



Visit	Proposal 1234, Visit: AA
	Diagnostic Status: Error Scientific Instruments: ACS/WFC, STIS/FUV-MAMA, ACS/HRC, STIS/CCD, WFPC2, STIS/NUV-MAMA Special Requirements: Period 1.2119 D AND ZERO-PHASE JD2452072.68492
Diagnostics	(Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) Error: Fixed and Solar System targets may not be used in the same visit (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) LONG STIS MAMA SU LIKELY TO INTERSECT THE SAA (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) ORBIT PLANNER SERVER INTERNAL ERROR (Visit AA) MERGING RULE VIOLATED DURING AUTOMATIC MERGING (23 60 (AA.034)Pattern 1, Split 3) Error: 4 is not within the legal range of 17 to 18 (23 60 (AA.034)Pattern 2, Split 1) Error: 18 is not within the legal range of 17 to 5 (23 60 (AA.034)Pattern 2, Split 3) Error: 5 is not within the legal range of 18 to 19 (23 60 (AA.034)Pattern 3, Split 1) Error: 19 is not within the legal range of 18 to 6 (23 60 (AA.034)Pattern 3, Split 3) Error: 6 is not within the legal range of 19 to 20 (Visit AA) VISIBILITY OVERRUN (Visit AA) VISIBILITY OVERRUN (Visit AA) POINTING DIFFERENCE EXCEEDS LIMIT (Visit AA) POINTING DIFFERENCE EXCEEDS LIMIT (Visit AA) VISIBILITY OVERRUN (Visit AA) VISIBILITY OVERRUN (Visit AA) POINTING DIFFERENCE EXCEEDS LIMIT (Visit AA) VISIBILITY OVERRUN (Visit AA) VISIBILITY OVERRUN (Visit AA) VISIBILITY OVERRUN (Visit AA) VISIBILITY OVERRUN (Visit AA) VISIBILITY OVERRUN (Visit AA) POINTING DIFFERENCE EXCEEDS LIMIT (Visit AA) POINTING DIFFERENCE EXCEEDS LIMIT (Visit AA) POINTING DIFFERENCE EXCEEDS LIMIT

Diagnostics (continued)

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Patterns (continued)	#	Label	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern 9-10	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Coordinate Frame=POS-TARG Pattern Orientation=34.1 Center Pattern=false	Pattern Type=LINE Purpose= Number Of Points=1 Point Spacing= Coordinate Frame= Pattern Orientation= Center Pattern=false	9, 10	
	(3)	Pattern 18-18	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Coordinate Frame=POS-TARG Pattern Orientation=20.7 Center Pattern=true	Pattern Type=LINE Purpose= Number Of Points=1 Point Spacing= Coordinate Frame= Pattern Orientation= Center Pattern=false	18	
	(5)	Pattern 19-19	Pattern Type=WFC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559 Coordinate Frame=POS-TARG Pattern Orientation=26.6 Center Pattern=true	Pattern Type=LINE Purpose= Number Of Points=1 Point Spacing= Coordinate Frame= Pattern Orientation= Center Pattern=false	19	
	(6)	Pattern 27-28	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=6.105 Coordinate Frame=POS-TARG Pattern Orientation=91.2 Center Pattern=true	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.086 Coordinate Frame=POS-TARG Pattern Orientation=85.4 Center Pattern=false	27, 28	
	(7)	Pattern 30-30	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.071 Coordinate Frame=POS-TARG Pattern Orientation=5.8 Center Pattern=false	Pattern Type=LINE Purpose= Number Of Points=1 Point Spacing= Coordinate Frame= Pattern Orientation= Center Pattern=false	30	
	(8)	Pattern 34-34	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.55 Coordinate Frame=POS-TARG Pattern Orientation=90 Center Pattern=false	Pattern Type=LINE Purpose= Number Of Points=1 Point Spacing= Coordinate Frame= Pattern Orientation= Center Pattern=false	34	
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	ngc4258-inner	RA: 12 18 47.59 (184.69829d) Dec: +47 20 18.6 (47.33850d) Equinox: J2000 Plate Id: 024D	Proper Motion RA: -0.0s/yr Proper Motion Dec: -0.0"/yr Parallax: -0.0"		Coordinate Source: GUIDE_STAR_CATALOG
<i>Comments: North of nucleus</i>						

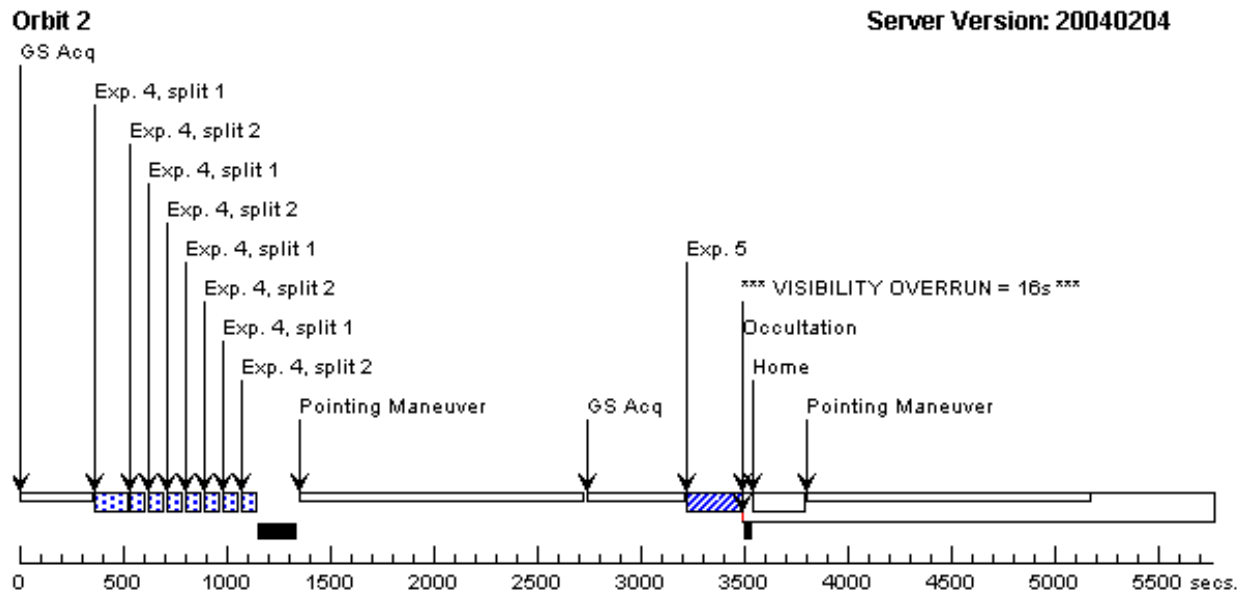
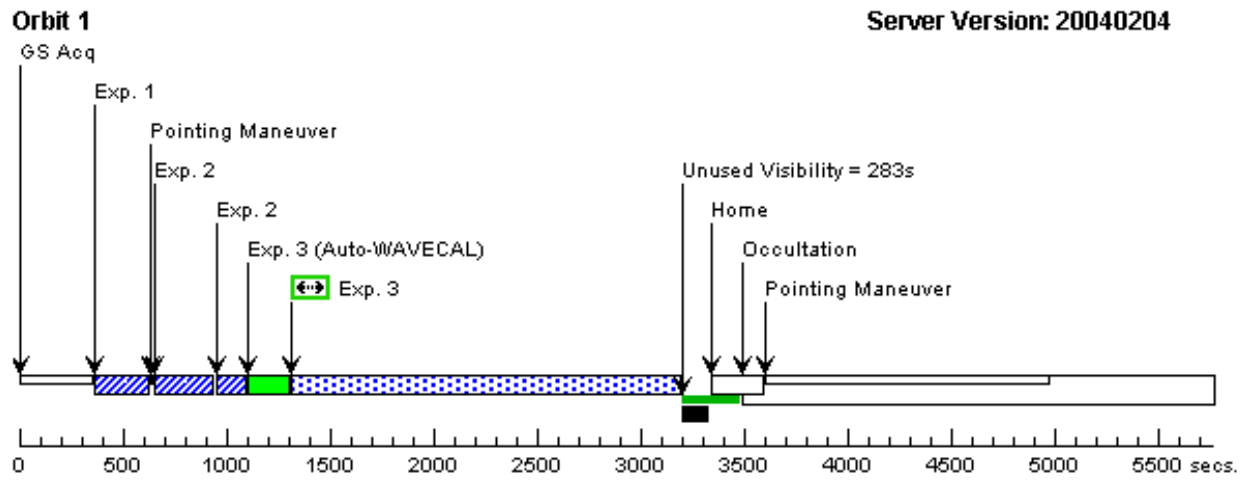
Fixed Targets (continued)	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous		
	(2)	PSRJ0537-6910-OFFSET	RA: 05 37 46.56 (84.44400d) Dec: -69 10 9.04 (-69.16918d) Equinox: J2000 Plate Id: 05ZW	Proper Motion RA: Proper Motion Dec: Parallax:		Coordinate Source: HST_IMAGE		
	<i>Comments: The coordinates of the star used for the offset have been obtained from our ACS images of the field obtained during cycle11 (prog. 9471) We note that the V band magnitude of this star, as given in the GSC2 is probably wrong. According to the PI's experience with the GSC2 pipeline, this is probably due to the crowding of the region which makes it difficult to derive accurate magnitudes from photographic plates. We measured the magnitude of this star both from our ground-based NTT images (Mignani et al, 2000, A&A 355, 603) and from recently acquired ACS images (GO-9471) and in both cases we got V~16.</i>							
(12)	FM-TAU	RA: 04 14 13.56 (63.55650d) Dec: +28 12 49.9 (28.21386d) Equinox: J2000 Plate Id:	Proper Motion RA: Proper Motion Dec: Parallax: -0.0"		Coordinate Source: GUIDE_STAR_CATALOG			
<i>Comments: GSC 1827-1032</i>								
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window		
	(1)	SATURN-EAST -PANDORA- PROMETHEUS	STD=SATURN	TYPE=TORUS, LONG=270.0, L AT=0.0, RAD=50000.0, POLE_ LAT=90.0		OLG OF PANDORA BETWEEN 5.0 175.0, OLG OF PROMETHEUS BETWEEN 5.0 175.0		
<i>Comments: E ansa of rings centered on E limb of Saturn. Pandora and Prometheus constrained to be on East by OLG.</i>								
Generic Targets	#	Name	Criteria	Description				
	(1)	SN2003AA	OTHER: NEW SUPERNOVA	SUPERNOVA TYPE II				
<i>Comments: new supernova may be V -6 to 15</i>								
ExposuresC	#	Targ	Config, Mode, Aperture	Spectral Els.	Label/Optional Params.	SRs/Patterns/Comments	Exp. Time/[Actual Dur.]	Orbit
	1	(1)	STIS/CCD, ACQ, F28X50OII	MIRROR	01 Acq (AA.001) ACQTYPE=POINT		0.2	1
	2	(1)	STIS/CCD, ACQ/PEAK, 0.2X0.09	G430L 4300 Angstroms	01 Peakup (AA.002)		1.0	1
	3	(1)	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2013 Angstroms	01 Exposure 3 (AA.003)		1860.0	1
	4	(1)	ACS/HRC, ACCUM, HRC	F475W	02 Exposure 1 (AA.004) GAIN=4, CR-SPLIT=NO	PHASE 0.997 TO 0.0040 Pattern 4-4 (1)	75.0 [Pattern 1] [Pattern 2] [Pattern 3] [Pattern 4]	[2]
	5	(1)	STIS/CCD, ACQ, F28X50LP	MIRROR	03 Exposure 1 (AA.005)		10.0	2
	6	(1)	STIS/CCD, ACQ, F28X50LP	MIRROR	04 Exposure 1 (AA.006)		1.0	3
	7	(1)	STIS/CCD, ACCUM, F25ND5	G230LB 2375 Angstroms	05 85 (AA.007) CR-SPLIT=NO		6.0	3
	8	(1)	WFPC2, IMAGE, PC1-FIX	F336W	06 Exposure 1 (AA.008)	<i>U filter</i>	30.0	3
	9	(1)	ACS/WFC, ACCUM, WFCENTER	F435W	07 BI (AA.009) CR-SPLIT=NO	Pattern 9-10 (2)	900.0 [Pattern 1] [Pattern 2]	[3] [4]

#	Targ	Config,Mode,Aperture	Spectral Els.	Label/Optional Params.	SRs/Patterns/Comments	Exp. Time/[Actual Dur.]	Orbit
10	ANY	WFPC2,IMAGE,WFall	F814W	07 WFPC2I (AA.010) CR-SPLIT=NO	Pattern 9-10 (2)	800.0	
						[Pattern 1]	[3]
						[Pattern 2]	[4]
11	(1)	ACS/WFC,ACCUM,WFC	F606W	08 Exposure 1 (AA.011) GAIN=1, CR-SPLIT=NO	LOW-SKY	2500.0	4
12	(1)	ACS/WFC,ACCUM,WFC	F606W	09 Exposure 1 (AA.012) GAIN=1, CR-SPLIT=NO	POS TARG 0.346,0.03; LOW-SKY	2500.0	5
13	(12)	ACS/HRC,ACCUM,HRC	PR200L	10 1 (AA.013) GAIN=2, CR-SPLIT=2	GS ACQ SCENARIO SINGLE	10.0	
						[Split 1] [Split 2]	[6]
14	(1)	STIS/CCD,ACQ,F28X50LP	MIRROR	11 Acquisition (AA.014)		0.4	6
15	(1)	STIS/NUV-MAMA,TIME-TAG, 52X0.5	G230L 2376 Angstroms	11 NUV-1 (AA.015) BUFFER-TIME=99	CH 15 May 2003: changed buffertime to 99s (minimum continuously sustainable to protect against data loss should source flare during observation)	2240.0	6
16	CCD FLA T	STIS/CCD,ACCUM,0.3X0.09	G750L 7751 Angstroms	11 Flat-field (AA.016)	CH 15 May 2003 changed aperture as per STIS handbook table 11.1	[Copy 1] [Copy 2]	[6]
17	(1)	ACS/WFC,ACCUM,WFC	F606W	12 Exposure 1 (AA.017) CR-SPLIT=NO	Orbit 1	30.0	6
18	(1)	ACS/WFC,ACCUM,WFC	F814W	13 Exposure 1 (AA.018) GAIN=2, CR-SPLIT=NO	Pattern 18-18 (3)	50.0	
						[Pattern 1]	[7]
						[Pattern 2]	[8]
						[Pattern 3] [Pattern 4]	[8]
19	(1)	WFPC2,IMAGE,PC1-FIX	F814W	14 Exposure 1 (AA.019) CR-SPLIT=NO, ATD-GAIN=7	Pattern 19-19 (5)	500.0	
						[Pattern 1, Copy 1] [Pattern 1, Copy 2] [Pattern 2, Copy 1] [Pattern 2, Copy 2=600.0] [Pattern 3, Copy 1=600.0] [Pattern 3, Copy 2]	[9]
						[Pattern 4, Copy 1=600.0] [Pattern 4, Copy 2=600.0]	[10]
20	(1)	STIS/CCD,ACQ,F28X50LP	MIRROR	15 Exposure 1 (AA.020) ACQTYPE=POINT		2.0	11
21	(1)	STIS/CCD,ACQ,F28X50OII	MIRROR	16 HD32039-ACQ (AA.021) ACQTYPE=POINT		0.3	11
22	(1)	STIS/CCD,ACQ/PEAK, 0.2X0.05ND	MIRROR	16 HD32039-PEAK (AA.022)		0.1	12
23	(1)	STIS/FUV-MAMA,ACCUM, 0.2X0.09	E140H 1598 Angstroms	16 HD32039-1598 (AA.023)		841.0	
						[Copy 1] [Copy 2]	[12]

Exposures C (continued)

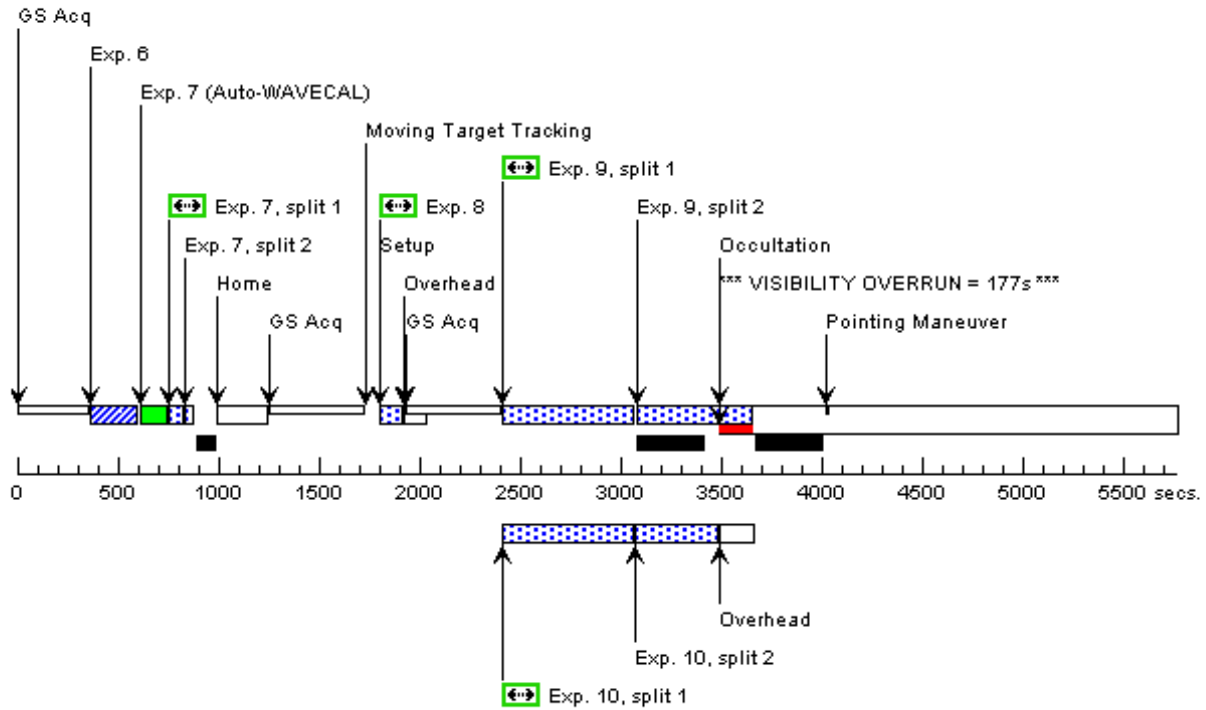
#	Targ	Config,Mode,Aperture	Spectral Els.	Label/Optional Params.	SRs/Patterns/Comments	Exp. Time/[Actual Dur.]	Orbit
24	(1)	ACS/WFC,ACCUM,WFC	F606W	17 v1 (AA.024) GAIN=2, CR-SPLIT=NO, COMPRESSION=NO NE	<i>In this exposure sequence we tie 5 exposures in the F606W filter (all to be excuted in orbit 1), each image has an: 1) exposure time of 396 sec; 2) COMPRESSION=NONE 3) CR_SPLIT=NO 4) GAIN=2 The employed dithering pattern in this orbit covers the gap.</i>	396.0	13
25	(1)	ACS/WFC,ACCUM,WFC	F606W	17 v2 (AA.025) GAIN=2, CR-SPLIT=NO, COMPRESSION=NO NE	POS TARG 2.01,2.02	396.0	13
26	(1)	ACS/WFC,ACCUM,WFC	F435W	18 N6388-F435W (AA.026) CR-SPLIT=NO		11.0	14
27	(1)	ACS/WFC,ACCUM,WFCENTER	F814W	19 Cosmos09-25 (AA.027) CR-SPLIT=NO	Pattern 27-28 (6)	507.0	
						[Pattern 1,1]	[14]
						[Pattern 1,2]	[15]
28	ANY	WFPC2,IMAGE,WFall	F300W	19 Cosmos09-25-WFPC2 (AA.028) CR-SPLIT=NO	Pattern 27-28 (6)	[Pattern 2,1]	[14]
						[Pattern 1,1]	[15]
						[Pattern 1,2]	[15]
29	(1)	ACS/HRC,ACCUM,HRC-FIX	F606W	20 Exposure 1 (AA.029) CR-SPLIT=NO	<i>Planet saturation test for F606W.</i>	120.0	16
30	(1)	ACS/HRC,ACCUM,HRC-FIX	F435W	20 Exposure 11 (AA.030) CR-SPLIT=NO	Pattern 30-30 (7)	30.0	
						[Pattern 1]	[16]
						[Pattern 2]	
31	(2)	STIS/CCD,ACQ,F28X50LP	MIRROR	21 Exposure 1 (AA.031) CHECKBOX=7, ACQTYPE=DIFFUSE , DIFFUSE-CENTER=FLUX-CENTROID	<i>Acquire on P1</i>	10.0	16
32	(2)	STIS/CCD,ACQ,50CCD	MIRROR	22 Exposure 1 (AA.032) ACQTYPE=POINT	<i>Acquisition exposure</i>	5.0	17
33	(2)	STIS/CCD,ACQ,F28X50LP	MIRROR	23 10 (AA.033) ACQTYPE=POINT		5.0	17
34	(1)	STIS/CCD,ACCUM,52X0.2	G430M 4451 Angstroms	23 60 (AA.034) CR-SPLIT=3	Pattern 34-34 (8)	3045.0	
						[Pattern 1, Split 3=1022.0]	[4]
						[Pattern 2, Split 3=1022.0]	[5]
						[Pattern 3, Split 3=1022.0]	[6]
						[Pattern 1, Split 1]	[17]
						[Pattern 1, Split 2]	[18]
						[Pattern 2, Split 1]	[19]
[Pattern 2, Split 2]							
[Pattern 3, Split 1]							
[Pattern 3, Split 2]							

Exposures C (continued)



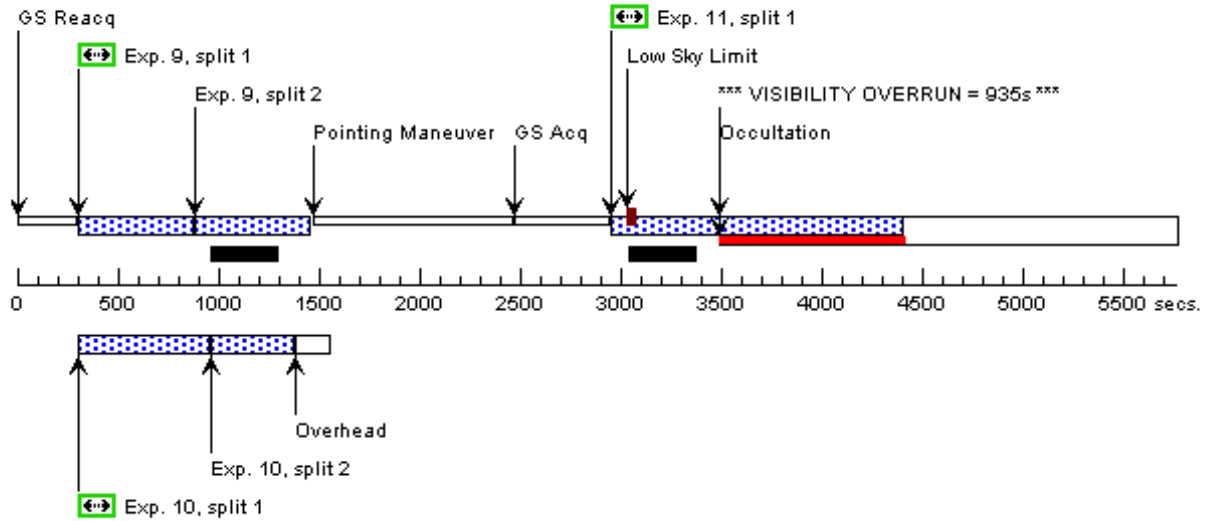
Orbit 3

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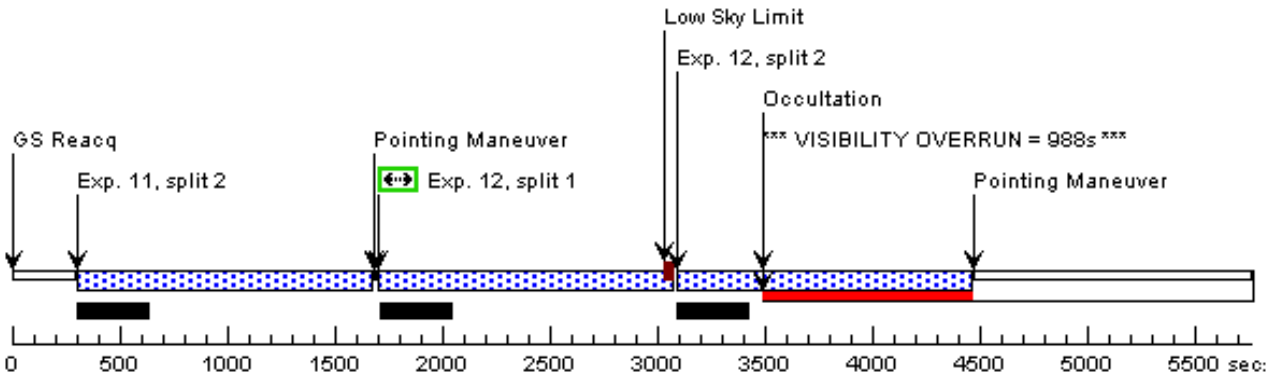
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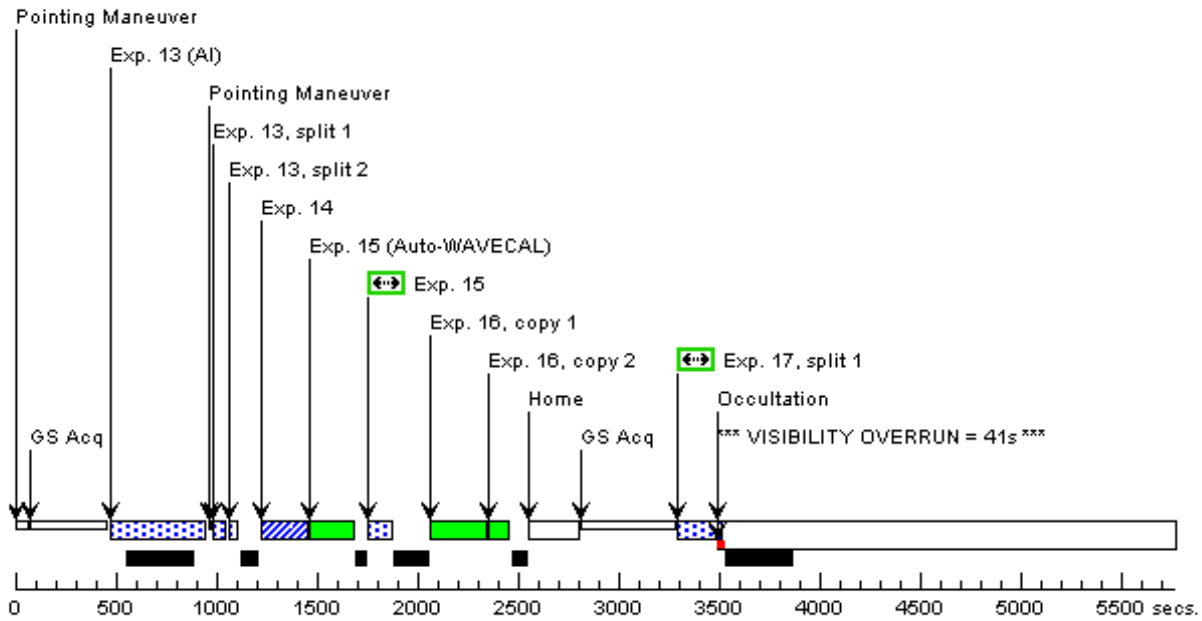
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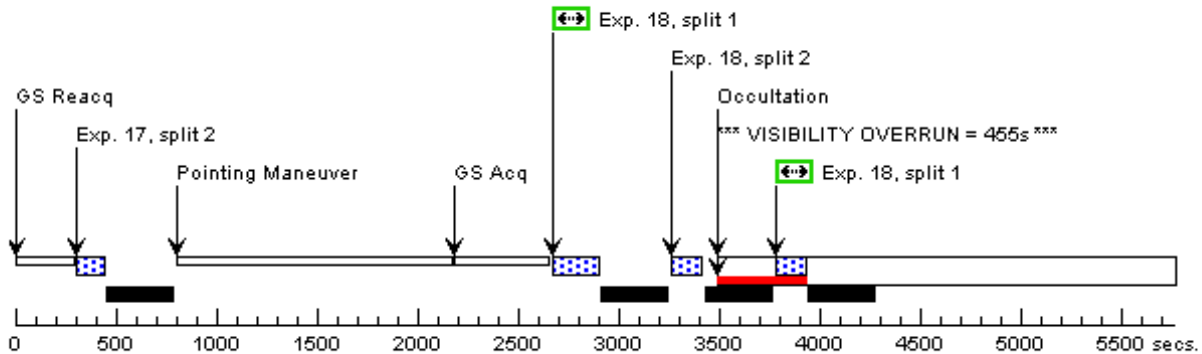
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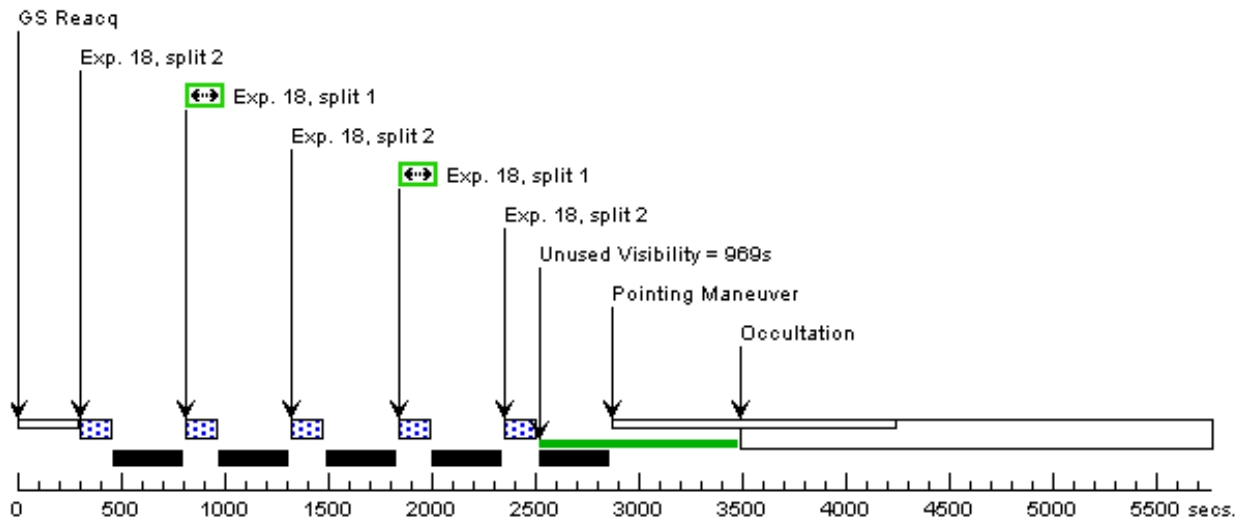
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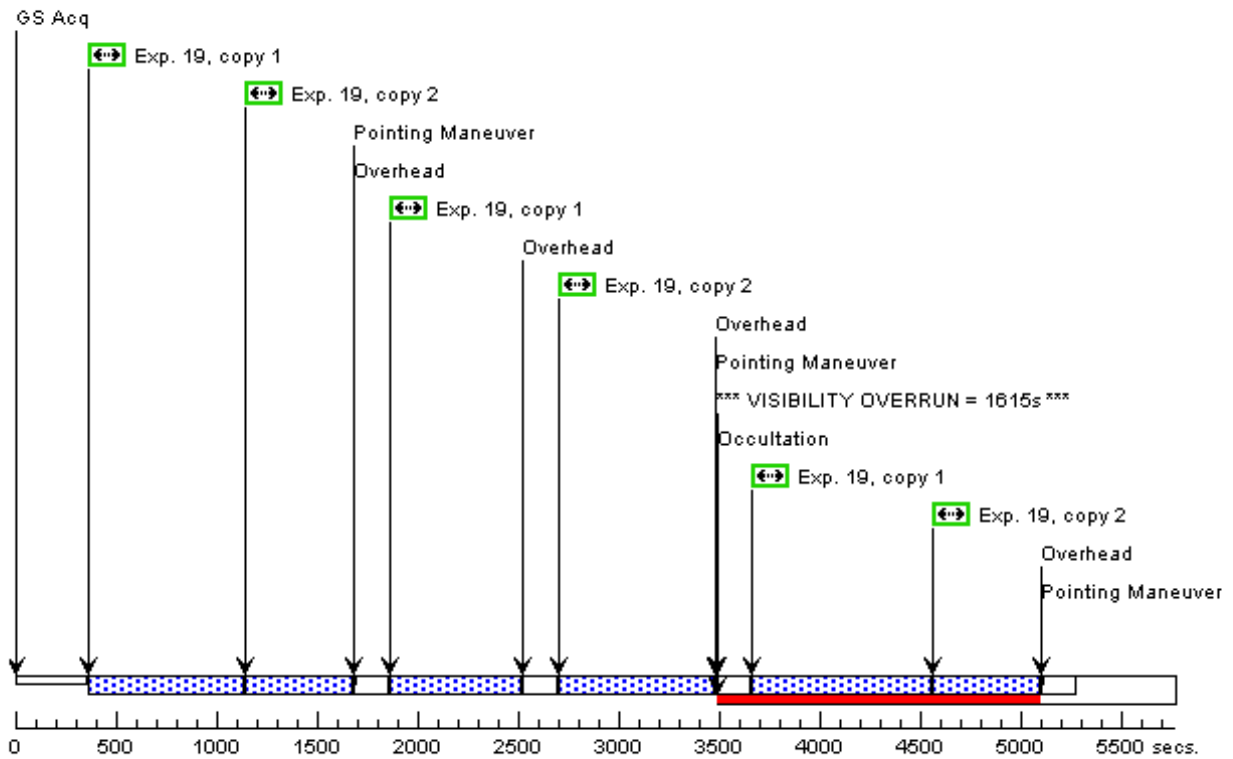
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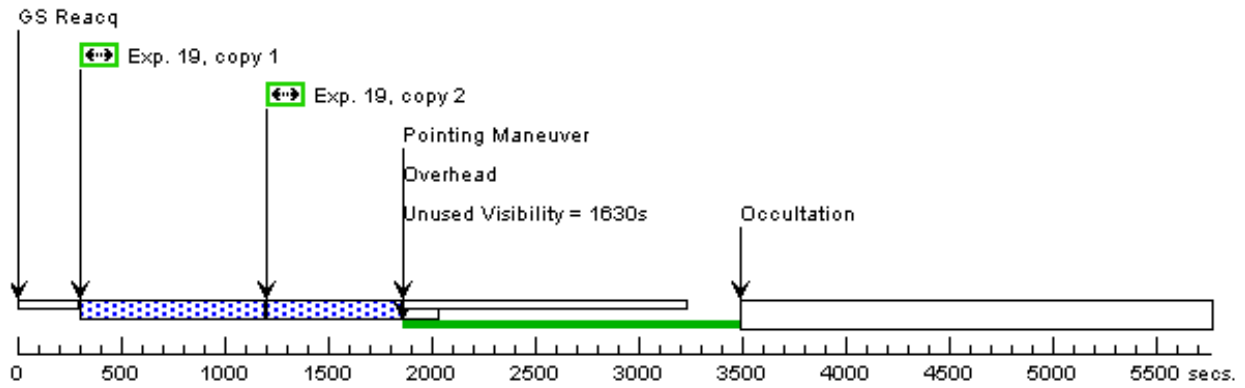
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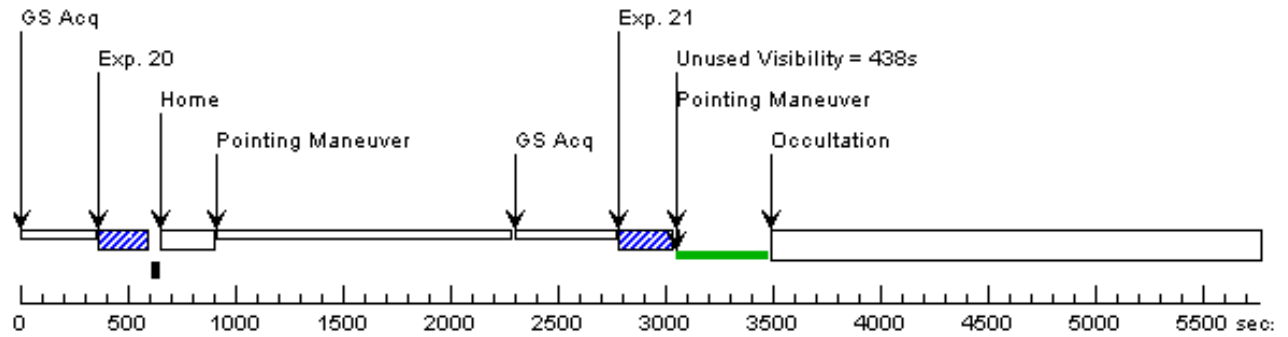


Orbit 10

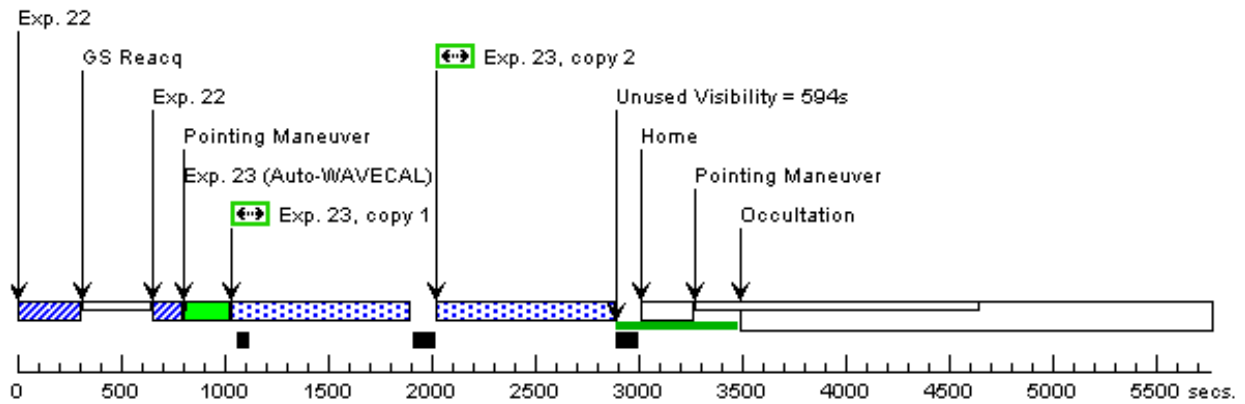
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**Orbit 11**

Server Version: 20040204

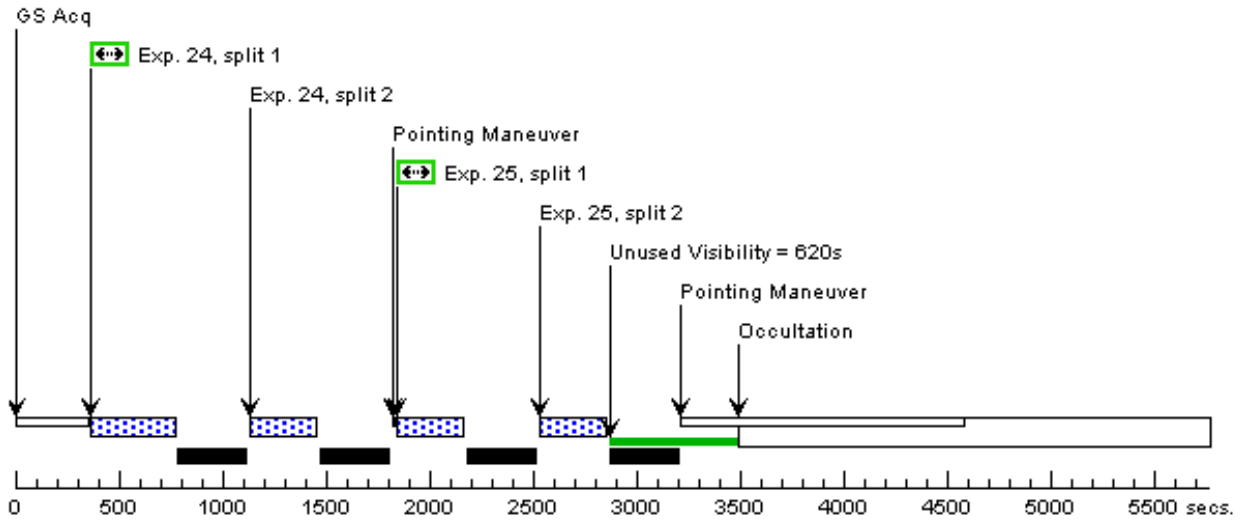
**Orbit 12**

Server Version: 20040204



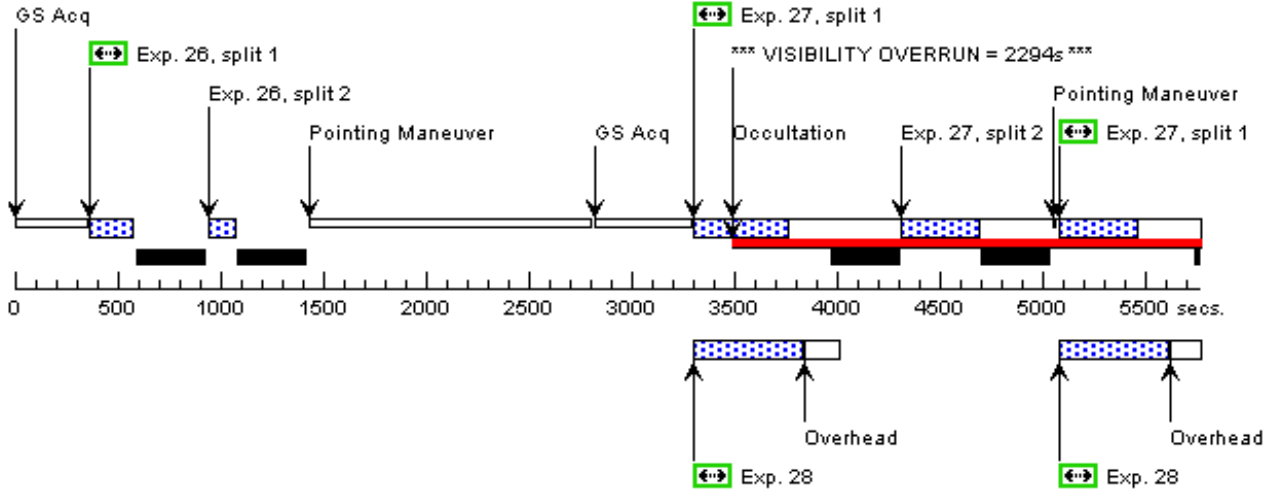
Orbit 13

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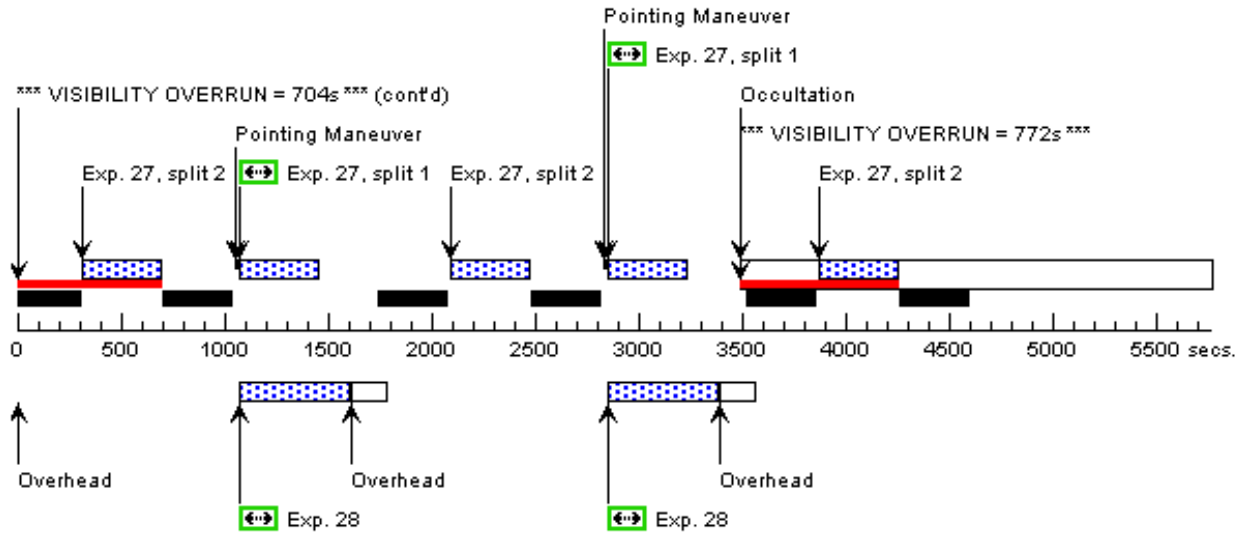
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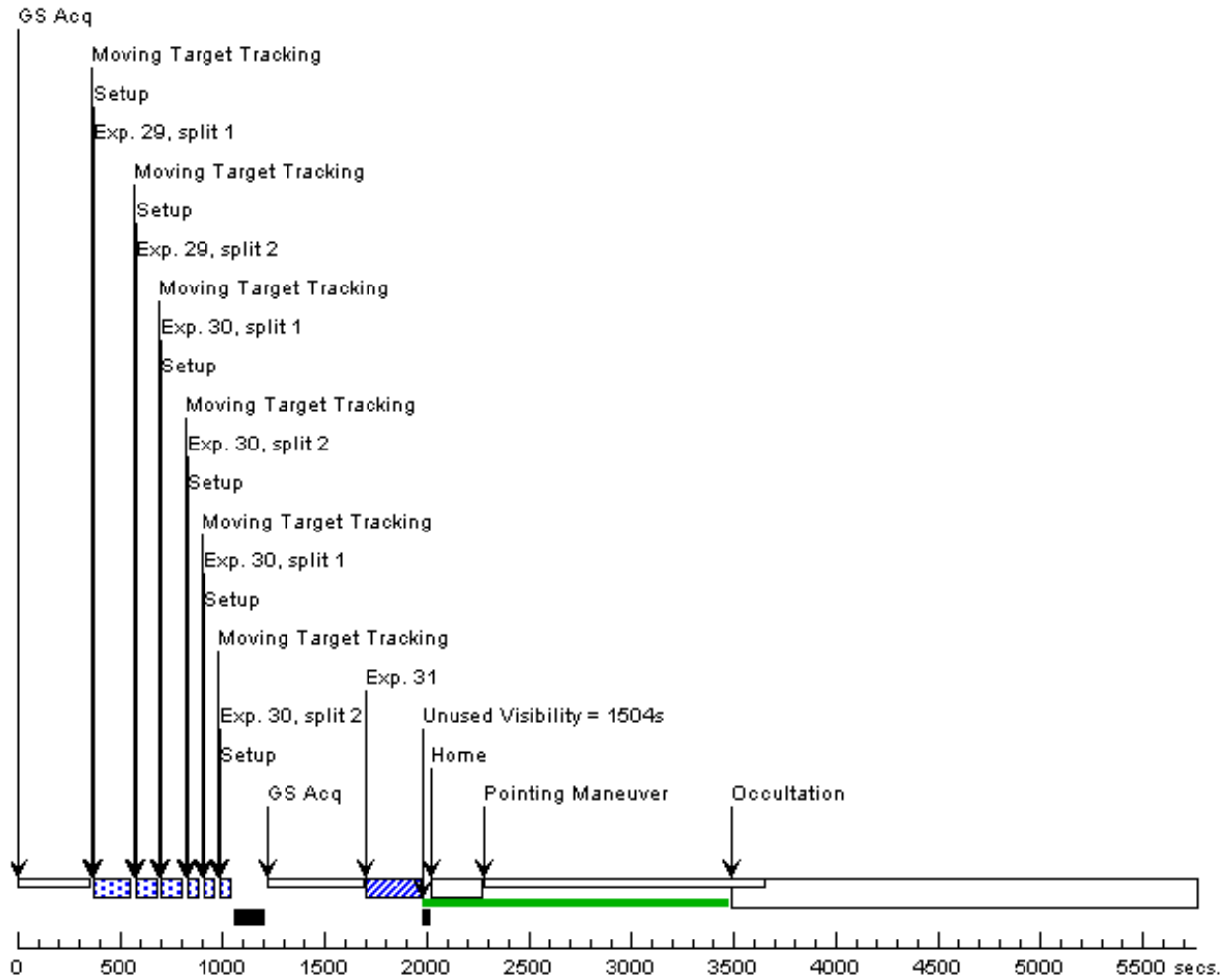
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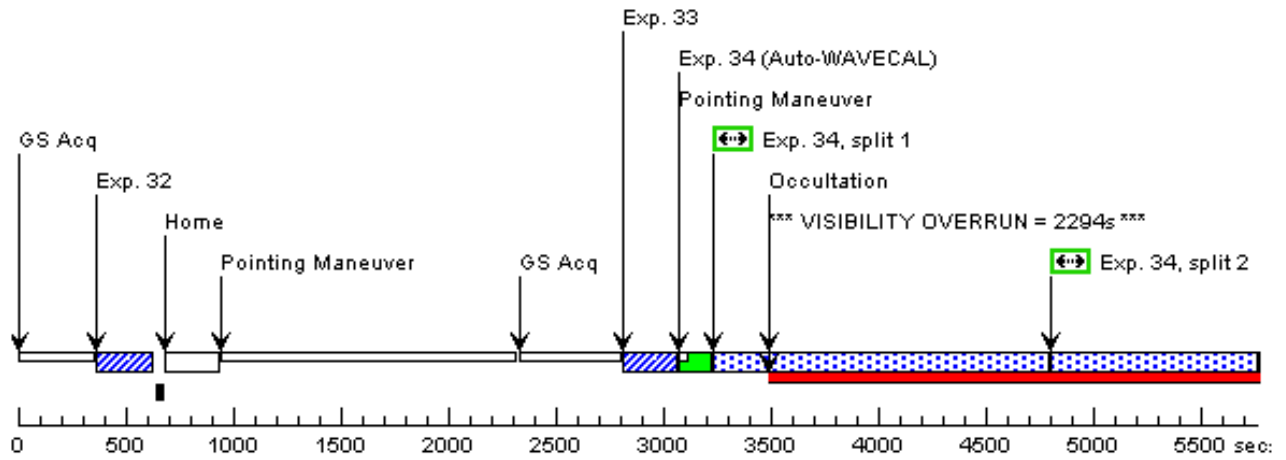
Orbit 16

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Orbit 17

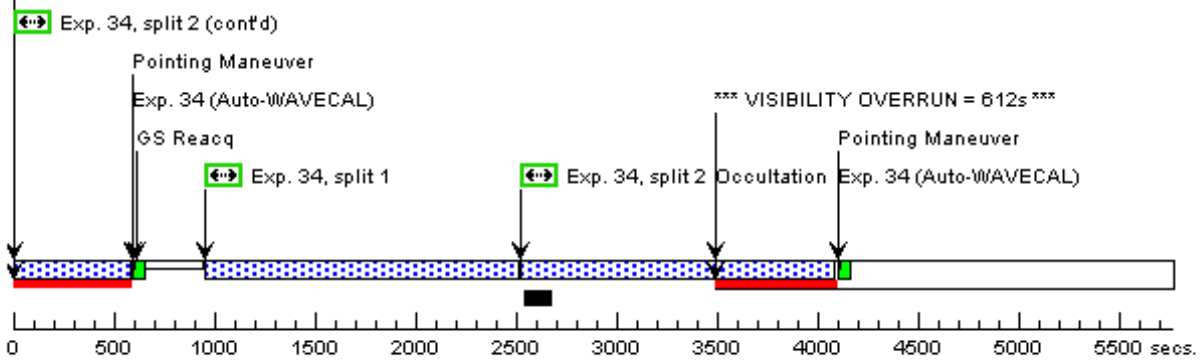
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Orbit 18

Server Version: 20040204

*** VISIBILITY OVERRUN = 592s *** (cont'd)



Orbit 19

Server Version: 20040204

