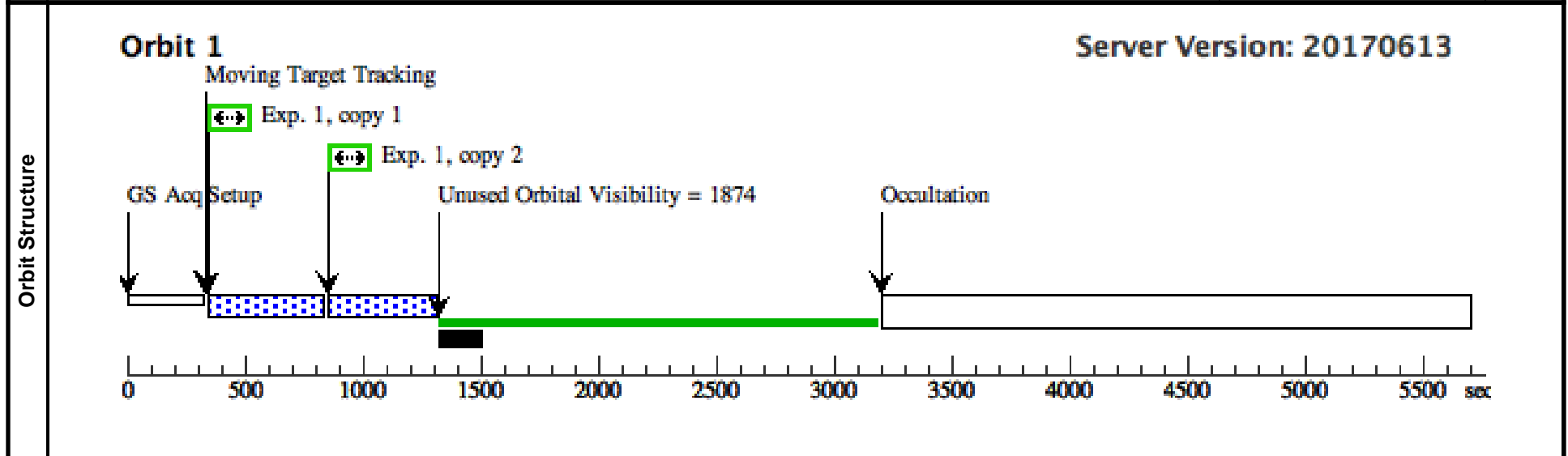
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(19) 2010LO33		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 20					
	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)	2013PU74	TYPE=COMET,Q=15.794981798473 54,E=0.5309890452843031,I=12.7209 6845262007,O=133.9636610964943, W=200.1559341934737,T=20-JUL- 2015:21:36:35,TimeScale=TDB,EQ UINOX=J2000,EPOCH=19-FEB- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

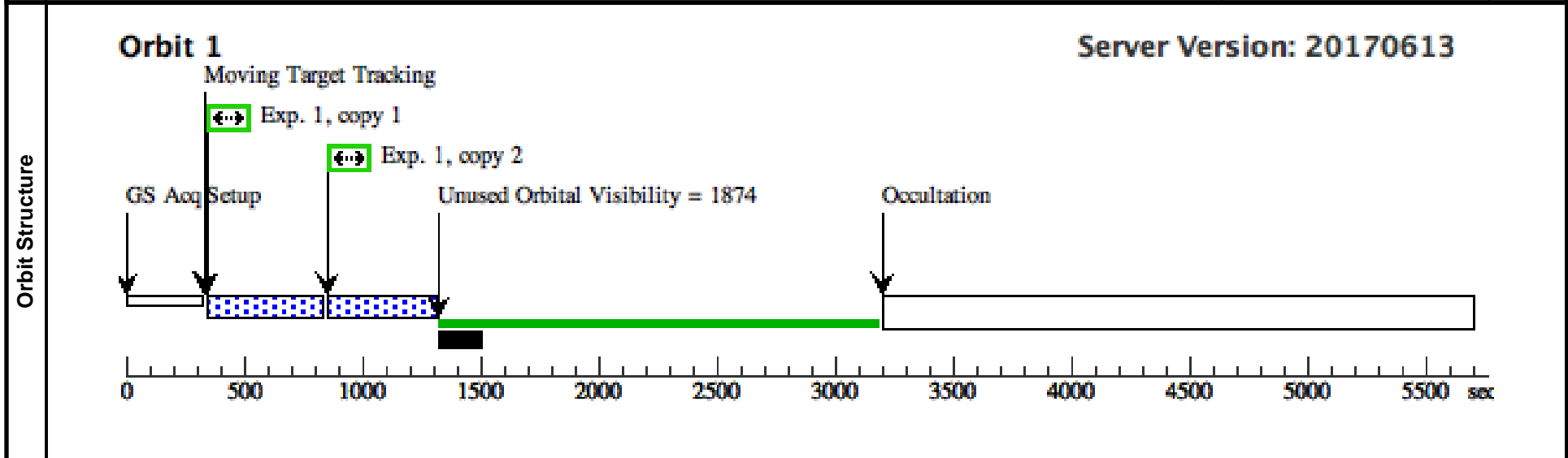
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(20) 2013PU74		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 21					
	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)	2014GR53	TYPE=COMET,Q=22.634095110476 34,E=0.8933537980120666,I=42.0526 635904891,O=52.5422011846267,W= 177.665860941266,T=01-NOV- 2017:19:03:09,TimeScale=TDB,EQ UINOX=J2000,EPOCH=21-SEP- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

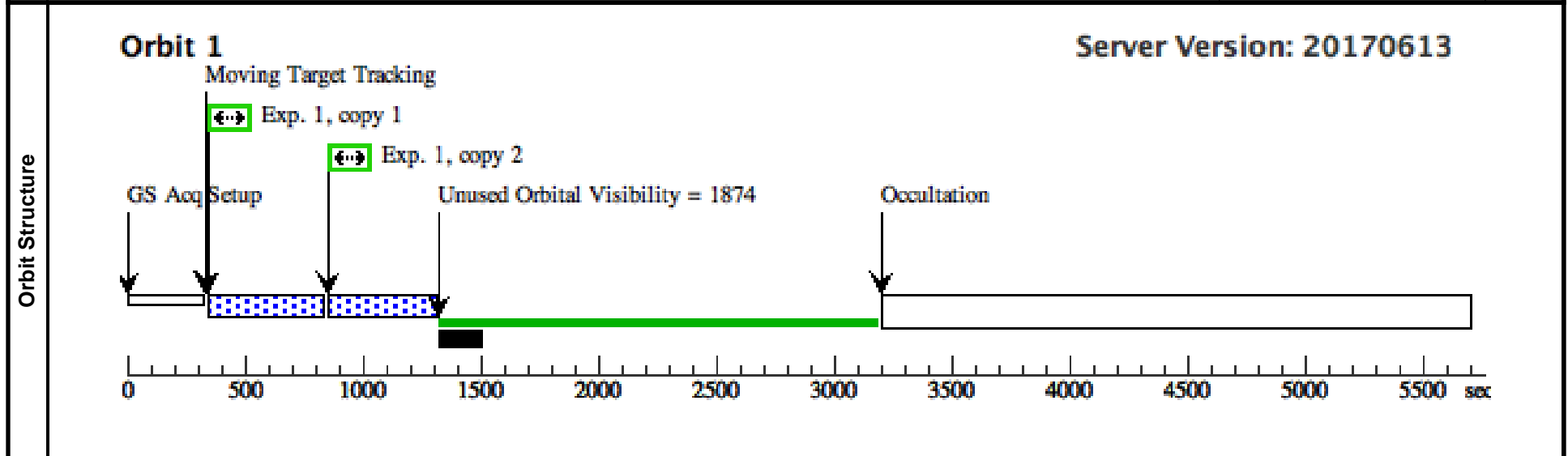
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(21) 2014GR53		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 22					
	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)	2014MX69	TYPE=COMET,Q=23.325053729927 05,E=0.2712580319103376,I=10.8571 0213974148,O=178.4575292085738, W=68.56098606274898,T=27-OCT- 1987:22:23:21,TimeScale=TDB,EQ UINOX=J2000,EPOCH=05-OCT- 2013:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

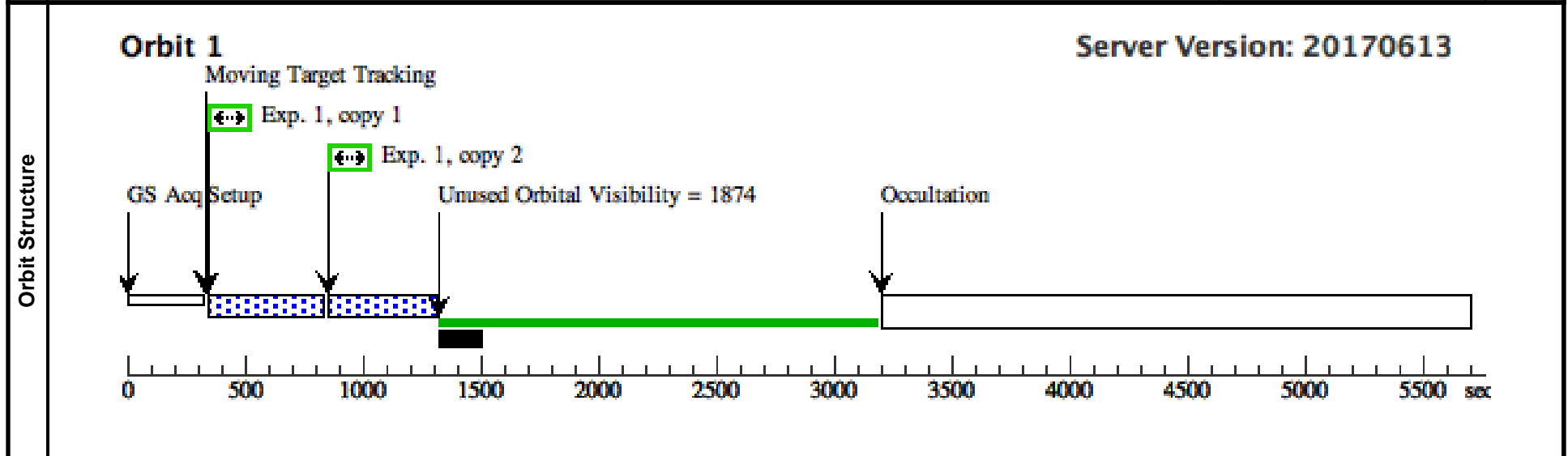
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(22) 2014MX69	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 23					
	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)	2015BD518	TYPE=COMET,Q=16.283683704107 57,E=0.3058269361576193,I=17.1630 1808449725,O=344.0792396080564, W=168.2174584763606,T=04-NOV- 2017:02:17:57,TimeScale=TDB,EQ UINOX=J2000,EPOCH=22-OCT- 2014:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

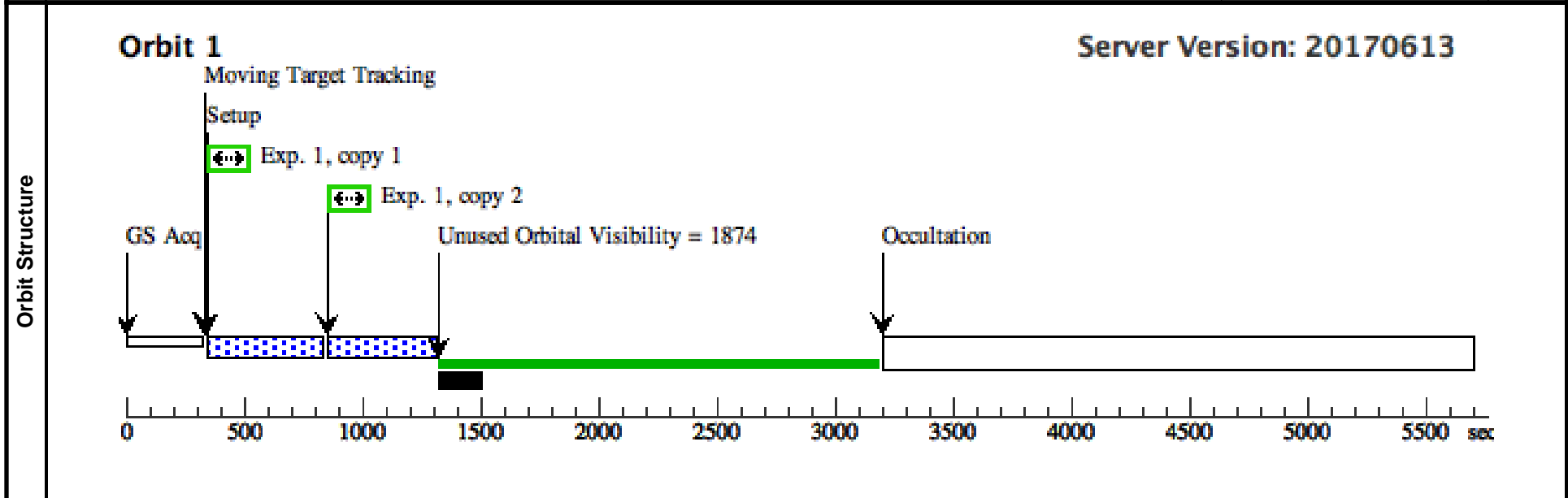
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) 2015BD518	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 24					
	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)	2014LM28	TYPE=COMET,Q=16.771112422986 29,E=0.9361319024977578,I=84.8251 2889248039,O=246.2238384038173, W=38.16003251165814,T=31-OCT- 2017:09:07:00,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=19-OCT- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

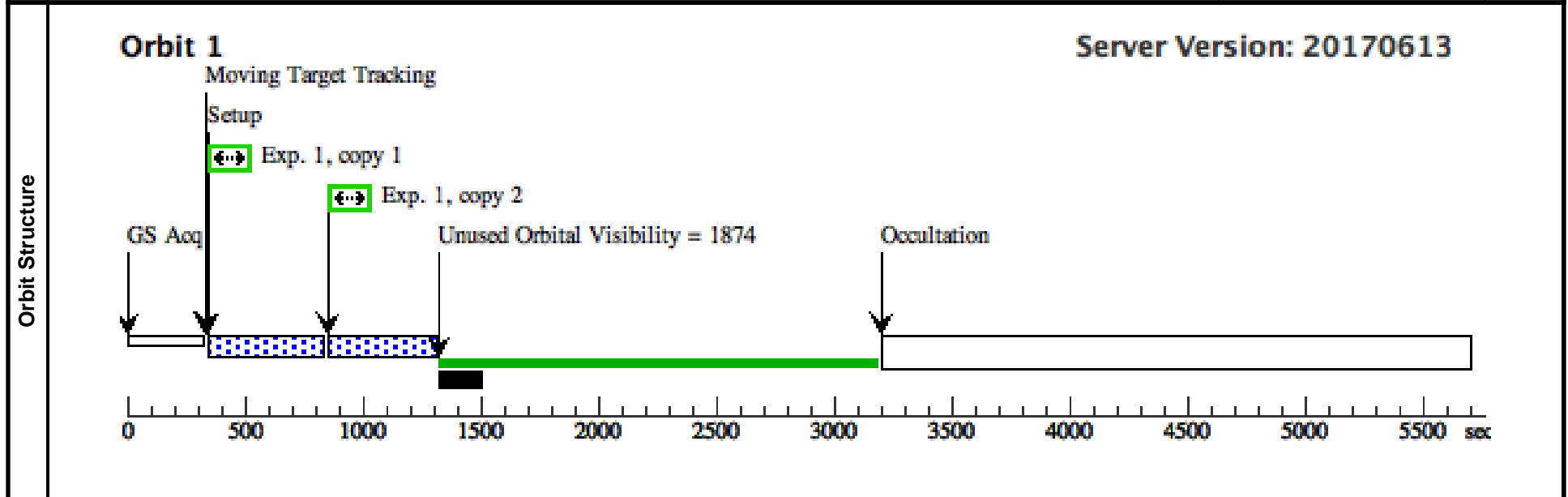
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(24) 2014LM28		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 25					
	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)	2014LN28	TYPE=COMET,Q=16.260788721499 54,E=0.5481542816020319,I=8.70520 2297899701,O=197.1586379715556, W=159.4197737868323,T=23-SEP- 2023:16:40:10,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=10-OCT- 2014:00:00:00,EpochTimeScale=TDB				

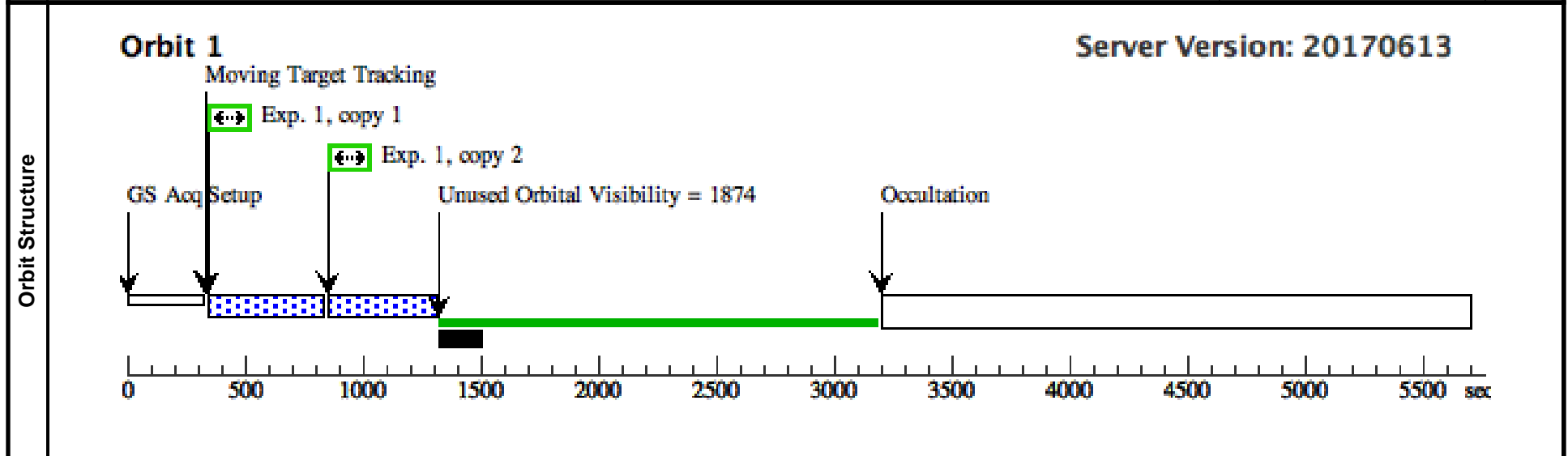
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(25) 2014LN28		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs) [==>(Copy 1)] [==>(Copy 2)]



Visit	Proposal 15344, Visit 26					
	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)	2013MZ11	TYPE=COMET,Q=16.761532667994 38,E=0.3066798530718632,I=6.37081 8820155045,O=19.84485325623148, W=20.31763792156589,T=08-NOV- 2032:18:25:30,TimeScale=TDB,EQ UINOX=J2000,EPOCH=02-JUL- 2014:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

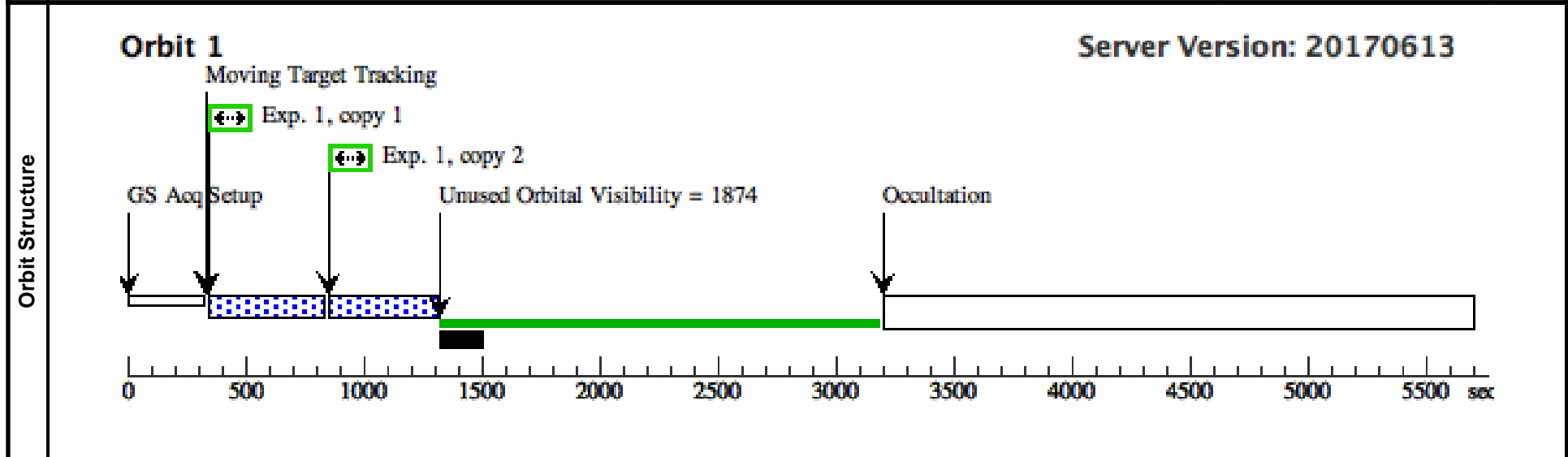
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(26) 2013MZ11	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 27					
	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)	2007NC7	TYPE=COMET,Q=16.931948521856 83,E=0.5030924173404018,I=6.31074 9674960265,O=324.1631907395151, W=286.9477536899629,T=03-SEP- 1996:19:38:15,TimeScale=TDB,EQ UINOX=J2000,EPOCH=26-NOV- 2012:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

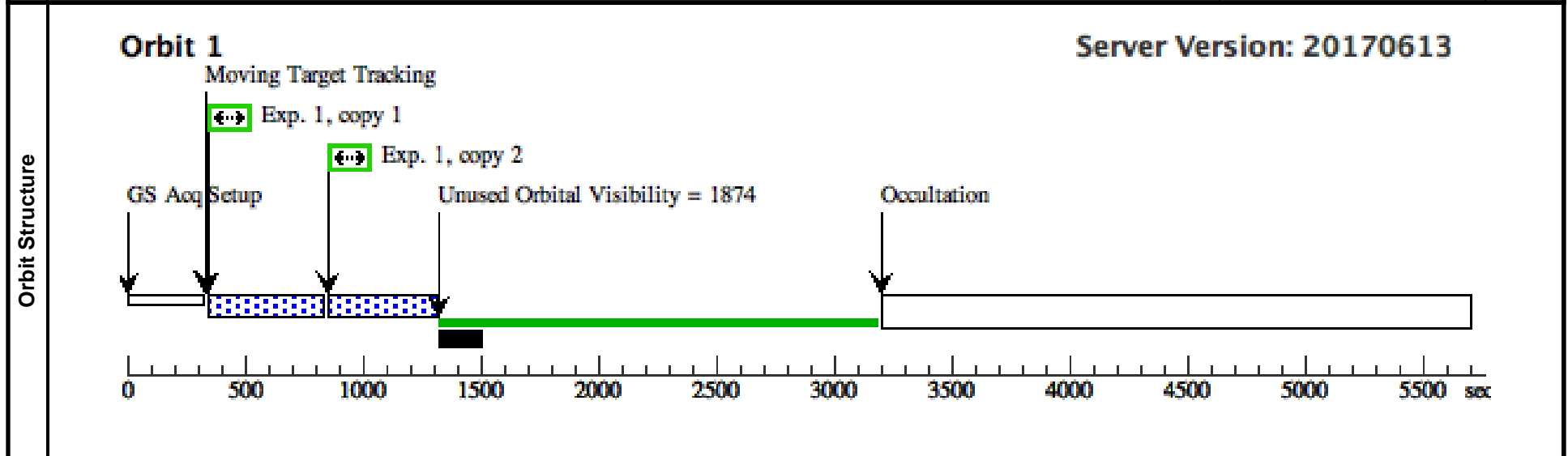
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(27) 2007NC7		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 28					
	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)	2007TK422	TYPE=COMET,Q=17.048426497136 72,E=0.1943529490023175,I=3.06750 531318372,O=65.33167768617611,W =200.7171323437726,T=12-NOV- 1986:13:12:11,TimeScale=TDB,EQ UINOX=J2000,EPOCH=09-JUN- 2008:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

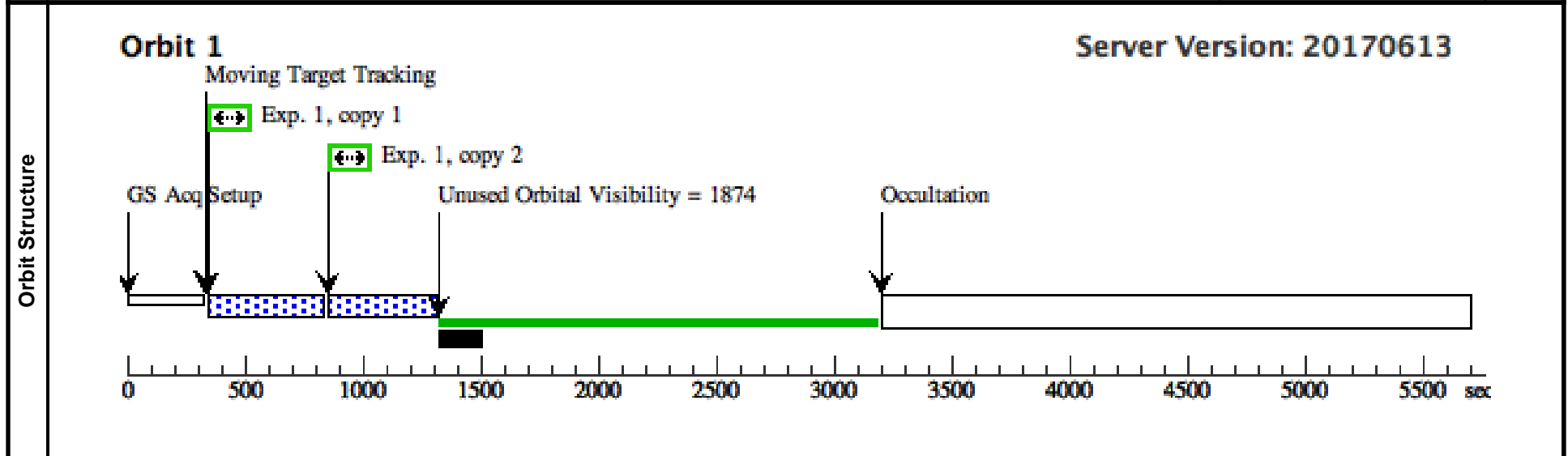
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(28) 2007TK422		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 29					
	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)	2015BF515	TYPE=COMET,Q=16.970270515731 89,E=0.1690644815261595,I=28.2895 4178698533,O=322.3727759579943, W=105.2784495808101,T=22-JUN- 2009:18:27:20,TimeScale=TDB,EQ UINOX=J2000,EPOCH=21-MAR- 2015:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

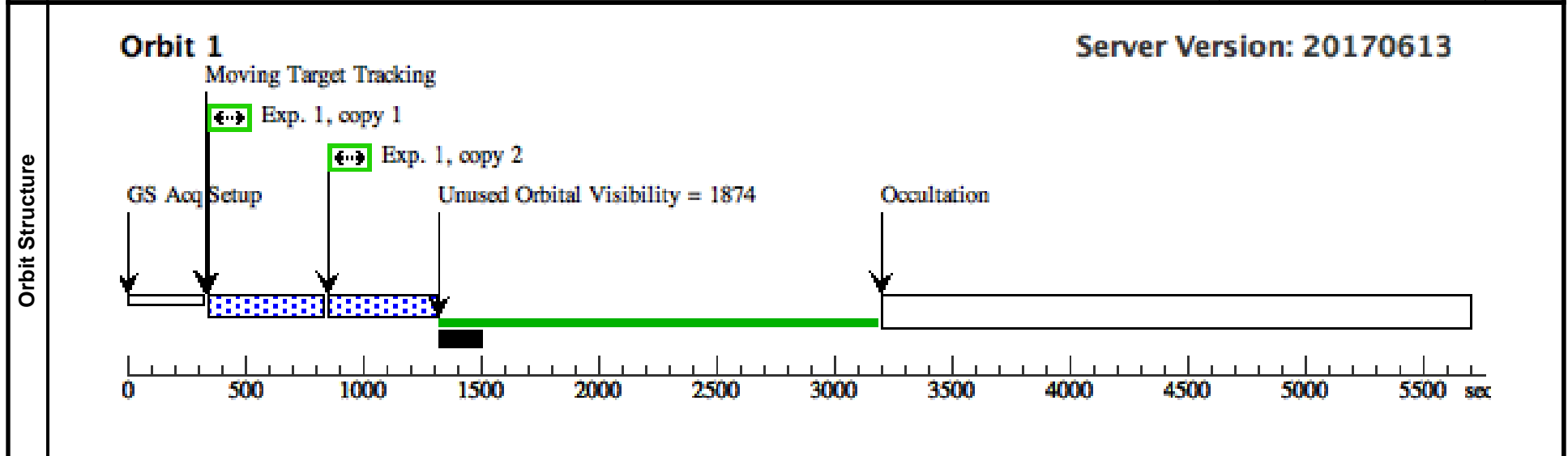
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(29) 2015BF515		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 30					
	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)	2011UH413	TYPE=COMET,Q=17.216660381788 1,E=0.5514338828360166,I=46.40644 586372692,O=79.97732137476586,W =87.24271706289305,T=23-JAN- 2038:16:25:56,TimeScale=TDB,EQ UINOX=J2000,EPOCH=24-NOV- 2012:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

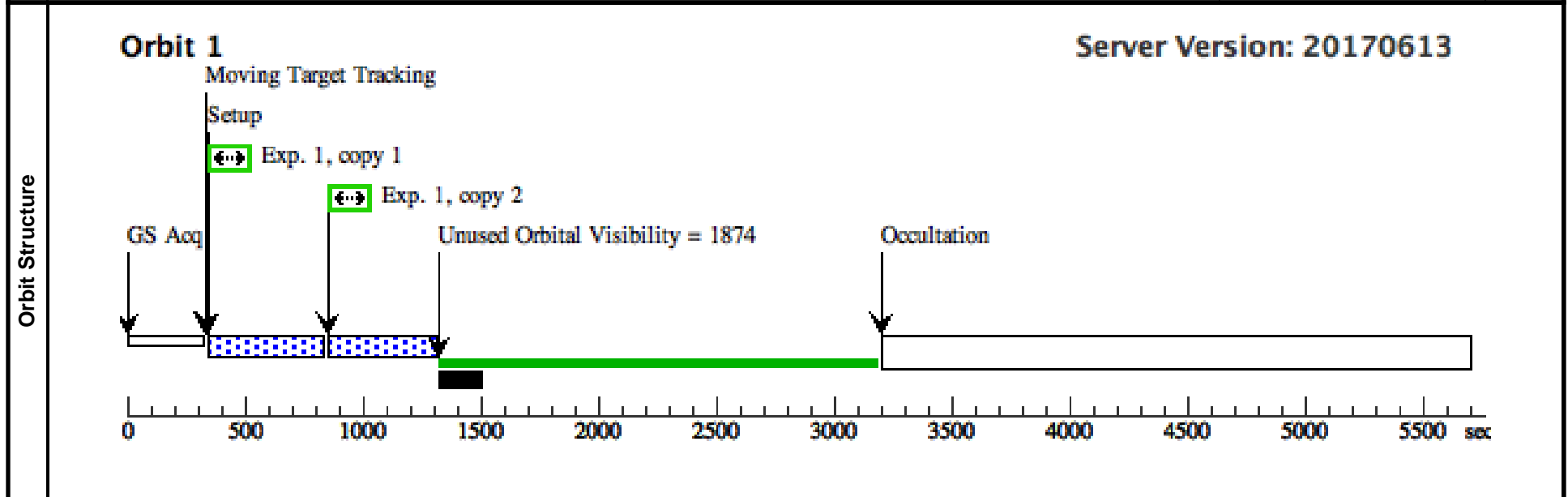
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(30) 2011UH413		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 31					
	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)	2000EE173	TYPE=COMET,Q=22.60605872567567,E=0.5449535930860313,I=5.94100805618478,O=293.9965918469233,W=235.1085707519787,T=24-FEB-2007:21:23:58,TimeScale=TDB,EQUINOX=J2000,EPOCH=04-NOV-2001:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

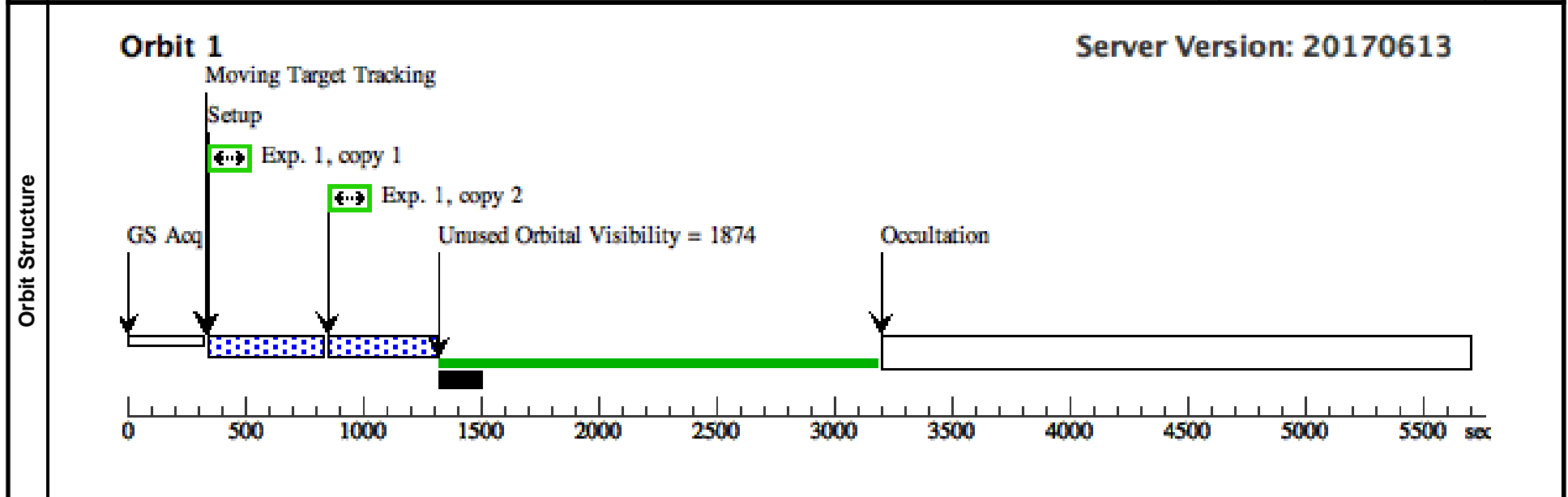
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(31) 2000EE173		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 32					
	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)	2014GQ53	TYPE=COMET,Q=17.376614538445 37,E=0.313572719553889,I=22.76381 728688332,O=129.3444451020024,W =59.58342712845817,T=26-OCT- 2008:20:54:28,TimeScale=TDB,EQ UINOX=J2000,EPOCH=08-AUG- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

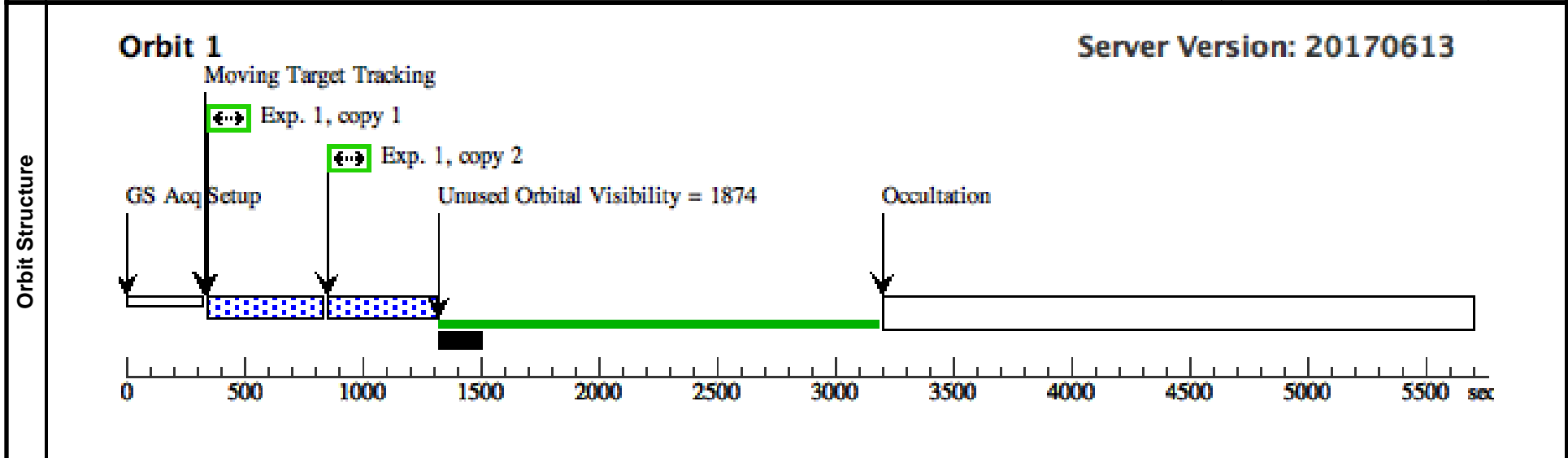
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(32) 2014GQ53		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 33					
	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)	2002CR46	TYPE=COMET,Q=17.512492087844 22,E=0.5365163078181556,I=2.42938 0116869647,O=351.9429207906059, W=158.7769750007616,T=01-MAY- 2006:07:29:57,TTimeScale=TDB,EQ UINOX=J2000,EPOCH=31-MAY- 2012:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

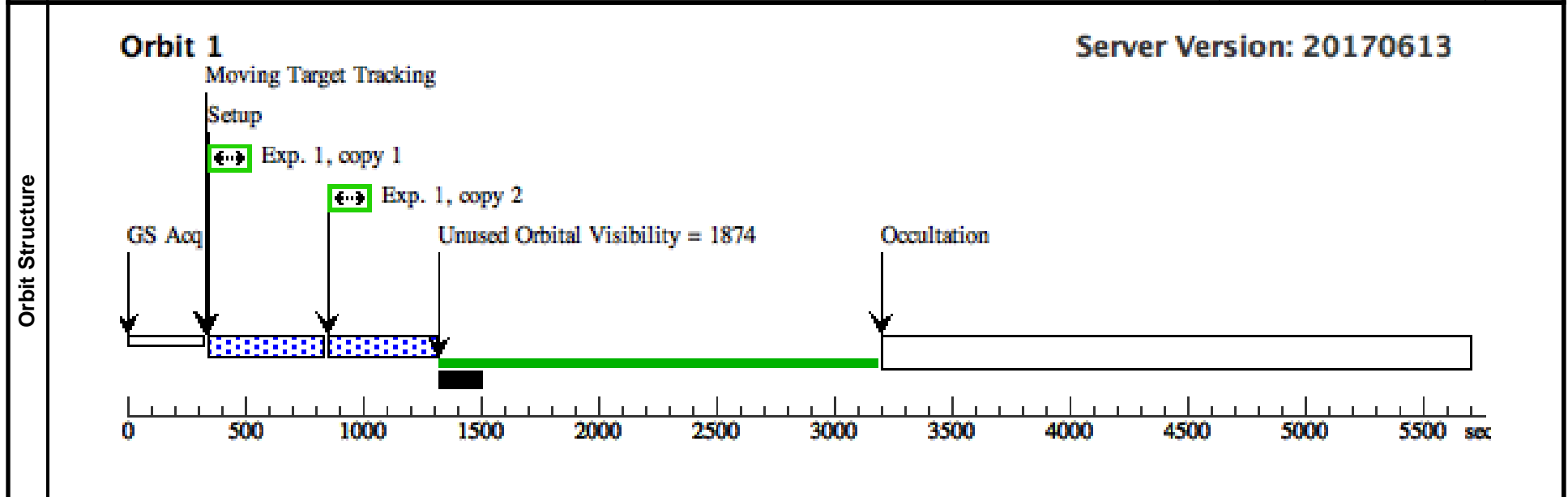
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(33) 2002CR46	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 34					
	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)	1999OX3	TYPE=COMET,Q=17.572629659193 52,E=0.4554344212083776,I=2.62310 1425103725,O=259.3342553687864, W=144.3957006152392,T=18-FEB- 2024:20:40:55,TimeScale=TDB,EQ UINOX=J2000,EPOCH=11-NOV- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

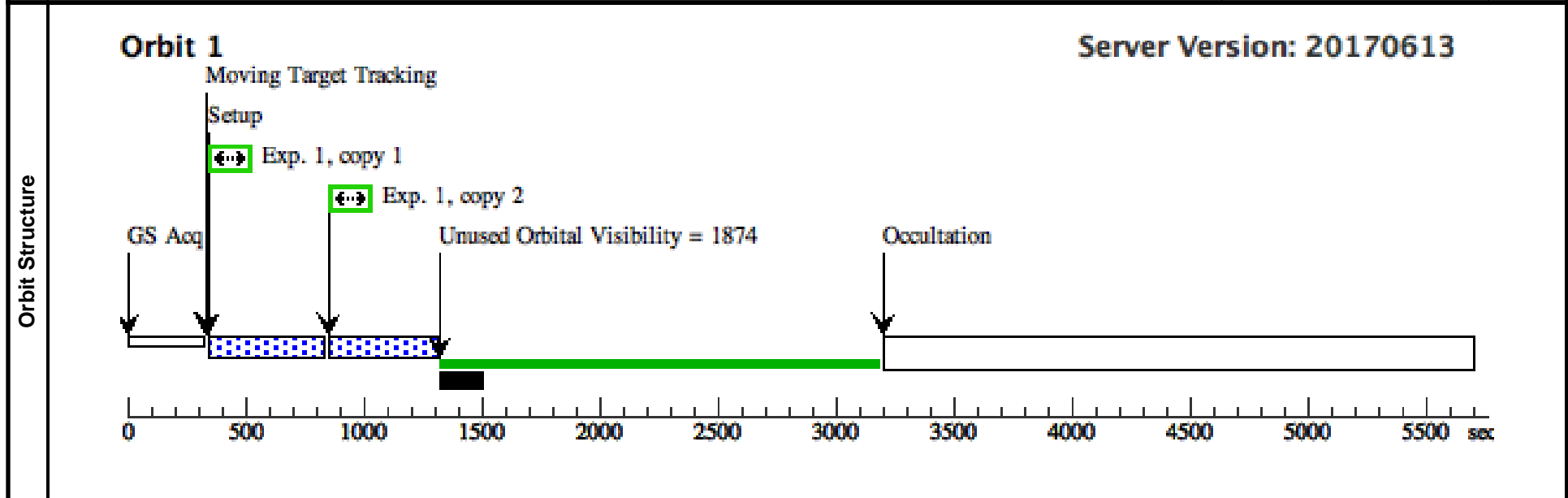
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(34) 1999OX3		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 35					
	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)	2007BP102	TYPE=COMET,Q=17.721666372540 22,E=0.2596932232990107,I=64.7934 9678032216,O=45.23647139684979, W=125.0456062933079,T=21-NOV- 2009:16:18:11,TimeScale=TDB,EQ UINOX=J2000,EPOCH=24-JUL- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

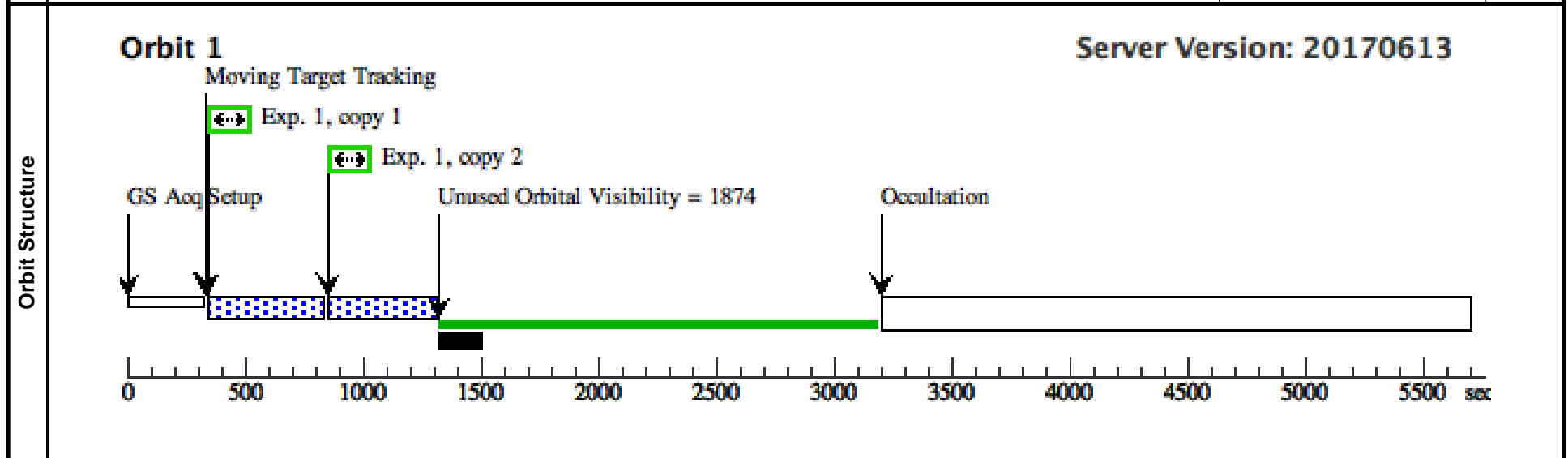
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(35) 2007BP102		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 36					
	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)	2003FX128	TYPE=COMET,Q=17.762712290595 01,E=0.824342911605961,I=22.29214 57930276,O=171.9548244497604,W= 319.5967845648002,T=31-JUL- 1989:01:43:02,TimeScale=TDB,EQ UINOX=J2000,EPOCH=20-JUN- 2013:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

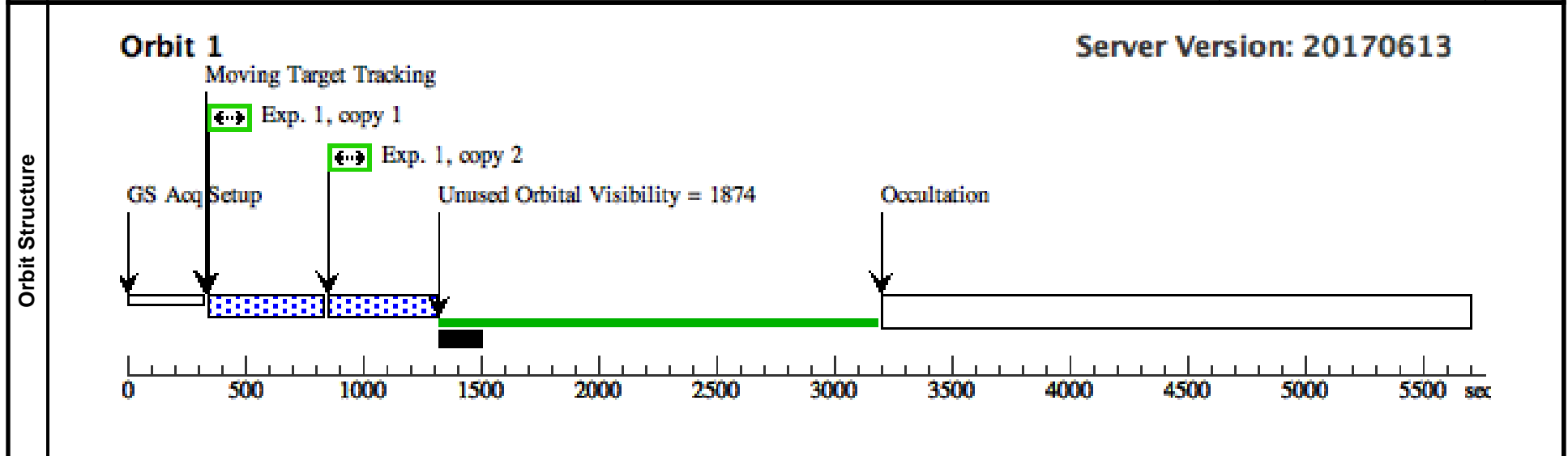
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(36) 2003FX128	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 37					
	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)	2014JE80	TYPE=COMET,Q=17.934292404871 55,E=0.8008866479995221,I=28.1603 4448201733,O=116.275642872931,W =146.2883980262183,T=25-JAN- 2019:23:34:21,TimeScale=TDB,EQ UINOX=J2000,EPOCH=12-AUG- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

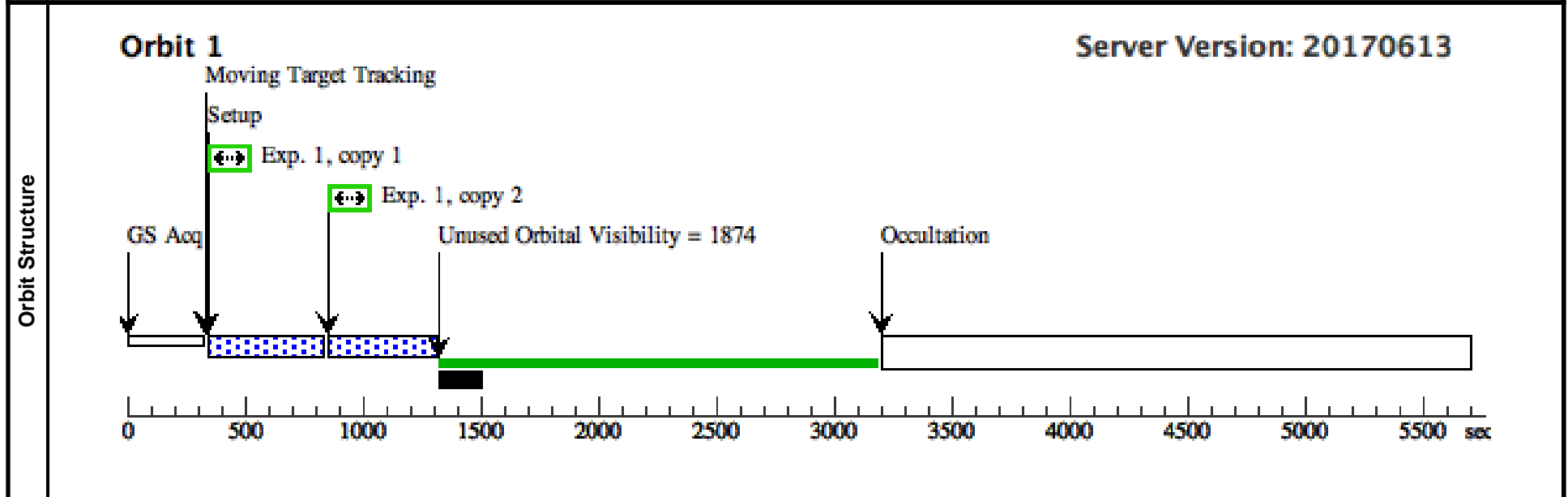
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(37) 2014JE80		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 38					
	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)	2014XQ40	TYPE=COMET,Q=17.999551430615 05,E=0.7371107636653688,I=14.7108 7744031333,O=261.0198502293188, W=268.4952498701142,T=11-JAN- 2015:01:23:53,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=21-JUN- 2014:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

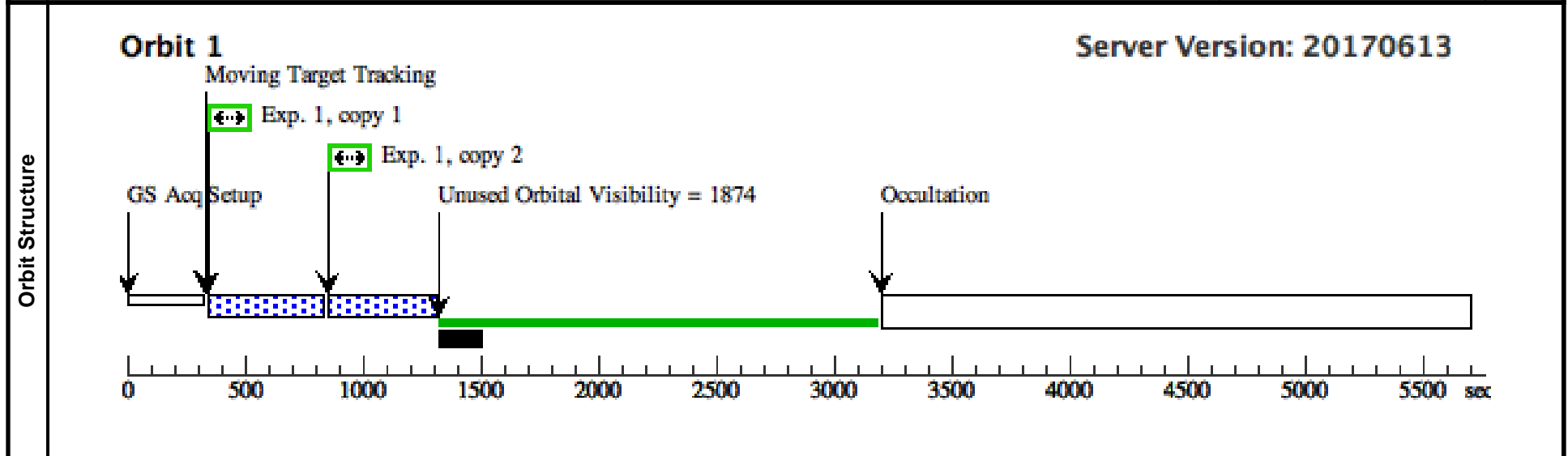
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(38) 2014XQ40	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 39					
	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)	2004MW8	TYPE=COMET,Q=22.392205107125, E=0.3310840752108498,I=8.20576064 0874756,O=289.5442258628367,W=9 4.24281992314687,T=14-DEC- 2036:23:06:35,TTimeScale=TDB,EQ UINOX=J2000,EPOCH=18-NOV- 2005:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

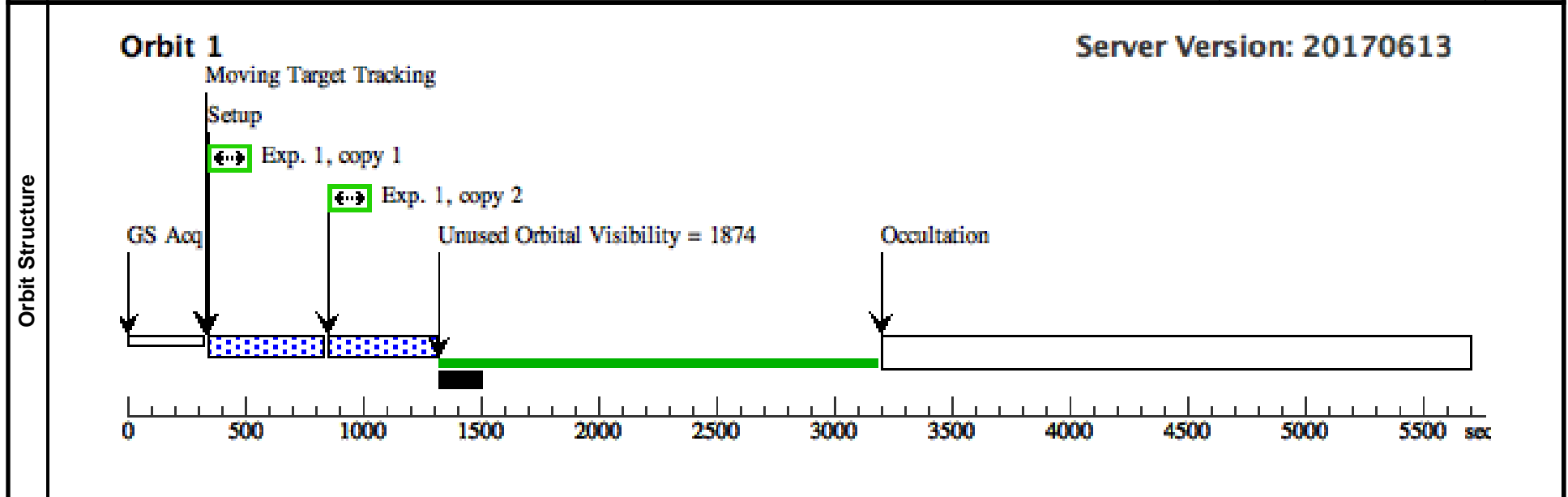
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(39) 2004MW8	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 40					
	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)	2012GU11	TYPE=COMET,Q=18.197363775052 45,E=0.8995035041392796,I=10.7493 1636056022,O=144.7640101256972, W=6.24350479612225,T=15-JAN- 2007:11:17:33,TimeScale=TDB,EQ UINOX=J2000,EPOCH=22-DEC- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

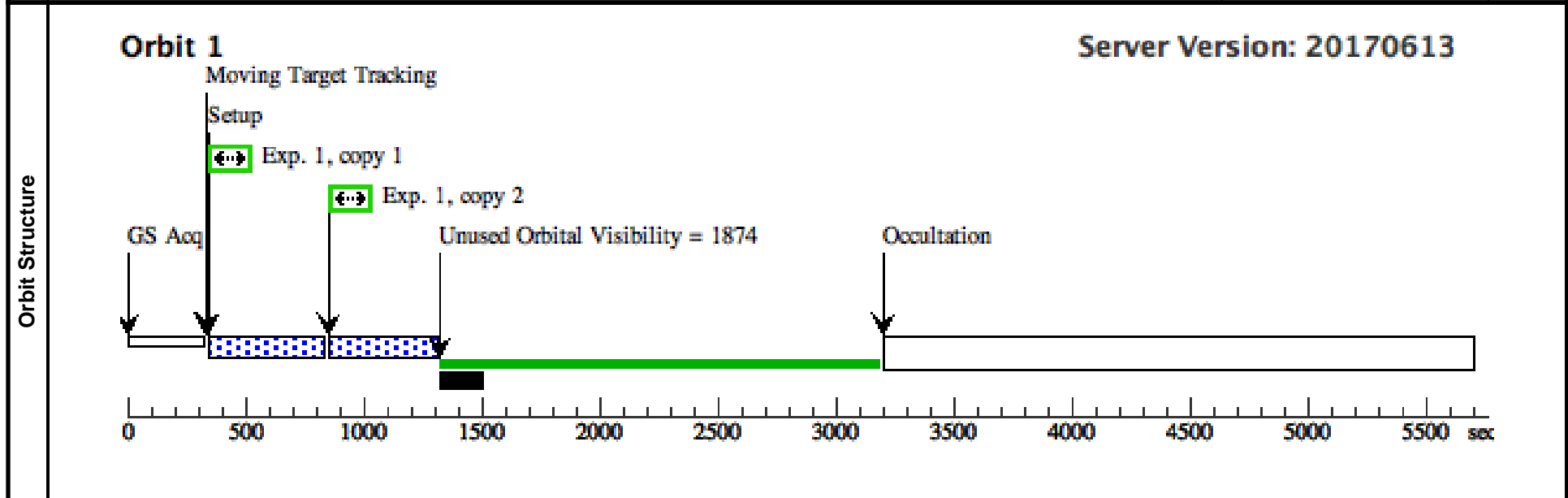
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(40) 2012GU11		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 41					
	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)	2010FB49	TYPE=COMET,Q=18.191845460981 87,E=0.1931369621196164,I=24.3771 5299458729,O=184.8588958170744, W=171.7121688947135,T=14-JUN- 2062:20:08:57,TimeScale=TDB,EQ UINOX=J2000,EPOCH=30-NOV- 2013:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

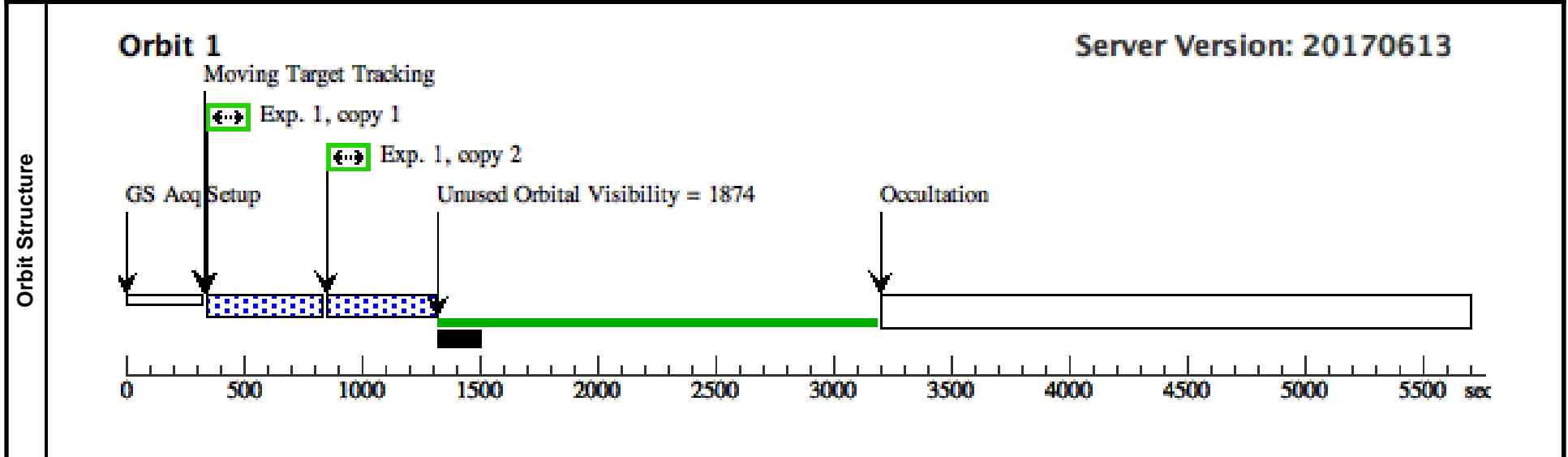
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(41) 2010FB49	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 42					
	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)	2014DB143	TYPE=COMET,Q=18.292774972574 55,E=0.09207878694426916,I=21.341 05516240124,O=207.8382679445251, W=336.098438083276,T=05-JAN- 2003:10:54:12,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=05-JUL- 2014:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

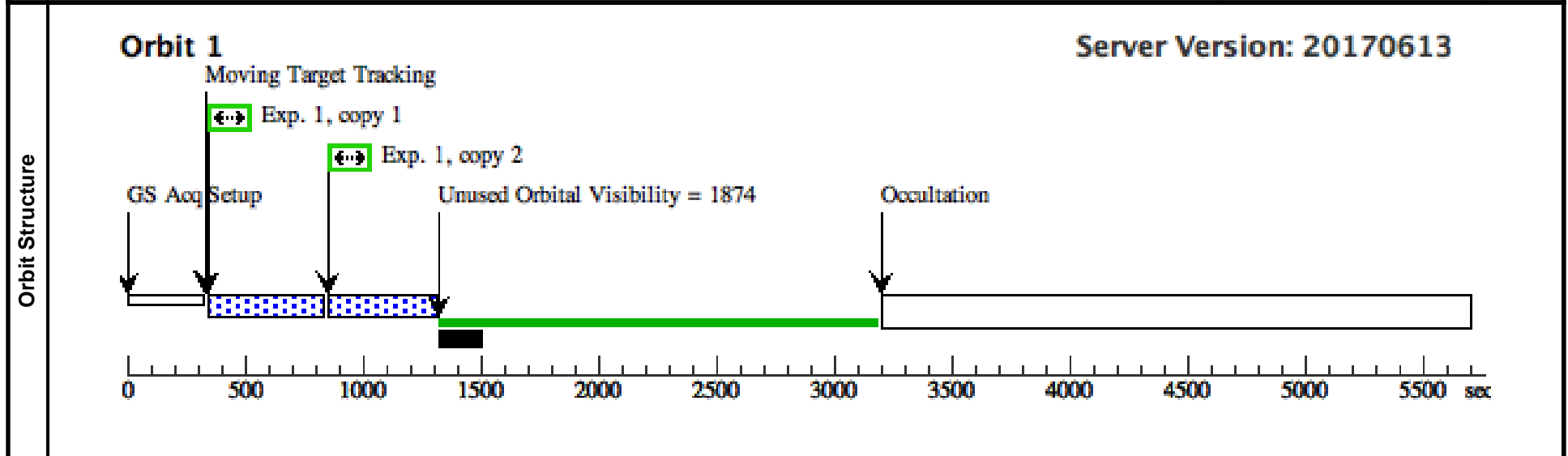
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(42) 2014DB143	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 43					
	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)	2014NX65	TYPE=COMET,Q=18.39653410869166,E=0.1949516700499495,I=11.38716777077702,O=96.55222614594648,W=230.983796341091,T=14-NOV-2012:05:25:56,TimeScale=TDB,EQUINOX=J2000,EPOCH=29-MAR-2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

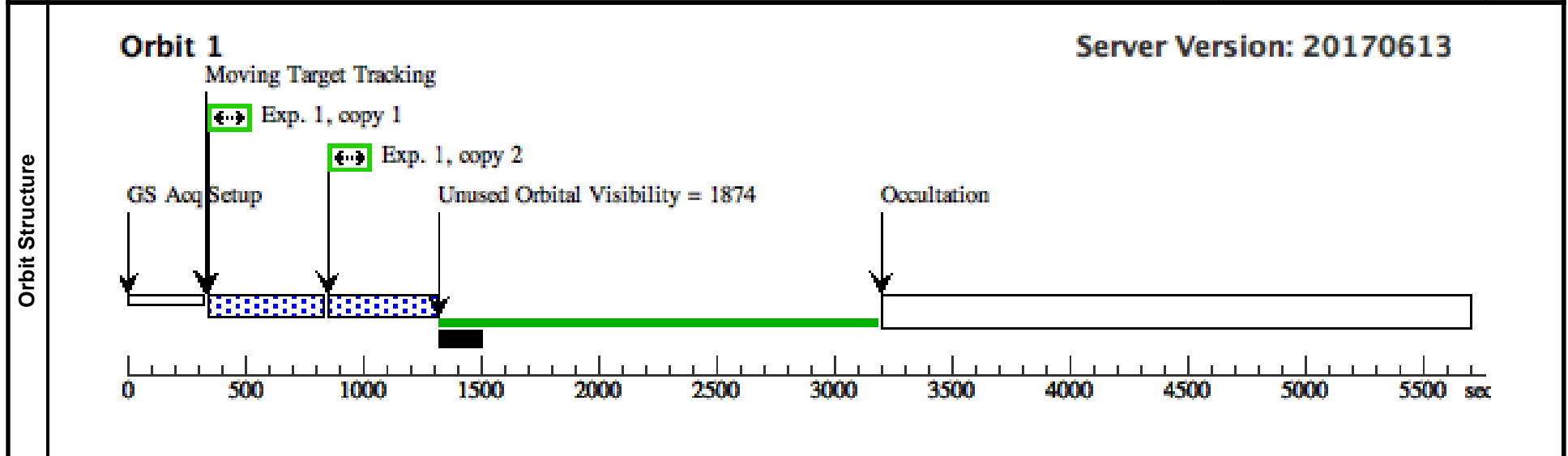
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(43) 2014NX65		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[=>(Copy 1)]	
									[=>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 44					
	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)	2013CE223	TYPE=COMET,Q=18.443051869044 39,E=0.1564914576248596,I=5.16493 0448599954,O=265.5908212997057, W=133.145444373891,T=15-JUL- 1985:18:06:21,TimeScale=TDB,EQ UINOX=J2000,EPOCH=17-JUN- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

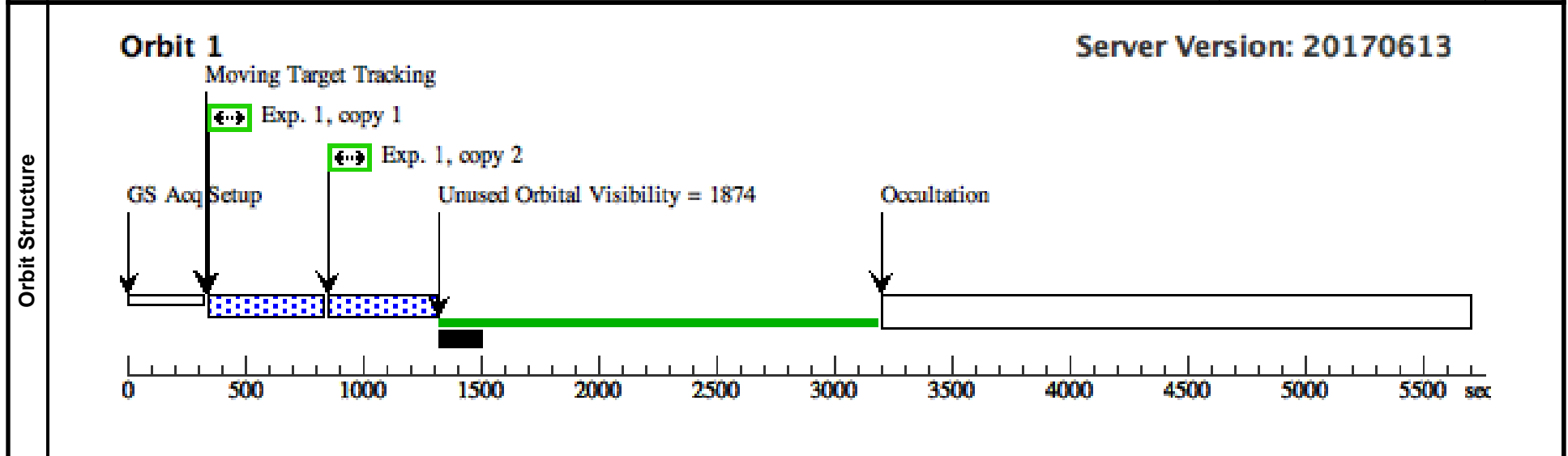
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(44) 2013CE223		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 45					
	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)	2005UN524	TYPE=COMET,Q=18.707152768664 01,E=0.1288403867214915,I=17.8090 7977751268,O=39.27699806233529, W=52.43462508205422,T=27-JUL- 2016:11:53:05,TimeScale=TDB,EQ UINOX=J2000,EPOCH=24-DEC- 2005:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

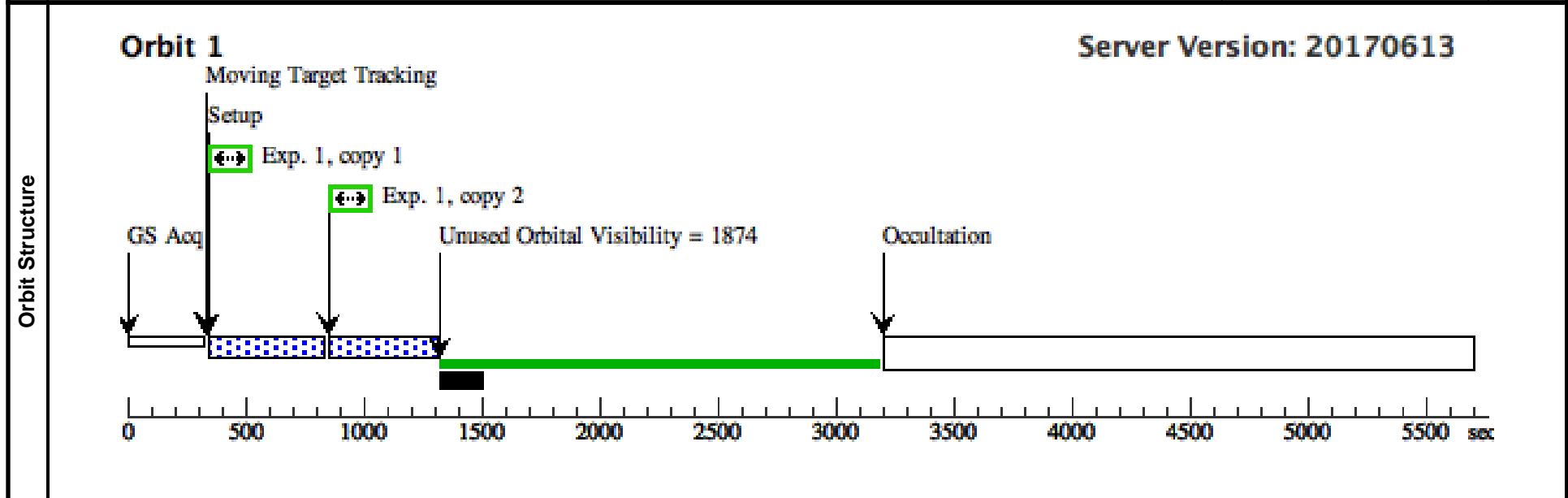
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(45) 2005UN524		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 46					
	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)	2010WG9	TYPE=COMET,Q=18.759453277704 91,E=0.6515269107739069,I=70.2225 0193922612,O=92.09290533486491, W=293.0226827702064,T=18-FEB- 2006:09:23:03,TimeScale=TDB,EQ UINOX=J2000,EPOCH=26-JAN- 2012:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

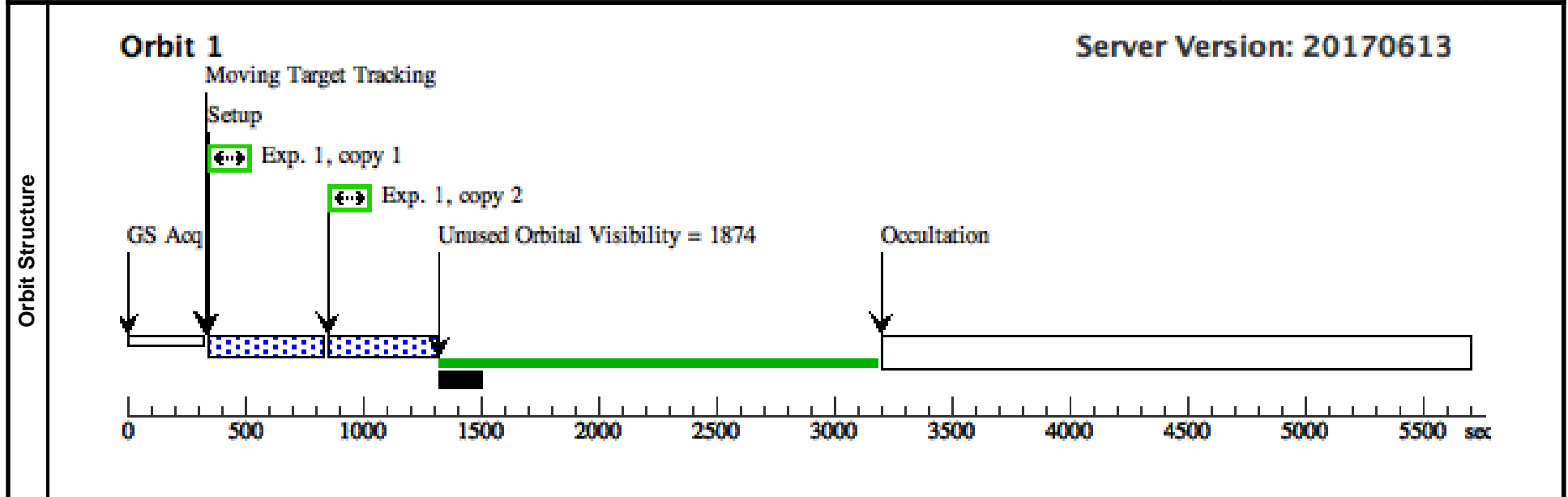
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(46) 2010WG9		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 47					
	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)	2014JF80	TYPE=COMET,Q=18.763012620852 46,E=0.4427149779833777,I=13.8135 4474629405,O=261.1621637268464, W=83.89125102626276,T=14-JUN- 2019:22:36:11,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=05-OCT- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

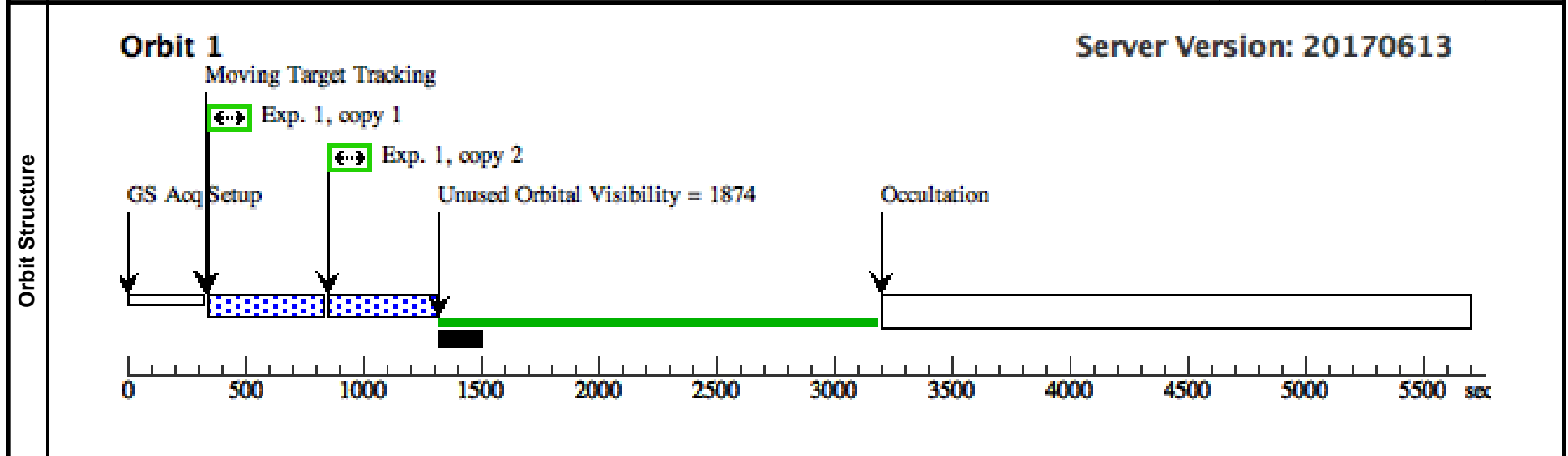
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(47) 2014JF80		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 48					
	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)	2013KZ18	TYPE=COMET,Q=18.819916858162 17,E=0.4467797304486364,I=35.6216 7842651182,O=315.5669602248961, W=27.32356166486748,T=04-DEC- 2015:23:24:07,TimeScale=TDB,EQ UINOX=J2000,EPOCH=08-APR- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

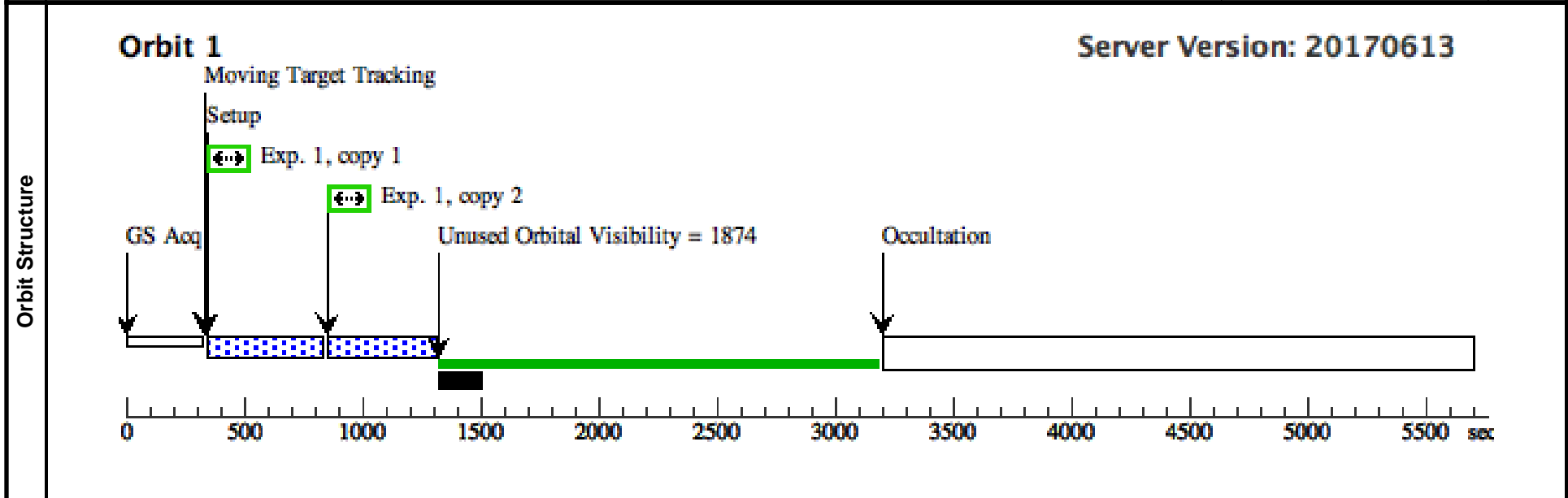
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(48) 2013KZ18		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 49					
	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)	2004VH131	TYPE=COMET,Q=22.229345735777 19,E=0.6271307358652851,I=11.9932 8539904402,O=39.63672875212113, W=307.9186146259735,T=08-MAY- 1990:23:49:22,TimeScale=TDB,EQ UINOX=J2000,EPOCH=28-APR- 2006:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

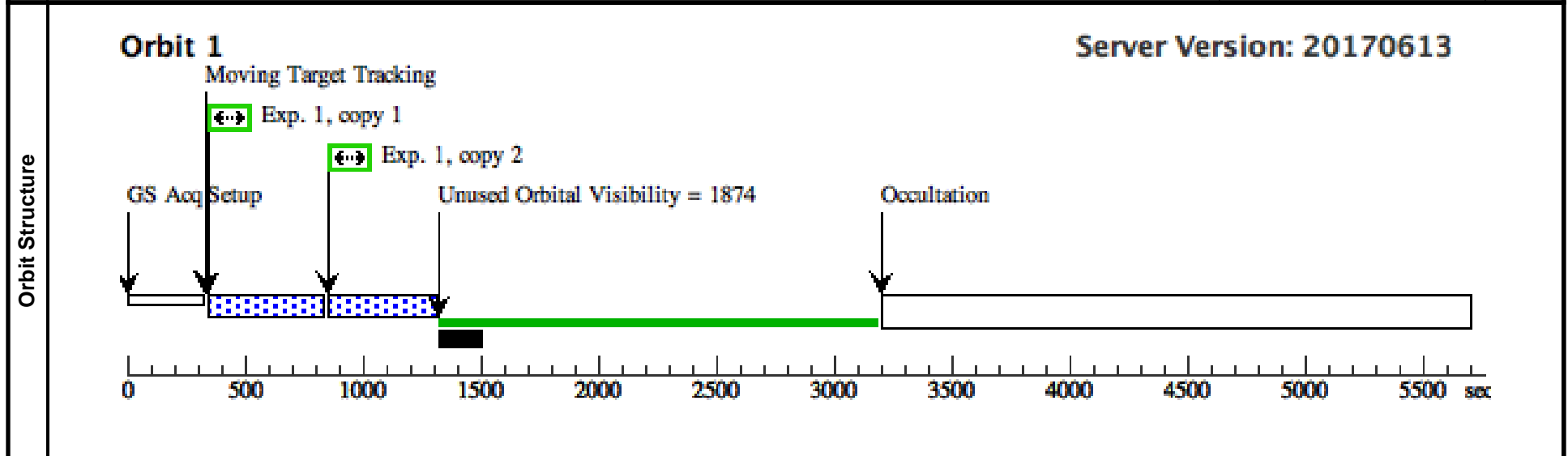
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(49) 2004VH131		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 50					
	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)	2012CE17	TYPE=COMET,Q=18.985213337417 17,E=0.1201636380301657,I=5.90533 3327196601,O=174.4712820078604, W=355.7702726536443,T=16-JUN- 2017:18:02:43,TimeScale=TDB,EQ UINOX=J2000,EPOCH=11-OCT- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

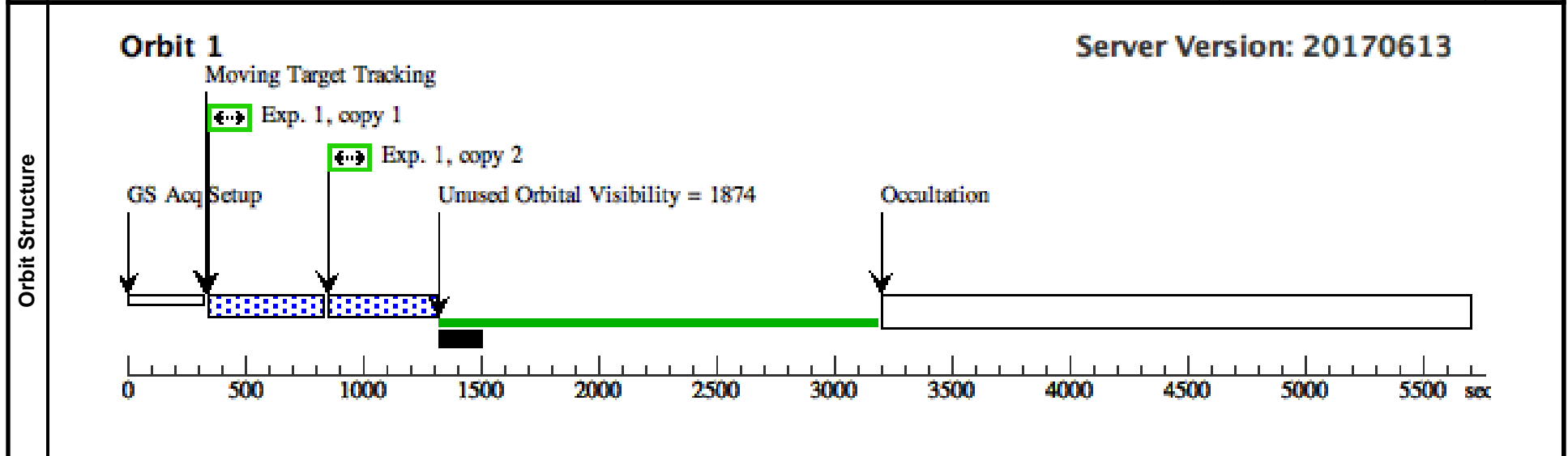
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(50) 2012CE17		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 51					
	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)	2014JD80	TYPE=COMET,Q=18.982262498759 82,E=0.2478887757574665,I=39.1383 6180198448,O=109.0862011129003, W=242.2878632881201,T=19-AUG- 2025:20:33:40,TimeScale=TDB,EQ UINOX=J2000,EPOCH=15-JUL- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

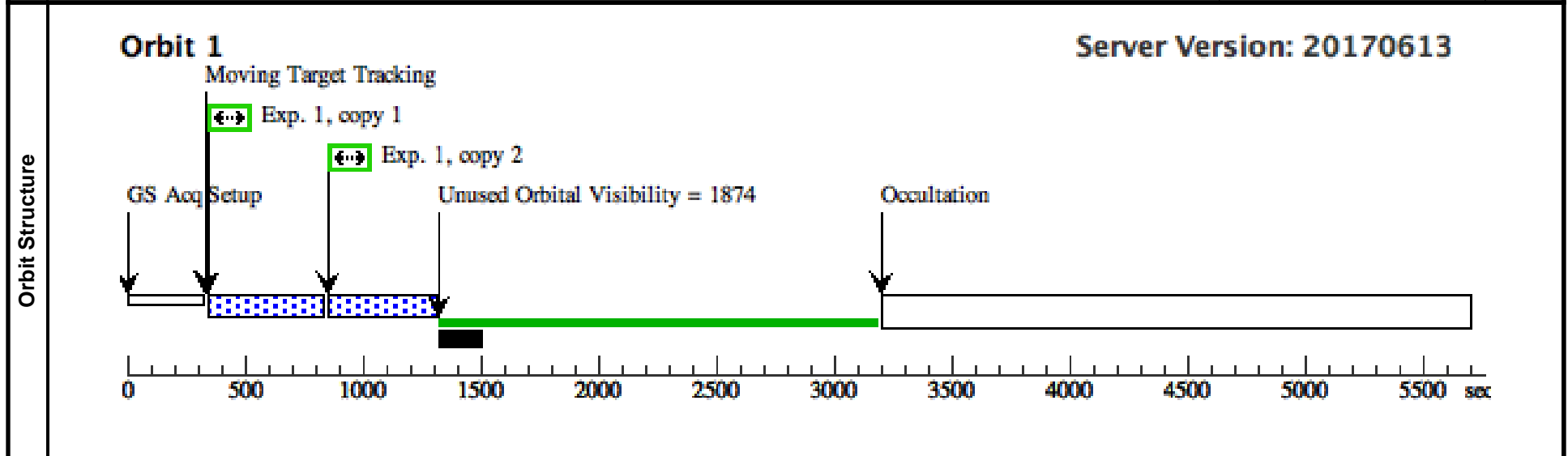
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(51) 2014JD80		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 52					
	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)	2013RG98	TYPE=COMET,Q=19.284099253811 55,E=0.1703321377547013,I=46.0374 999699502,O=145.9569110165576,W =349.8589305395584,T=08-SEP- 2036:11:05:16,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=21-SEP- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

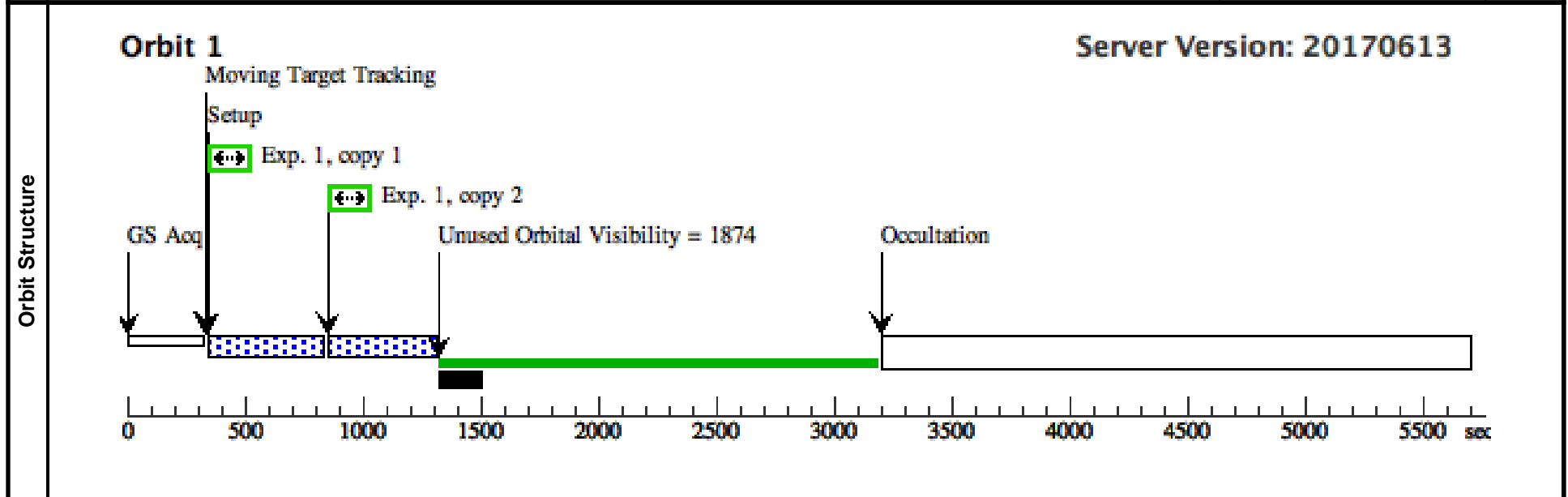
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(52) 2013RG98		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 53					
	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)	2011OD16	TYPE=COMET,Q=19.496968519096 01,E=0.180183513827793,I=6.301645 931150268,O=166.0911605548549,W =202.2509320001475,T=20-APR- 2023:00:43:01,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=11-DEC- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

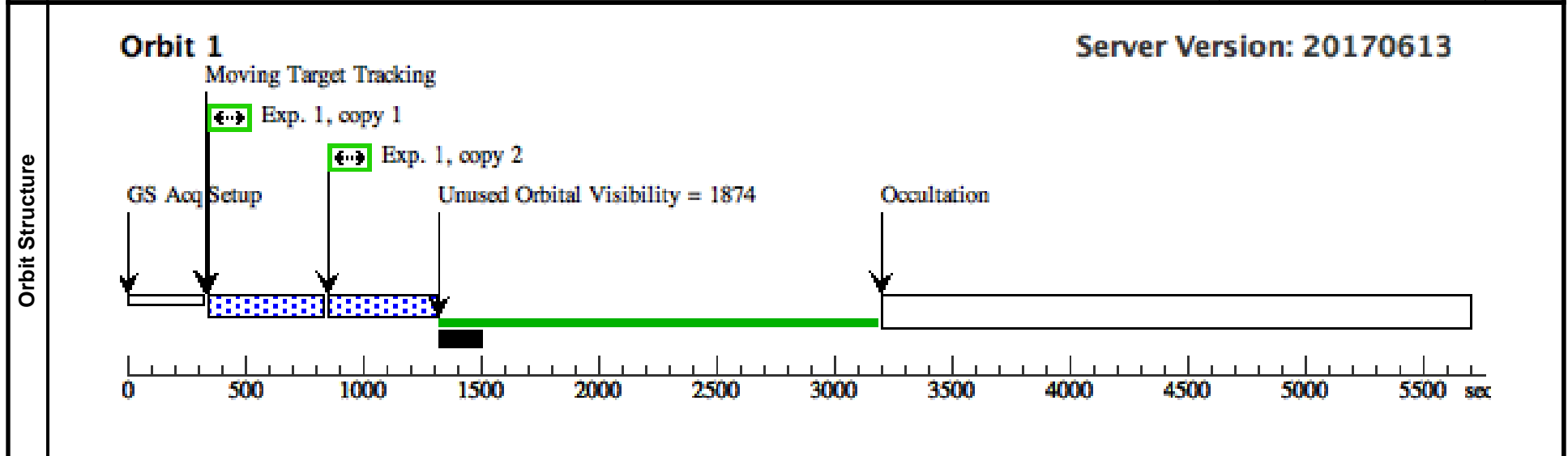
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(53) 2011OD16		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 54					
	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)	2003QZ91	TYPE=COMET,Q=21.700984675439 31,E=0.4760548928648665,I=34.8677 3952441214,O=130.8485774173401, W=137.0851031839675,T=18-JUN- 1991:08:42:22,TimeScale=TDB,EQ UINOX=J2000,EPOCH=18-OCT- 2004:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

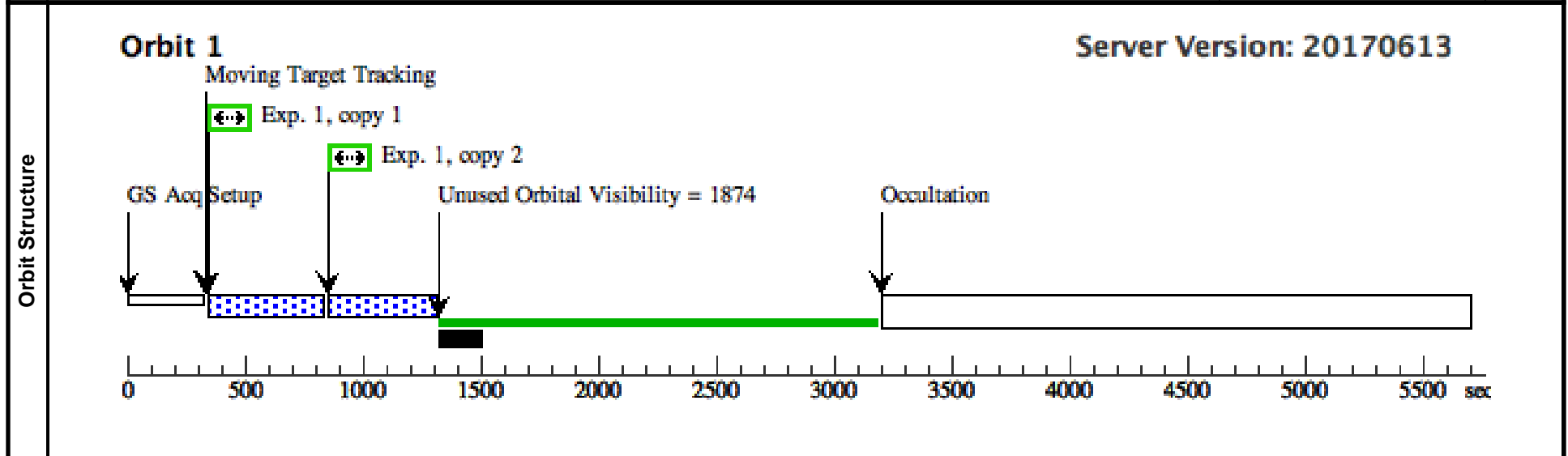
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(54) 2003QZ91		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 55					
	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)	2010GF65	TYPE=COMET,Q=22.095721850157 8,E=0.3357918462603329,I=12.41083 110712274,O=0.4396832882824689, W=284.8943671025588,T=22-SEP- 2028:15:16:56,TimeScale=TDB,EQ UINOX=J2000,EPOCH=21-APR- 2014:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

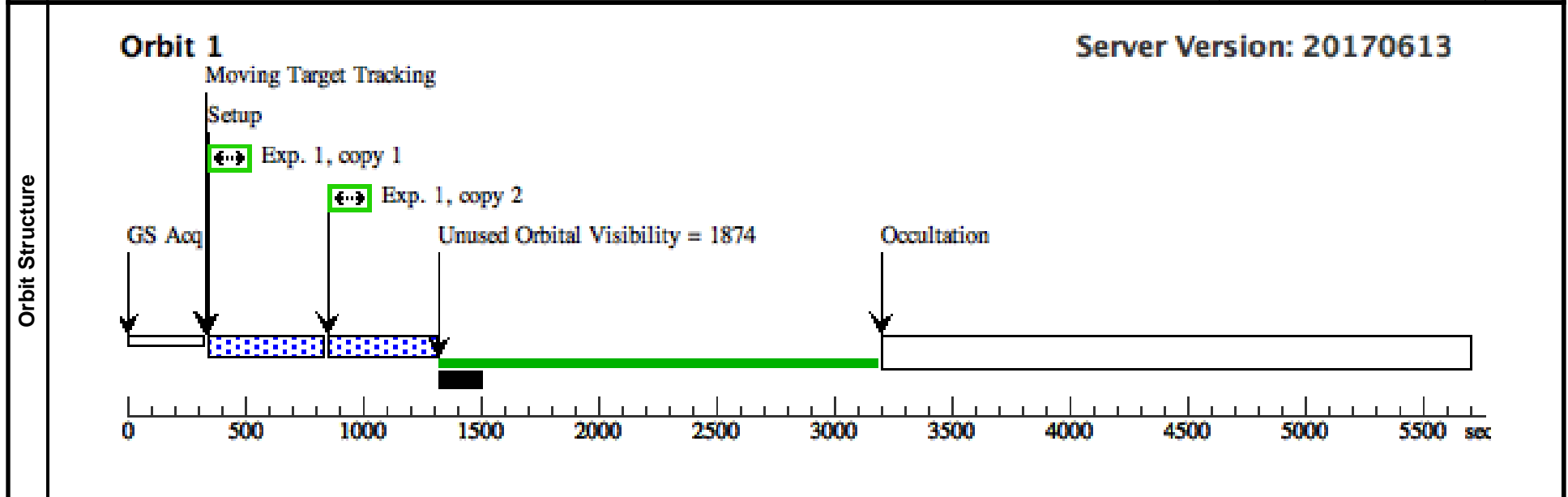
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(55) 2010GF65	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 56					
	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)	2013HX156	TYPE=COMET,Q=19.555981597609 67,E=0.1976837762894714,I=14.9087 1349812181,O=137.1589817453522, W=260.2036457559018,T=04-JUL- 2071:12:58:54,TimeScale=TDB,EQ UINOX=J2000,EPOCH=19-OCT- 2012:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

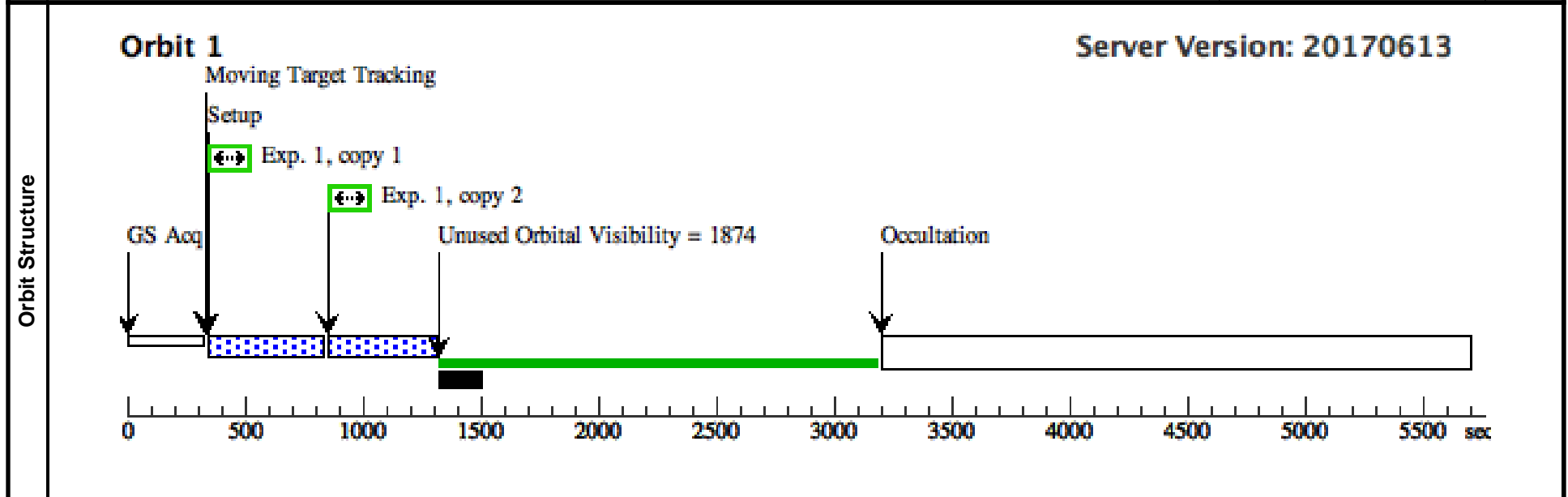
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(56) 2013HX156		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 57					
	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)	2012VU85	TYPE=COMET,Q=20.209175525319 16,E=0.3127691567271817,I=15.0421 0725903541,O=252.5818358768276, W=264.3357981749077,T=12-NOV- 2036:02:51:51,TimeScale=TDB,EQ UINOX=J2000,EPOCH=26-DEC- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

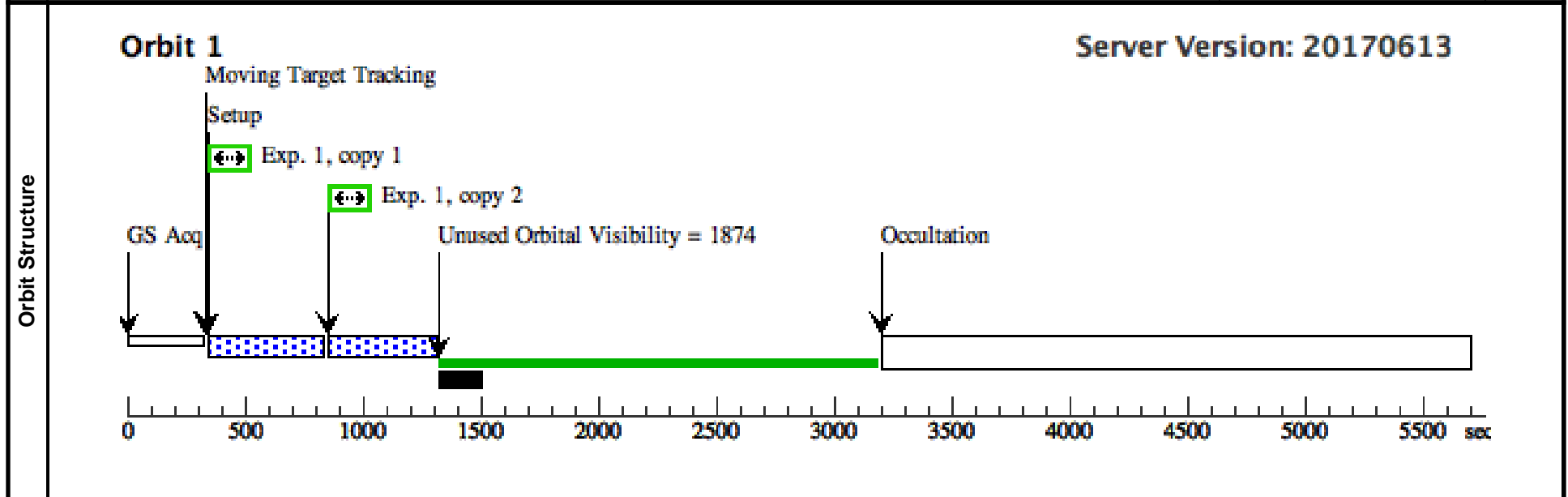
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(57) 2012VU85		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 58					
	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)	2008AU138	TYPE=COMET,Q=20.128144107693 53,E=0.3772797249831624,I=42.8469 8312908933,O=50.6344626624629,W =253.001718768411,T=30-OCT- 2098:21:39:16,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=18-SEP- 2008:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

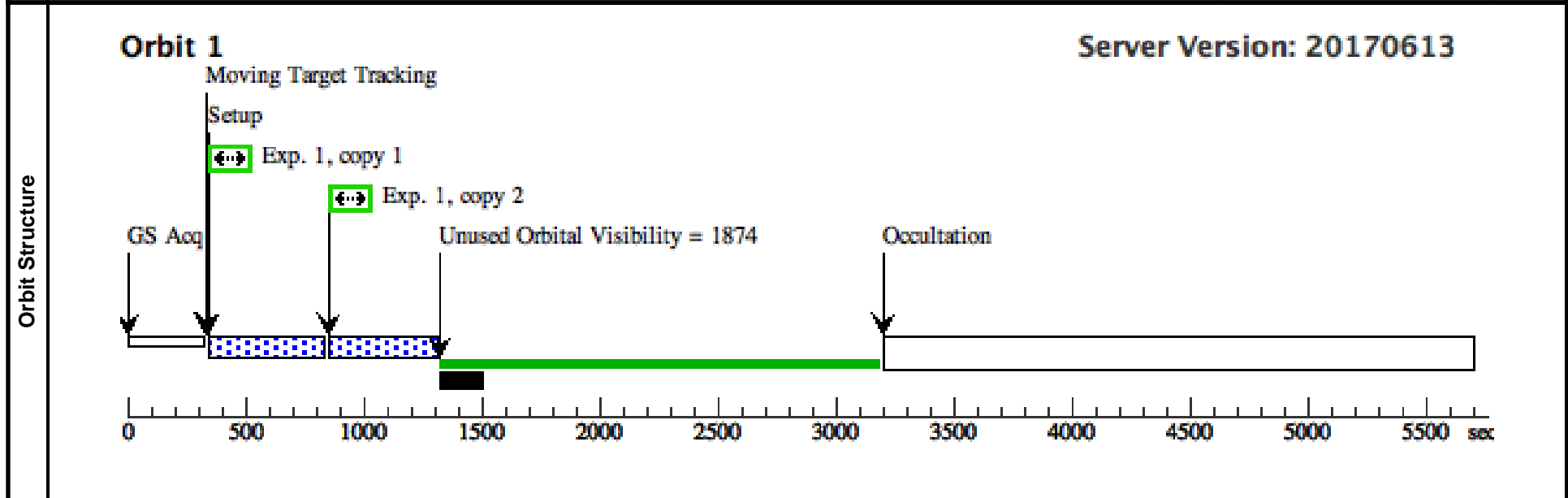
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(58) 2008AU138		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 59					
	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)	2013FN28	TYPE=COMET,Q=20.330687129648 87,E=0.427962350987419,I=8.643407 743328531,O=299.1487182015614,W =250.426180991317,T=29-JUN- 2017:23:29:06,TimeScale=TDB,EQ UINOX=J2000,EPOCH=11-JUN- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

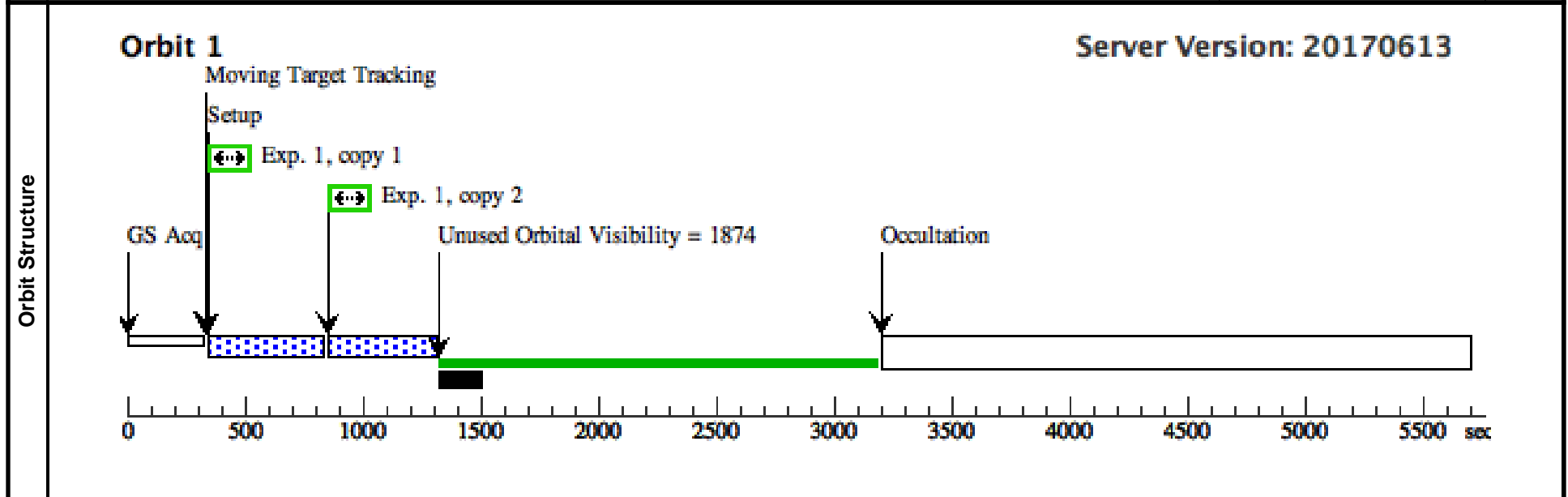
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(59) 2013FN28		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 60					
	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)	2011FX62	TYPE=COMET,Q=20.380616226393 28,E=0.5818343387936412,I=18.2633 7003151041,O=288.2975199838779, W=232.9784330317623,T=15-APR- 2005:09:23:14,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=02-DEC- 2004:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

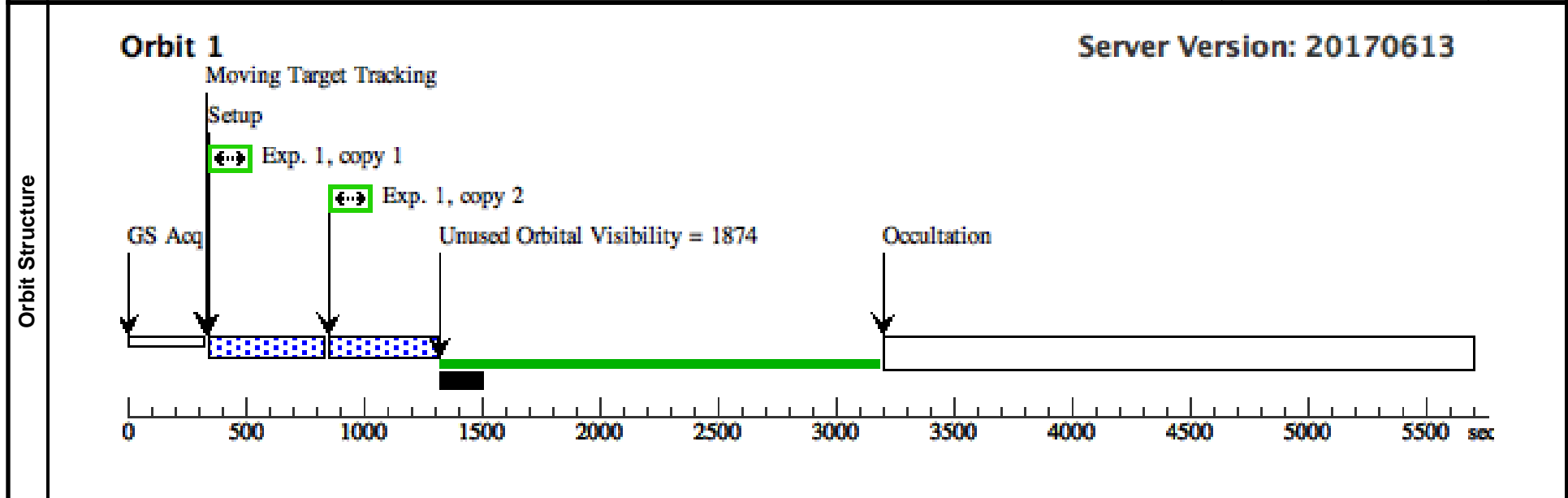
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(60) 2011FX62		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 61					
	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)	2006UX184	TYPE=COMET,Q=20.423159948075 53,E=0.4652909654419431,I=37.3768 391508716,O=39.46546614888652,W =20.86569460573877,T=12-SEP- 2016:12:45:31,TimeScale=TDB,EQ UINOX=J2000,EPOCH=22-MAR- 2013:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

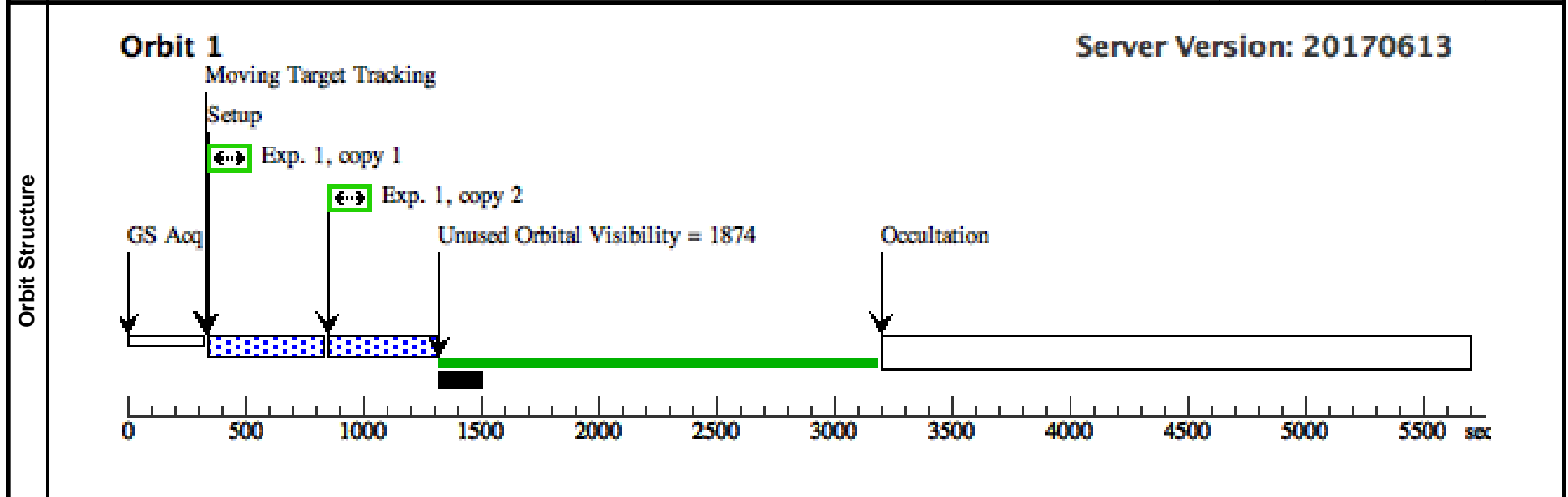
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(61) 2006UX184	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 62					
	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)	2004VM131	TYPE=COMET,Q=20.628848417235 18,E=0.6959118772139481,I=14.0520 5057068971,O=225.9180302694859, W=137.6750244120391,T=11-JAN- 1996:05:36:28,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=15-NOV- 2005:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

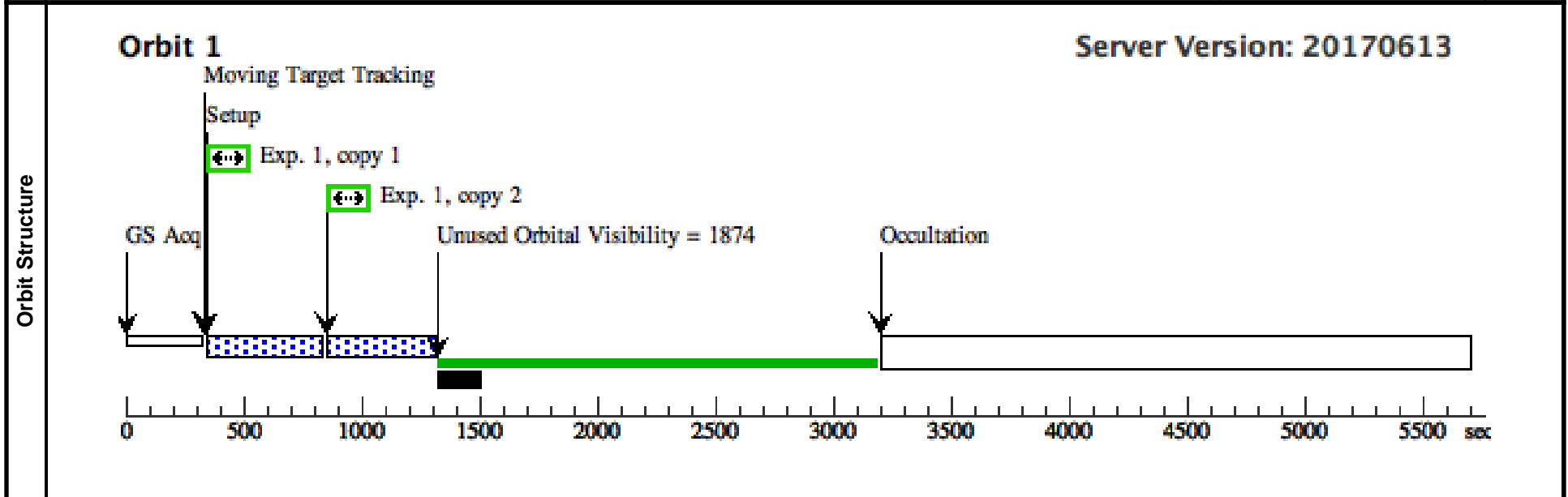
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(62) 2004VM131		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 63					
	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)	1998BU48	TYPE=COMET,Q=20.52328124271104,E=0.3852073588879451,I=14.2330933352176,O=132.7207362435513,W=282.7703146248215,T=03-NOV-1977:04:37:57,TimeScale=TDB,EQUINOX=J2000,EPOCH=27-MAR-2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

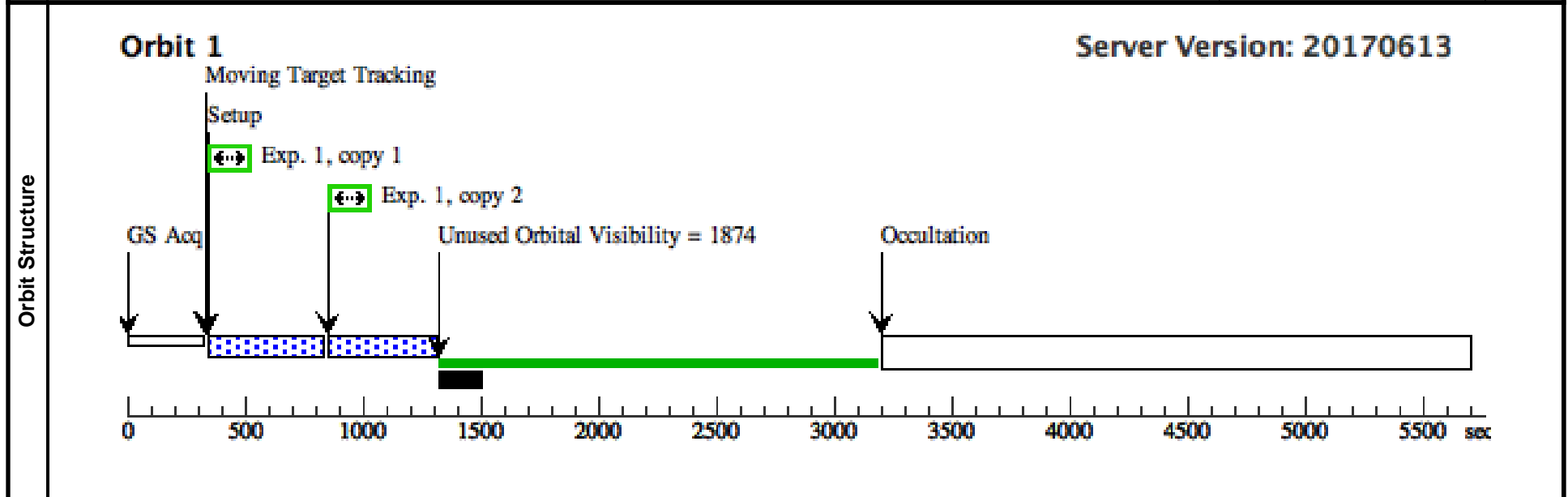
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(63)	1998BU48		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[=>(Copy 1)]	
									[=>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 64					
	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)	2000OO67	TYPE=COMET,Q=20.762438506611 84,E=0.963206953637004,I=20.08626 581432092,O=142.354317070773,W= 212.5365825271795,T=29-APR- 2005:21:17:05,TimeScale=TDB,EQ UINOX=J2000,EPOCH=27-FEB- 2002:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

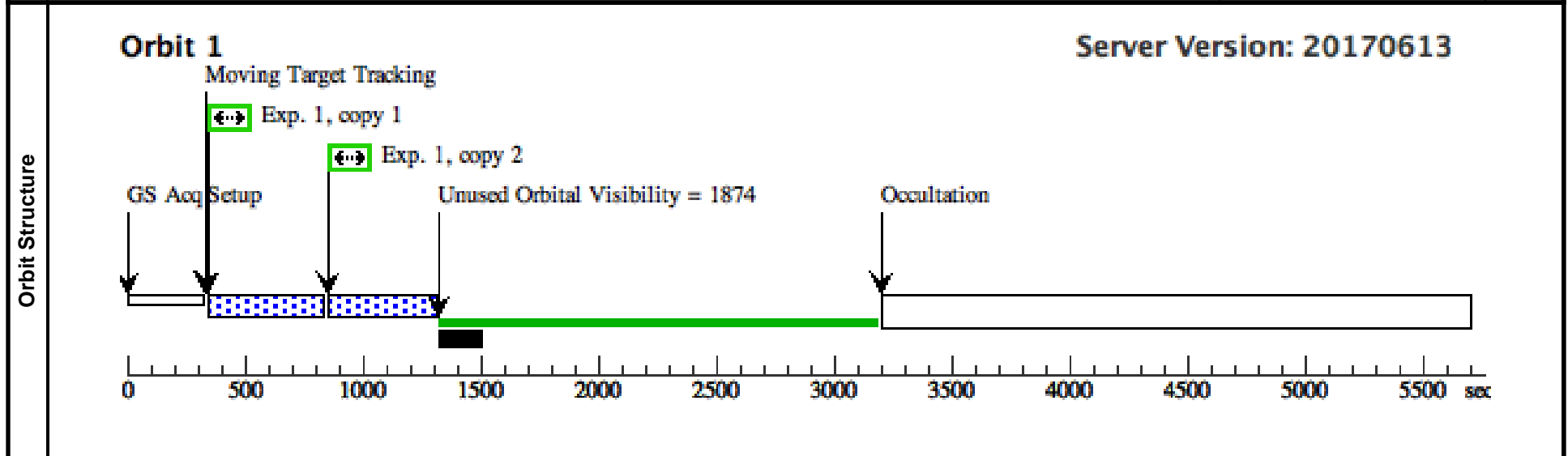
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(64) 2000OO67	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 65					
	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)	2002PQ152	TYPE=COMET,Q=20.894397919018 38,E=0.1887036824279753,I=9.34915 1568562448,O=324.8321691872558, W=355.0097059044415,T=23-MAR- 1998:10:54:34,TimeScale=TDB,EQ UINOX=J2000,EPOCH=27-OCT- 2006:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

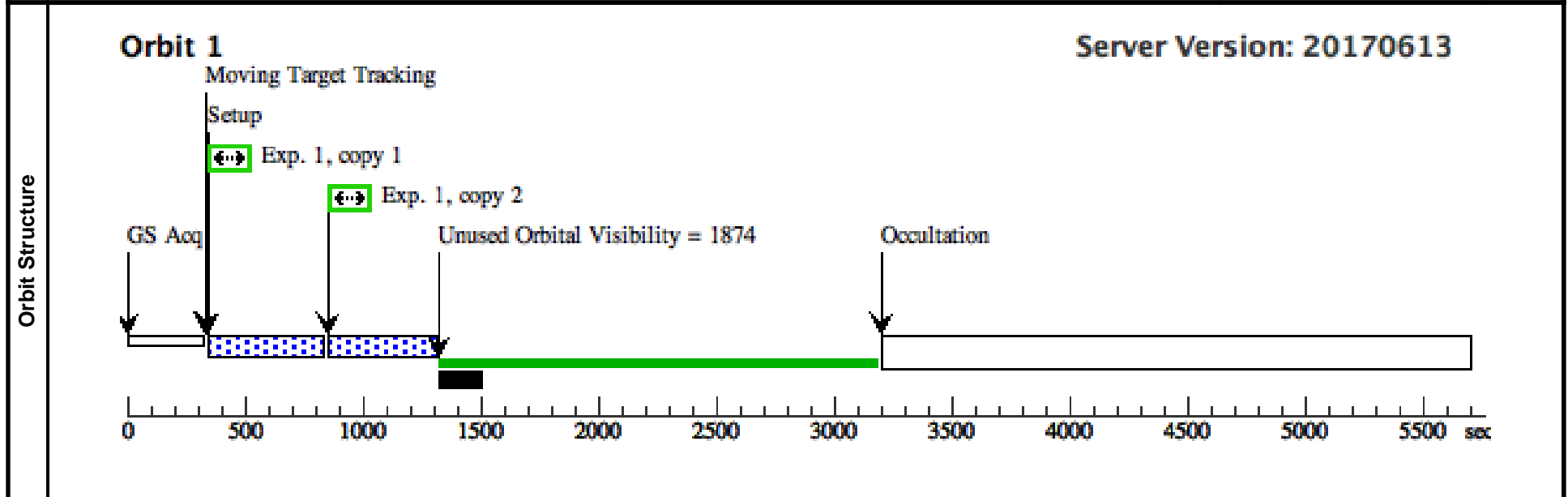
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(65) 2002PQ152		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 66					
	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)	2013UE15	TYPE=COMET,Q=20.907275366706 15,E=0.6561635176741349,I=6.73391 2842371812,O=24.19194883628629, W=18.74083540999319,T=01-OCT- 2011:23:35:26,TimeScale=TDB,EQ UINOX=J2000,EPOCH=11-SEP- 2013:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

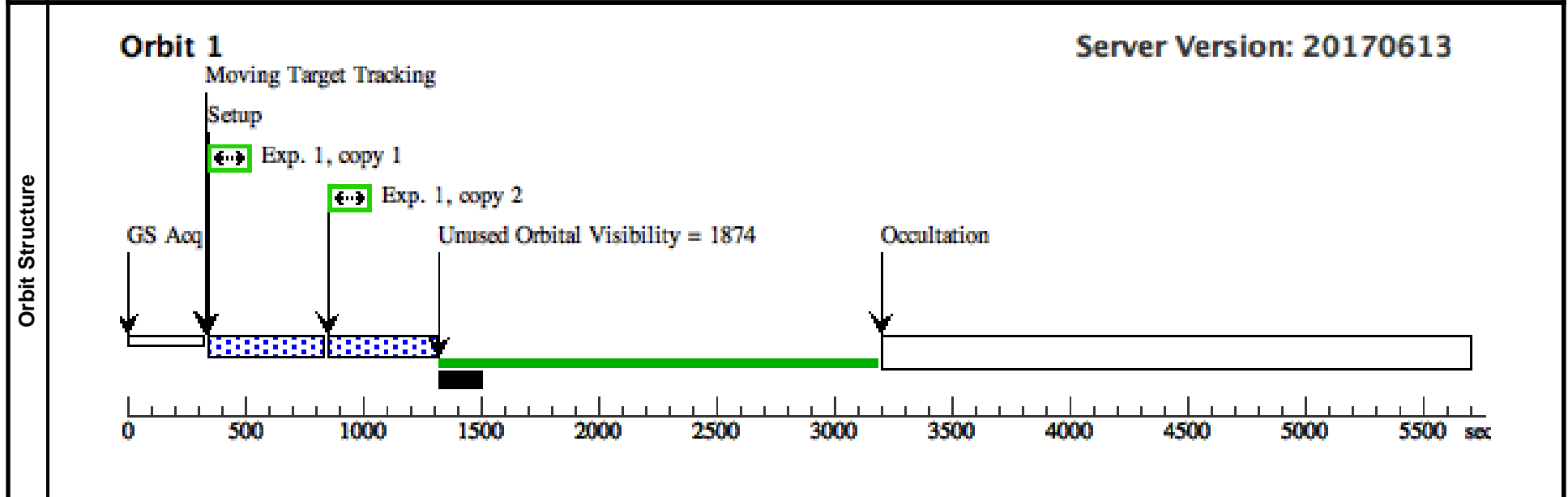
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(66) 2013UE15	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 67					
	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)	2002XU93	TYPE=COMET,Q=20.980643506751 7.E=0.6886697086108275,I=77.91672 121125657,O=90.3338900187467,W= 28.05065257752862,T=22-SEP- 2008:00:54:44,TimeScale=TDB,EQ UINOX=J2000,EPOCH=16-NOV- 2004:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

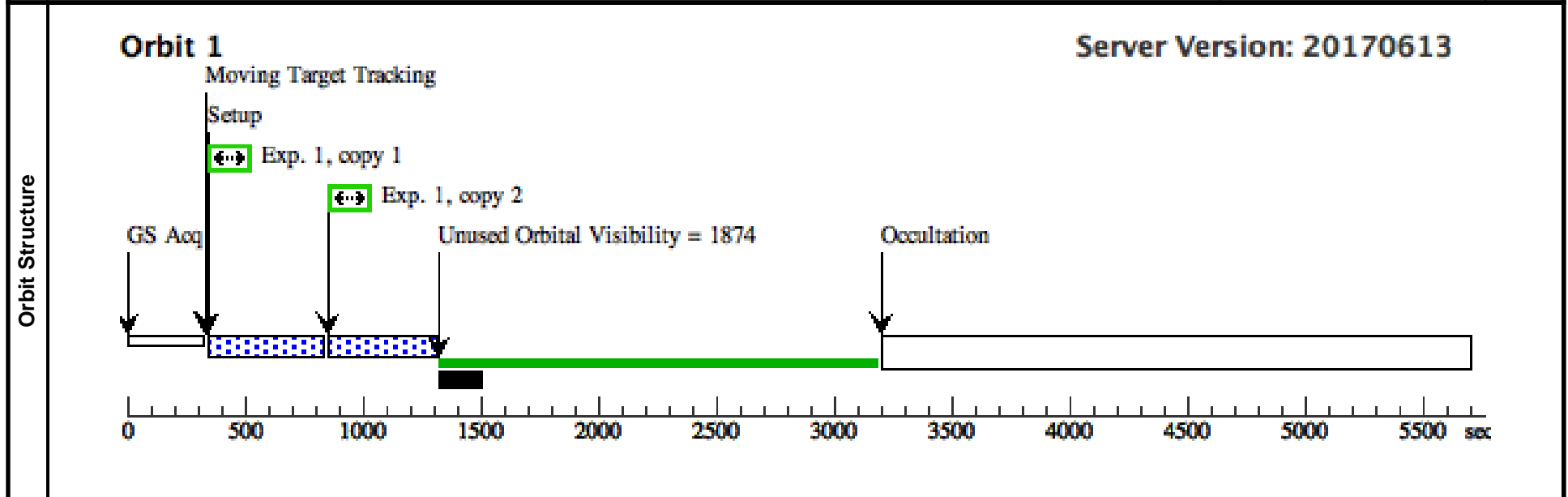
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(67) 2002XU93		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 68					
	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)	2010TY53	TYPE=COMET,Q=21.069117012607 95,E=0.4619371404521349,I=22.4537 3593667661,O=111.4764226526011, W=2.832720500947765,T=05-NOV- 2042:17:32:07,TimeScale=TDB,EQ UINOX=J2000,EPOCH=13-JAN- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

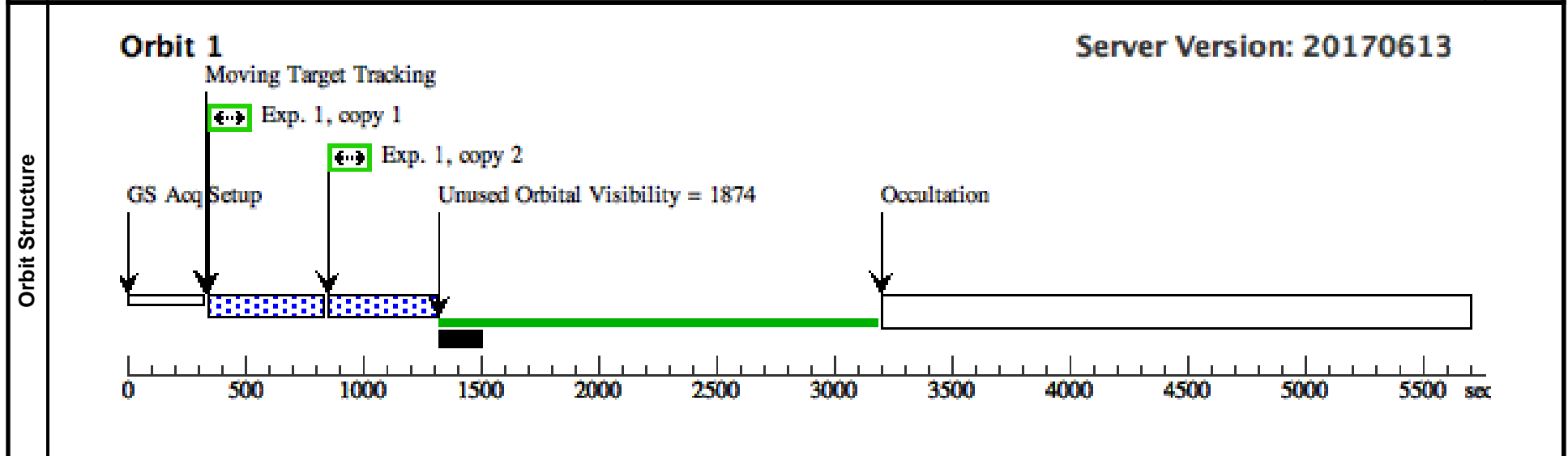
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(68) 2010TY53		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 69					
	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)	2007RW10	TYPE=COMET,Q=21.215007437350 61,E=0.2990558294302,I=36.1023653 6913693,O=187.0431642595452,W=9 6.42928759650334,T=01-MAY- 1985:00:36:42,TimeScale=TDB,EQ UINOX=J2000,EPOCH=28-AUG- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

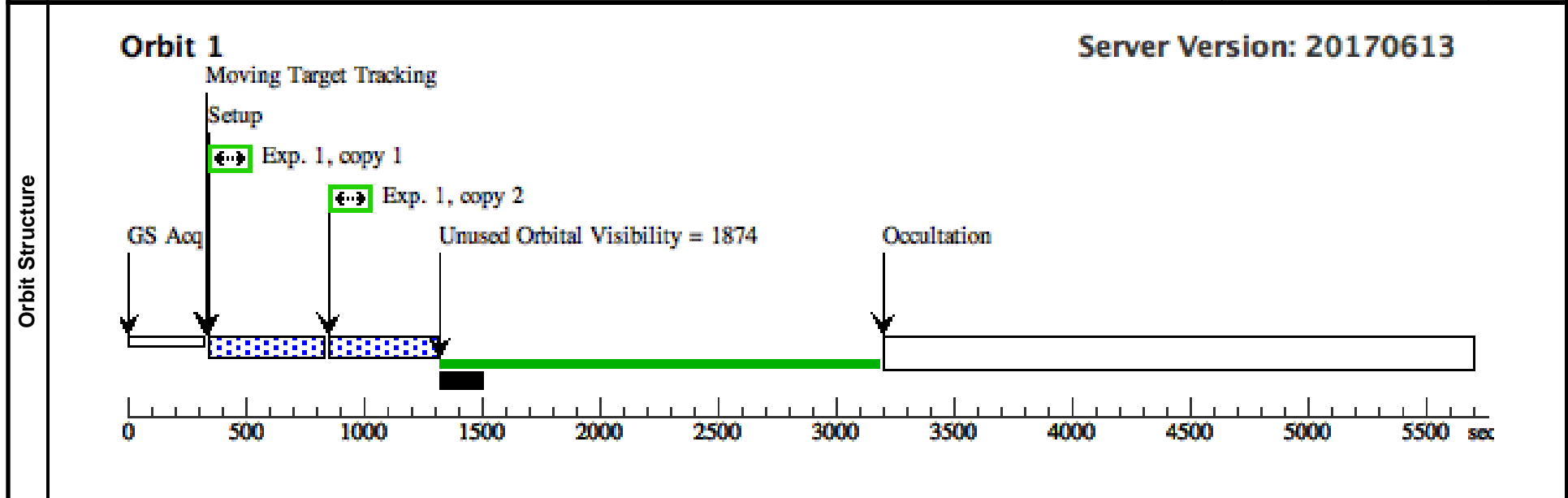
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(69) 2007RW10		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 70					
	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)	2013TC146	TYPE=COMET,Q=21.008239429336 7.E=0.1651231321798282,I=14.22602 544809419,O=147.4859986648097,W =53.3835792423739,T=12-JUN- 1982:14:56:47,TimeScale=TDB,EQ UINOX=J2000,EPOCH=08-AUG- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

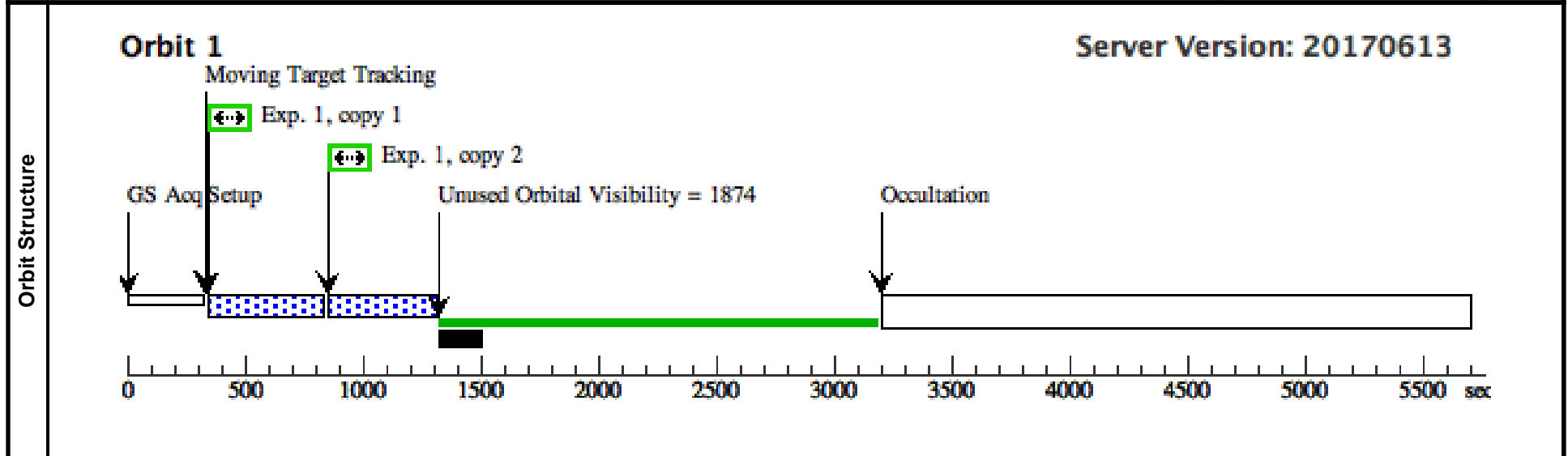
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(70) 2013TC146		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 71					
	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)	2008KV42	TYPE=COMET,Q=21.171429028616 31,E=0.4942107071540227,I=103.469 2834969466,O=261.003871508234,W =132.6233709352009,T=18-SEP- 2035:20:27:02,TimeScale=TDB,EQ UINOX=J2000,EPOCH=30-MAR- 2011:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

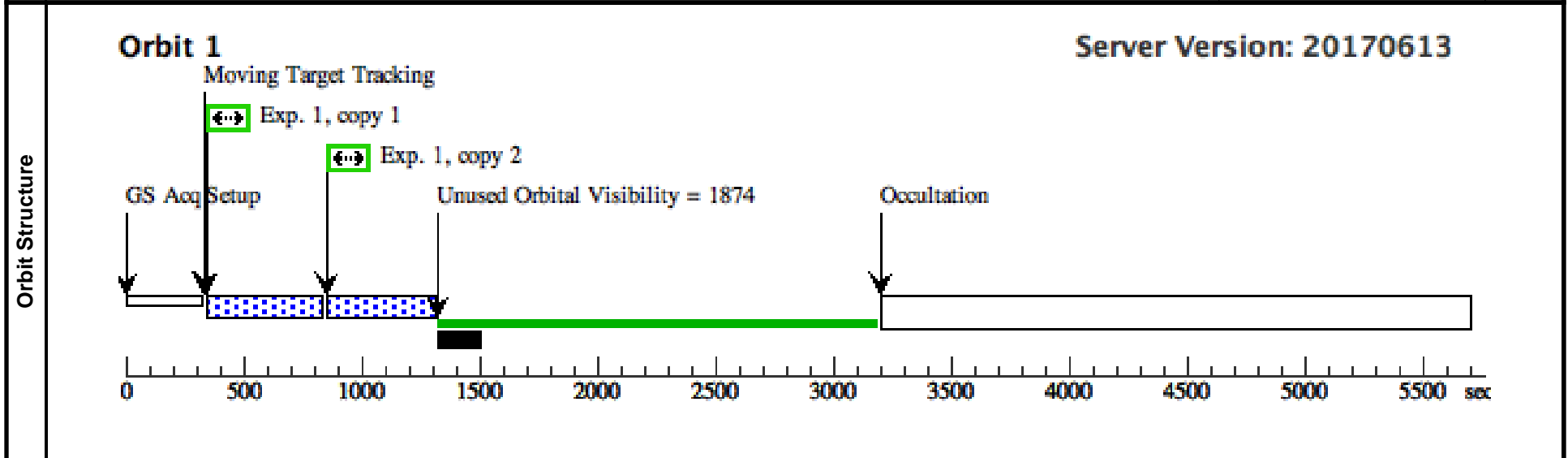
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(71) 2008KV42	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 72					
	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)	2010EN65	TYPE=COMET,Q=21.066395587620 93,E=0.3156941289778721,I=19.2443 5860538204,O=234.2860402608101, W=225.513866814505,T=26-MAY- 1995:03:46:11,TimeScale=TDB,EQ UINOX=J2000,EPOCH=15-JUL- 2013:00:00:00,EpochTimeScale=TDB				EARTH
	<i>Comments: Extended=NO</i>						

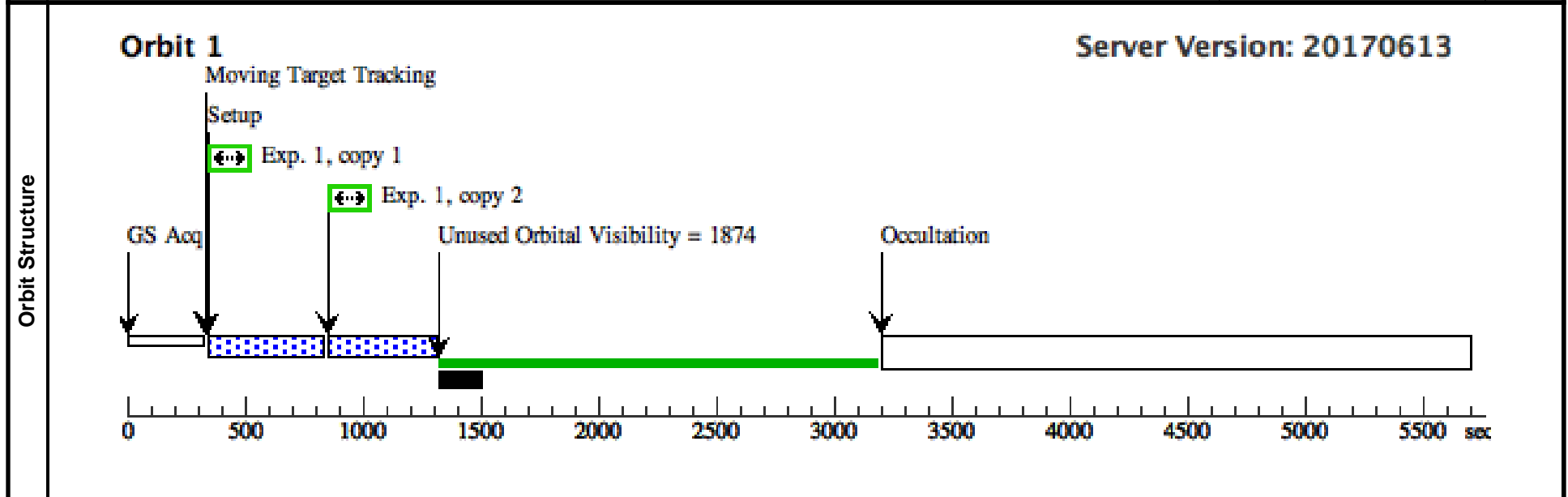
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(72) 2010EN65	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)	
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 73					
	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)	2014SB349	TYPE=COMET,Q=21.220208693260 46,E=0.1789353998890027,I=15.5204 5206604893,O=117.2358815106548, W=359.3366398032933,T=22-SEP- 2037:08:39:20,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=11-JAN- 2016:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

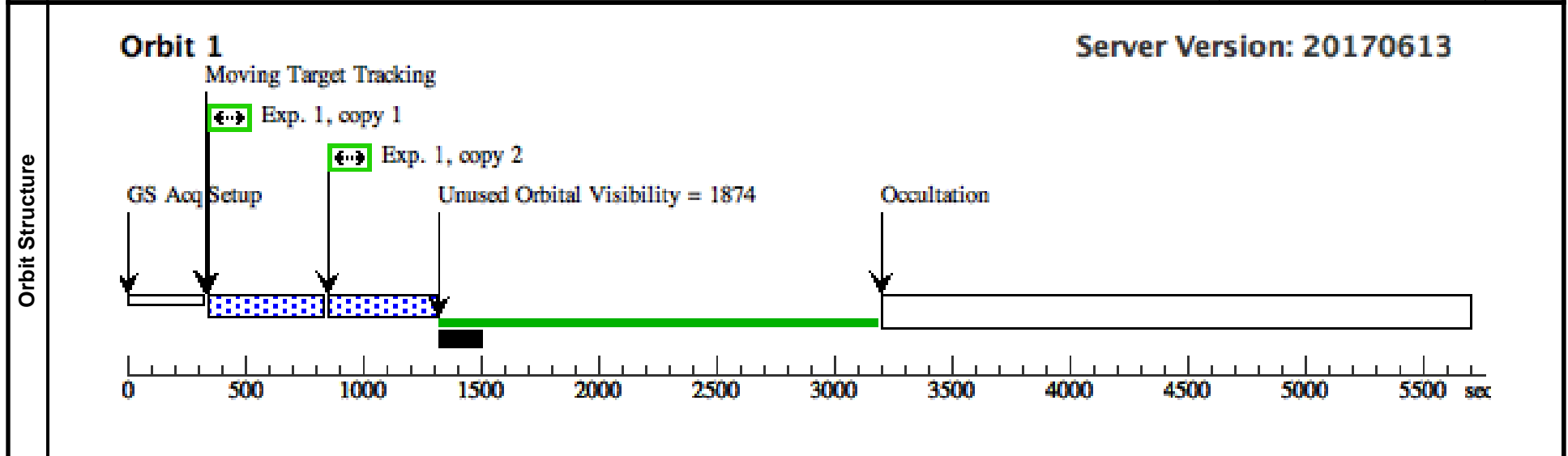
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(73) 2014SB349		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 74					
	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)	2014GP53	TYPE=COMET,Q=21.288191109566 29,E=0.2029366983265826,I=14.2646 2354376386,O=109.2634758380381, W=88.77823796165866,T=04-FEB- 2011:00:30:11,TimeScale=TDB,EQ UINOX=J2000,EPOCH=02-MAY- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

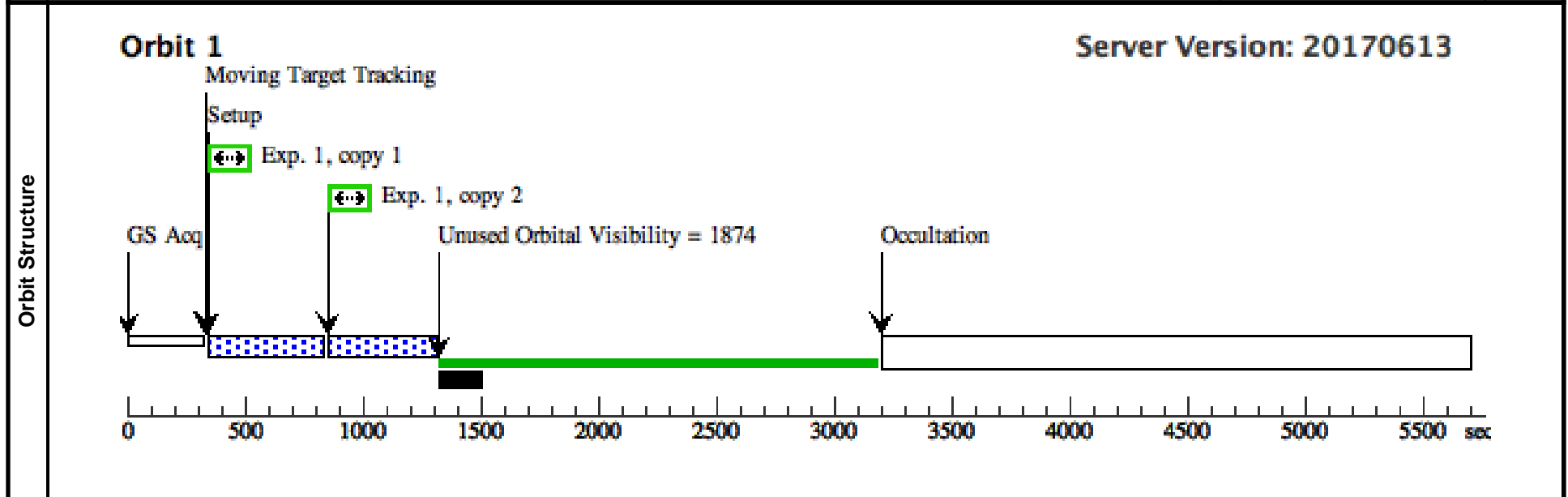
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(74) 2014GP53		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[=>(Copy 1)]	
									[=>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 75					
	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)	2010TV191	TYPE=COMET,Q=21.693700118598, E=0.1272141869030836,I=11.5005136 5114228,O=200.4842441985525,W=4 0.95663807138695,T=16-APR- 1953:06:57:05,TimeScale=TDB,EQ UINOX=J2000,EPOCH=25-MAY- 2013:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(75) 2010TV191		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]



Visit	Proposal 15344, Visit 76					
	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)	2013MY11	TYPE=COMET,Q=21.512769772628 81,E=0.5834078431531987,I=14.5220 2900839088,O=99.70398194746734, W=195.2306116926043,T=16-DEC- 2010:16:07:23,TTTimeScale=TDB,EQ UINOX=J2000,EPOCH=29-JAN- 2014:00:00:00,EpochTimeScale=TDB				
<i>Comments: Extended=NO</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(76) 2013MY11		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				300 Secs X 2 (600 Secs)
									[==>(Copy 1)]	
									[==>(Copy 2)]	[1]

