



14833 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Cycle: 24, Proposal Category: CAL/STIS

(Calibration)

(Availability Mode: RESTRICTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
L1	(1) GRW+70D5824 NONE WAVE	STIS STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	02-May-2017 21:03:08.0	yes
L2	(1) GRW+70D5824 NONE WAVE	STIS STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	02-May-2017 21:03:11.0	yes
L3	(1) GRW+70D5824 NONE WAVE	STIS STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	02-May-2017 21:03:13.0	yes

Proposal 14833 (STScI Edit Number: 3, Created: Tuesday, May 2, 2017 8:03:26 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
M1	(2) AGK+81D266 NONE	STIS STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	02-May-2017 21:03:15.0	yes
E1	(3) BD+28D4211 ANY	COS/FUV STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	02-May-2017 21:03:17.0	yes
E2	(3) BD+28D4211 ANY	COS/FUV STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	02-May-2017 21:03:19.0	yes
E3	(3) BD+28D4211 ANY	COS/FUV STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	02-May-2017 21:03:20.0	yes
E5	(3) BD+28D4211	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	02-May-2017 21:03:22.0	yes
E4	(3) BD+28D4211	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	02-May-2017 21:03:24.0	yes

14 Total Orbits Used

ABSTRACT

Monitor sensitivity of each MAMA grating mode to detect any change due to contamination or other causes. Also monitor the STIS focus in a spectroscopic and an imaging mode.

Obtain exposures in each of the 2 low-resolution MAMA spectroscopic modes every 4 months, in each of the 2 medium-resolution modes once a

year, and in each of the 5 echelle modes every 3 months, using unique calibration standards for each mode, and ratio the results to the first observations to detect any trends. In addition, each L-mode sequence will be preceded by a CCD/F28X50OII image, two spectroscopic ACQ/PEAKs with the CCD/G230LB and crossed linear patterns, and two CCD/G230LB spectra, with the purpose of measuring the focus (PSF across the dispersion as a function of UV wavelength); and each M-mode sequence will be preceded by a CCD/F28X50OII direct image also to monitor the focus.

Obtain parallel airglow spectra with COS (together with E visits) before the fourth COS lifetime position move.

Pending the analysis of the Cycle 23 program, the focus monitor observations may be adjusted if necessary, but without an increase in orbits.

OBSERVING DESCRIPTION

Obtain exposures in each of the 2 low-resolution MAMA spectroscopic modes every 4 months, in each of the 2 medium-resolution modes once a year, and in each of the 5 echelle modes every 3 months, using unique calibration standards for each mode, and ratio the results to the first observations to detect any trends. In addition, each L-mode sequence will be preceded by a CCD/F28X50OII image, two spectroscopic ACQ/PEAKs with the CCD/G230LB and crossed linear patterns, and two CCD/G230LB spectra, with the purpose of measuring the focus (PSF across the dispersion as a function of UV wavelength); and each M-mode sequence will be preceded by a CCD/F28X50OII direct image also to monitor the focus.

Whenever possible (together with E visits), obtain parallel airglow spectra with COS.

----- Additional Comments -----

Interim reports and ISR on sensitivity monitor. Wavelength-dependent trends for implementation as pipeline corrections. ISR on focus monitors. If the focus quality is found to degrade significantly, a separate program to take corrective action (such as an adjustment of the STIS tip/tilt mirror) may be implemented.

COS Observations of Geocoronal Lyman-alpha Emission

In parallel with STIS observations of BD+28D4211, perform coordinated parallel observations of the background sky with COS. G130M 1291 and 1327 should be used instead of 1300 so that OI line does not fall in the segment gap.

Use only one of the two orbits in each visit to avoid alignment problems.

----- Changes for C24 -----

-Only carrying out COS parallels at LP3, before the move to LP4.

-COS configurations updated from C23: E1 and E2 for 1327, E3 for 1105.

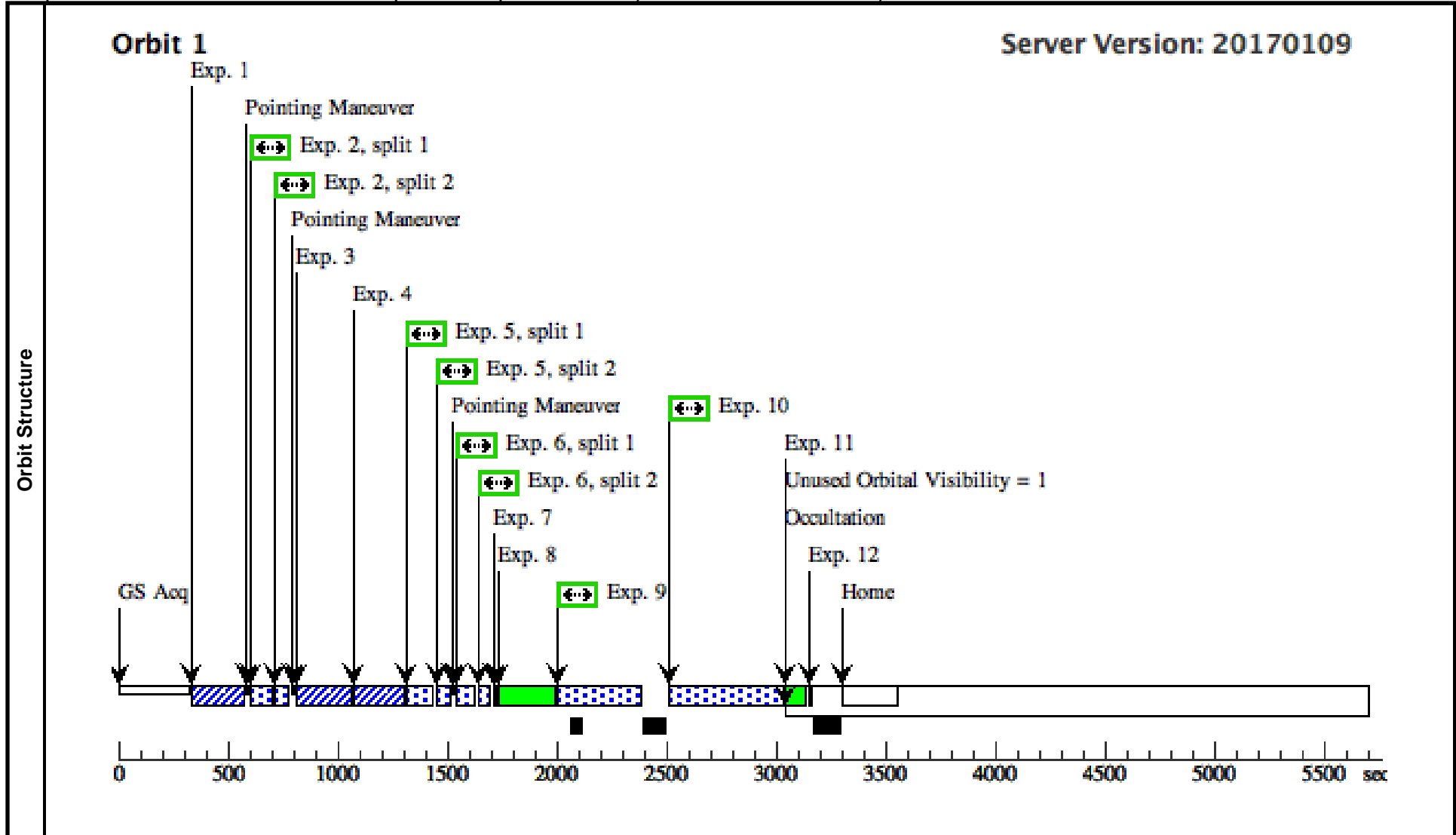
Proposal 14833 - Visit L1 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

Visit	Proposal 14833, Visit L1, completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS, STIS/FUV-MAMA Special Requirements: SCHED 100%; BETWEEN 07-NOV-2016:00:00:00 AND 28-NOV-2016:00:00:00 Comments: <i>L-modes + Focus</i> Please schedule this visit in an SAA-free block if possible.												
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>GRW+70D5824</td> <td> RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000 </td> <td> Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25 </td> <td> V=12.77+/-0.0 B-V = -0.09 F(1280.8) = 1.38 +/- 0.1 E-12 </td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	GRW+70D5824	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77+/-0.0 B-V = -0.09 F(1280.8) = 1.38 +/- 0.1 E-12
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(1)	GRW+70D5824	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77+/-0.0 B-V = -0.09 F(1280.8) = 1.38 +/- 0.1 E-12	Reference Frame: ICRS								

Proposal 14833 - Visit L1 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ (STIS.ta.712 465)	(1) GRW+70D5824	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARI O BASE1B3		3 Secs (3 Secs) [==>]	[1]
<i>Comments: Updated exposure time and ETC reference. Old referenced ETC calculation had been using the wrong star.</i>									
2	OII (STIS.im.63 2527)	(1) GRW+70D5824	STIS/CCD, ACCUM, F28X50OII	MIRROR	GAIN=4; CR-SPLIT=2; SIZEAXIS2=128			110 Secs (110 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
3	Peak (STIS.ta.712 309)	(1) GRW+70D5824	STIS/CCD, ACQ/PEAK, 0.1X0.09	MIRROR	STEP-SIZE=75; NUM-POS=5; SEARCH=LINEAR AXIS2			2 Secs (2 Secs) [==>]	[1]
4	Peak (STIS.ta.712 309)	(1) GRW+70D5824	STIS/CCD, ACQ/PEAK, 0.1X0.09	MIRROR	STEP-SIZE=69; NUM-POS=5; SEARCH=LINEAR AXIS1			2 Secs (2 Secs) [==>]	[1]
5	G230LB 0.1 X0.09 (STIS.sp.63 2531)	(1) GRW+70D5824	STIS/CCD, ACCUM, 0.1X0.09	G230LB 2375 A	CR-SPLIT=2; SIZEAXIS2=64; WAVECAL=NO; GAIN=1			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
6	G230LB 52 x2 (STIS.sp.63 2531)	(1) GRW+70D5824	STIS/CCD, ACCUM, 52X2	G230LB 2375 A	CR-SPLIT=2; SIZEAXIS2=64; WAVECAL=NO; GAIN=1			86 Secs (86 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
7	SETOFFSE T=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO ; GRATING1=ALL			[==>]	[1]
8	G140L WA VE	WAVE	STIS/FUV-MAMA, ACCUM, 52X0.05	G140L 1425 A				[==>]	[1]
9	G140L (STIS.sp.63 6596)	(1) GRW+70D5824	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				331.0 Secs (331 Secs) [==>]	[1]
10	G230L (STIS.sp.63 6595)	(1) GRW+70D5824	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				368.0 Secs (368 Secs) [==>]	[1]
<i>Comments: Expand</i>									
11	G230L WA VE	WAVE	STIS/NUV-MAMA, ACCUM, 31X0.05NDC	G230L 2376 A				[==>]	[1]
12	SETOFFSE T=RESTOR E	NONE	STIS, MSMOFF		SETOFFSET=REST ORE; GRATING1=ALL			[==>]	[1]



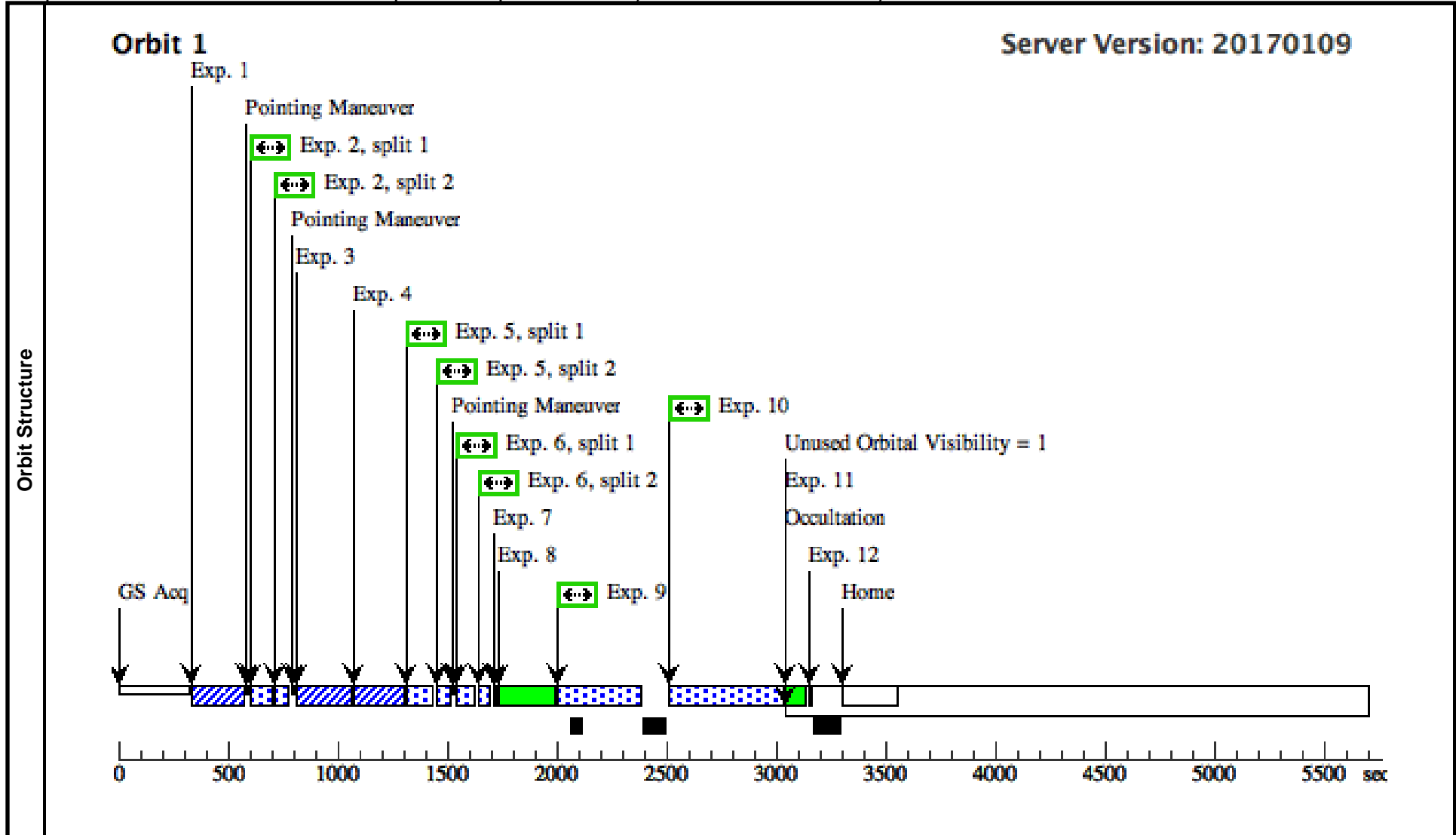
Proposal 14833 - Visit L2 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

Visit	<p>Proposal 14833, Visit L2, completed</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS, STIS/FUV-MAMA</p> <p>Special Requirements: SCHED 100%; BETWEEN 06-MAR-2017:00:00:00 AND 27-MAR-2017:00:00:00</p> <p><i>Comments: L-modes + Focus</i></p> <p><i>Please schedule this visit in an SAA-free block if possible.</i></p>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	GRW+70D5824	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77+/-0.0 B-V =-0.09 F(1280.8) = 1.38 +/- 0.1 E-12	Reference Frame: ICRS

Proposal 14833 - Visit L2 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ (STIS.ta.712 465)	(1) GRW+70D5824	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARI O BASE1B3		3 Secs (3 Secs) [==>]	[1]
<i>Comments: Updated exposure time and ETC reference. Old referenced ETC calculation had been using the wrong star.</i>									
2	OII (STIS.im.63 2527)	(1) GRW+70D5824	STIS/CCD, ACCUM, F28X50OII	MIRROR	GAIN=4; CR-SPLIT=2; SIZEAXIS2=128			110 Secs (110 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
3	Peak (STIS.ta.712 309)	(1) GRW+70D5824	STIS/CCD, ACQ/PEAK, 0.1X0.09	MIRROR	STEP-SIZE=75; NUM-POS=5; SEARCH=LINEAR AXIS2			2 Secs (2 Secs) [==>]	[1]
4	Peak (STIS.ta.712 309)	(1) GRW+70D5824	STIS/CCD, ACQ/PEAK, 0.1X0.09	MIRROR	STEP-SIZE=69; NUM-POS=5; SEARCH=LINEAR AXIS1			2 Secs (2 Secs) [==>]	[1]
5	G230LB 0.1 X0.09 (STIS.sp.63 2531)	(1) GRW+70D5824	STIS/CCD, ACCUM, 0.1X0.09	G230LB 2375 A	CR-SPLIT=2; SIZEAXIS2=64; WAVECAL=NO; GAIN=1			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
6	G230LB 52 x2 (STIS.sp.63 2531)	(1) GRW+70D5824	STIS/CCD, ACCUM, 52X2	G230LB 2375 A	CR-SPLIT=2; SIZEAXIS2=64; WAVECAL=NO; GAIN=1			86 Secs (86 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
7	SETOFFSE T=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO ; GRATING1=ALL			[==>]	[1]
8	G140L WA VE	WAVE	STIS/FUV-MAMA, ACCUM, 52X0.05	G140L 1425 A				[==>]	[1]
9	G140L (STIS.sp.63 6596)	(1) GRW+70D5824	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				331.0 Secs (331 Secs) [==>]	[1]
10	G230L (STIS.sp.63 6595)	(1) GRW+70D5824	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				368.0 Secs (368 Secs) [==>]	[1]
<i>Comments: Expand</i>									
11	G230L WA VE	WAVE	STIS/NUV-MAMA, ACCUM, 31X0.05NDC	G230L 2376 A				[==>]	[1]
12	SETOFFSE T=RESTOR E	NONE	STIS, MSMOFF		SETOFFSET=REST ORE; GRATING1=ALL			[==>]	[1]



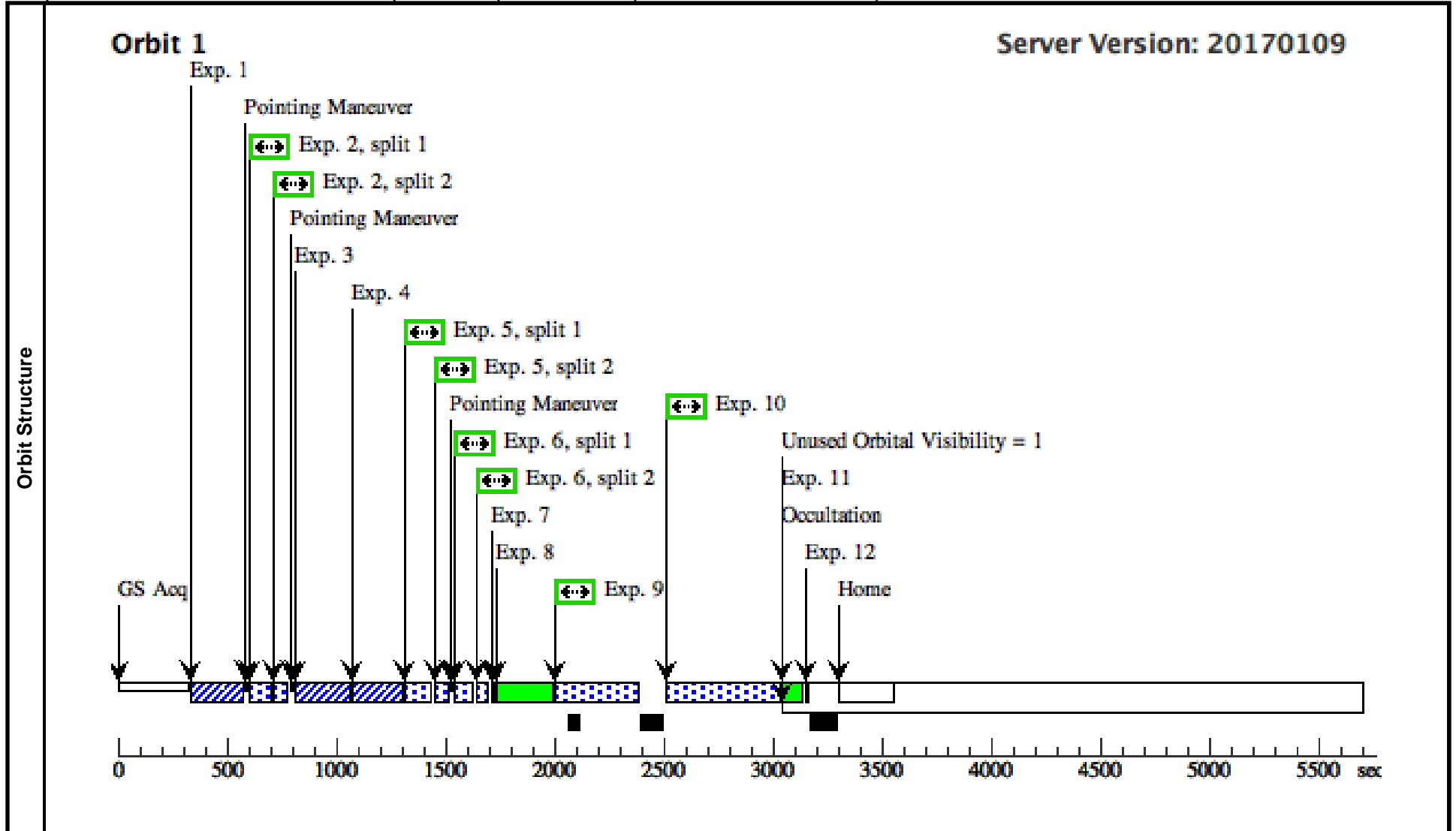
Proposal 14833 - Visit L3 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

Visit	Proposal 14833, Visit L3, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS, STIS/FUV-MAMA Special Requirements: SCHED 100%; BETWEEN 03-JUL-2017:00:00:00 AND 24-JUL-2017:00:00:00 Comments: <i>L-modes + Focus</i> Please schedule this visit in an SAA-free block if possible.					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(1)		GRW+70D5824	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77+/-0.0 B-V = -0.09 F(1280.8) = 1.38 +/- 0.1 E-12	Reference Frame: ICRS

Proposal 14833 - Visit L3 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

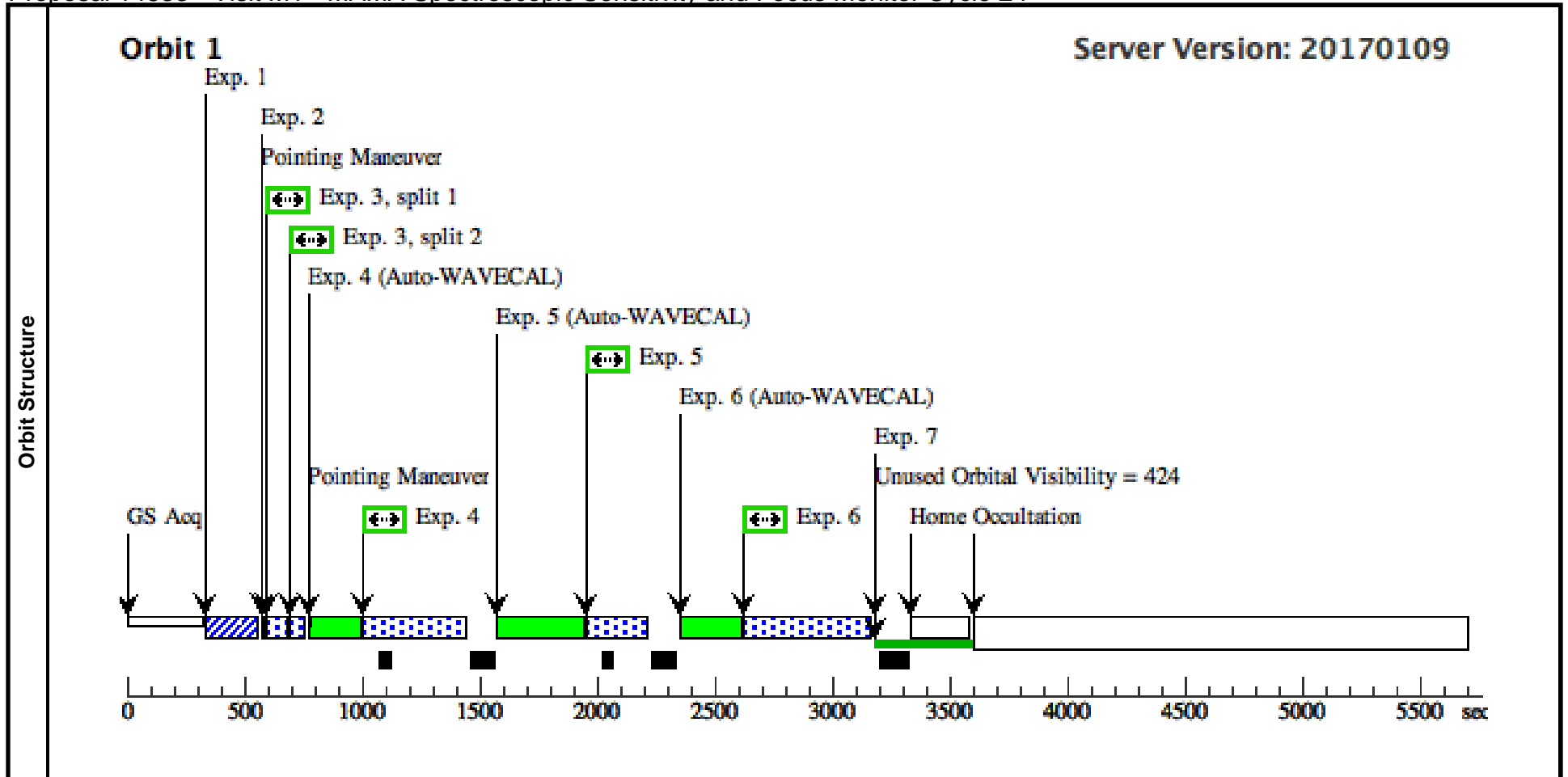
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ (STIS.ta.712 465)	(1) GRW+70D5824	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARI O BASE1B3		3 Secs (3 Secs) [==>]	[1]
<i>Comments: Updated exposure time and ETC reference. Old referenced ETC calculation had been using the wrong star.</i>									
2	OII (STIS.im.63 2527)	(1) GRW+70D5824	STIS/CCD, ACCUM, F28X50OII	MIRROR	GAIN=4; CR-SPLIT=2; SIZEAXIS2=128			110 Secs (110 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
3	Peak (STIS.ta.712 309)	(1) GRW+70D5824	STIS/CCD, ACQ/PEAK, 0.1X0.09	MIRROR	STEP-SIZE=75; NUM-POS=5; SEARCH=LINEAR AXIS2			2 Secs (2 Secs) [==>]	[1]
4	Peak (STIS.ta.712 309)	(1) GRW+70D5824	STIS/CCD, ACQ/PEAK, 0.1X0.09	MIRROR	STEP-SIZE=69; NUM-POS=5; SEARCH=LINEAR AXIS1			2 Secs (2 Secs) [==>]	[1]
5	G230LB 0.1 X0.09 (STIS.sp.63 2531)	(1) GRW+70D5824	STIS/CCD, ACCUM, 0.1X0.09	G230LB 2375 A	CR-SPLIT=2; SIZEAXIS2=64; WAVECAL=NO; GAIN=1			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
6	G230LB 52 x2 (STIS.sp.63 2531)	(1) GRW+70D5824	STIS/CCD, ACCUM, 52X2	G230LB 2375 A	CR-SPLIT=2; SIZEAXIS2=64; WAVECAL=NO; GAIN=1			86 Secs (86 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
7	SETOFFSE T=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO ; GRATING1=ALL			[==>]	[1]
8	G140L WA VE	WAVE	STIS/FUV-MAMA, ACCUM, 52X0.05	G140L 1425 A				[==>]	[1]
9	G140L (STIS.sp.63 6596)	(1) GRW+70D5824	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				331.0 Secs (331 Secs) [==>]	[1]
10	G230L (STIS.sp.63 6595)	(1) GRW+70D5824	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				368.0 Secs (368 Secs) [==>]	[1]
<i>Comments: Expand</i>									
11	G230L WA VE	WAVE	STIS/NUV-MAMA, ACCUM, 31X0.05NDC	G230L 2376 A				[==>]	[1]
12	SETOFFSE T=RESTOR E	NONE	STIS, MSMOFF		SETOFFSET=REST ORE; GRATING1=ALL			[==>]	[1]



Proposal 14833 - Visit M1 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

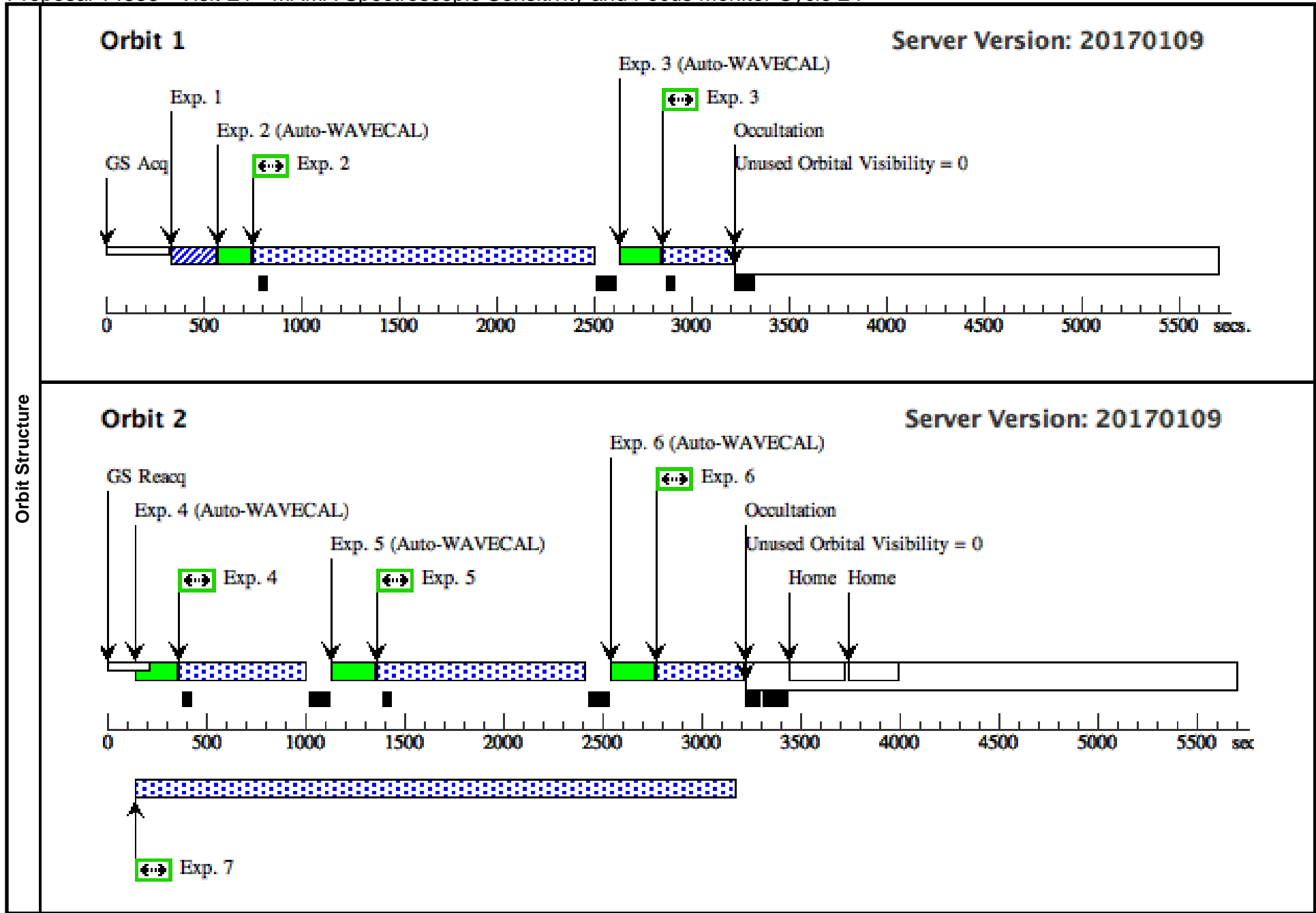
Visit	Proposal 14833, Visit M1, completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS, STIS/FUV-MAMA Special Requirements: BEFORE 01-FEB-2017:00:00:00 Comments: M-modes + Focus Please schedule this visit in an SAA-free block if possible.									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	AGK+81D266	RA: 09 21 19.2000 (140.3300000d) Dec: +81 43 28.08 (81.72447d) Equinox: J2000	Proper Motion RA: -0.0047 sec of time/yr Proper Motion Dec: -0.0501 arcsec/yr Epoch of Position: 1991.25	V=11.92+/-0.5 B-V = -0.33	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (STIS.ta.636 593)	(2) AGK+81D266	STIS/CCD, ACQ, F28X50LP	MIRROR				.1 Secs (0.1 Secs) [==>]	[1]
	2	MSOFF zero	NONE	STIS, MSMOFF		SETOFFSET=ZERO ; GRATING1=ALL			[==>]	[1]
	3	OII image (STIS.im.20 4049)	(2) AGK+81D266	STIS/CCD, ACCUM, F28X50OII	MIRROR	GAIN=4; CR-SPLIT=2; SIZEAXIS2=256			90.0 Secs (90 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	4	G140M (STIS.sp.63 6602)	(2) AGK+81D266	STIS/FUV-MAMA, ACCUM, 52X2	G140M 1567 A				380.0 Secs (380 Secs) [==>]	[1]
	5	G140M (STIS.sp.63 661)	(2) AGK+81D266	STIS/FUV-MAMA, ACCUM, 52X2	G140M 1173 A				204.0 Secs (204 Secs) [==>]	[1]
	<i>Comments: Expand</i>									
	6	G230M (STIS.sp.63 6603)	(2) AGK+81D266	STIS/NUV-MAMA, ACCUM, 52X2	G230M 2818 A				480.0 Secs (480 Secs) [==>]	[1]
<i>Comments: Expand</i>										
7	MSOFF RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			[==>]	[1]	



Proposal 14833 - Visit E1 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

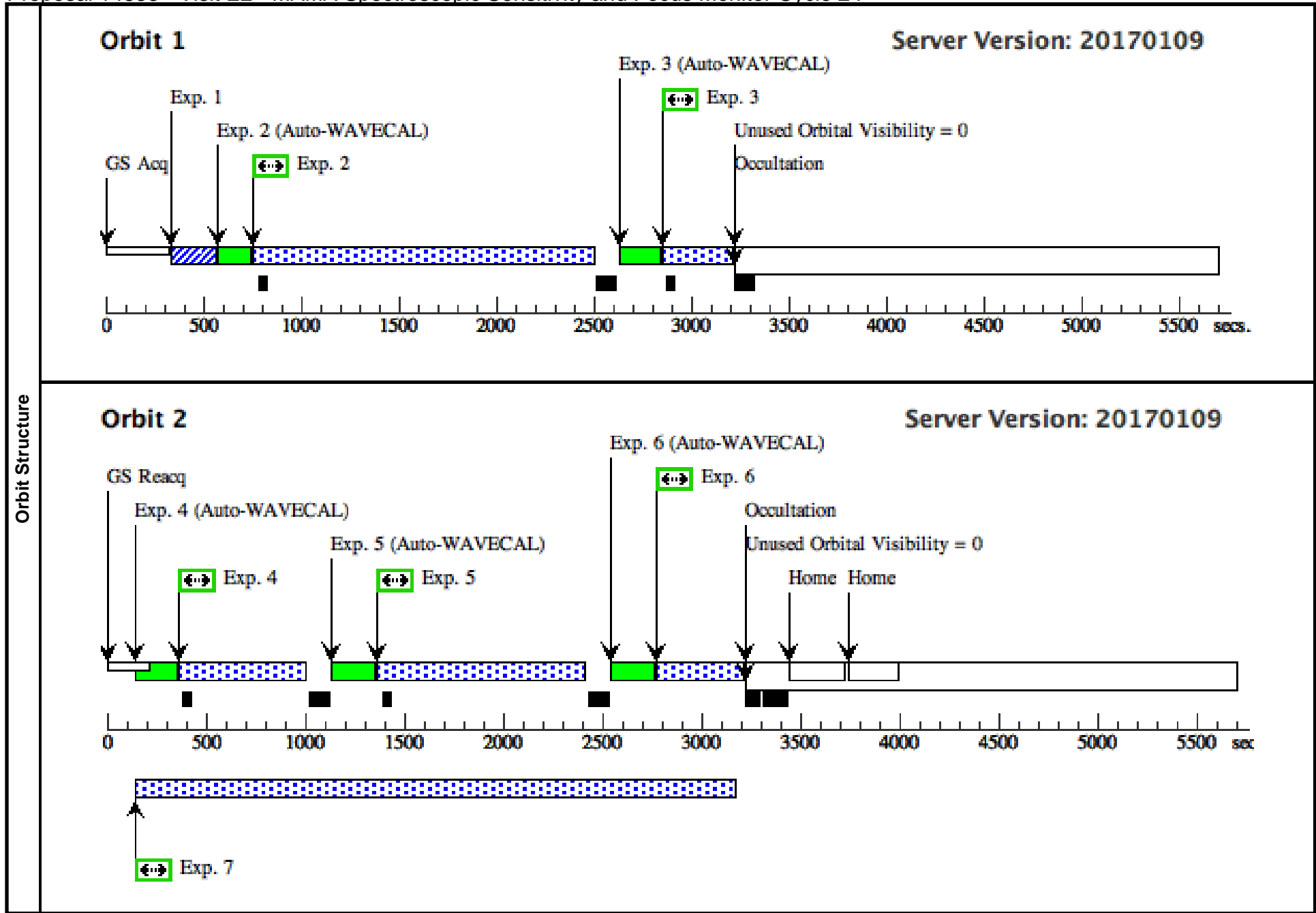
Visit	Proposal 14833, Visit E1, completed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, COS/FUV, STIS/FUV-MAMA Special Requirements: ORIENT 91D TO 96 D; BETWEEN 14-NOV-2016:00:00:00 AND 28-NOV-2016:00:00:00 Comments: E-modes + Focus Please schedule this visit in an SAA-free block if possible.									
	(Visit E1) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	BD+28D4211	RA: 21 51 11.0200 (327.7959167d) Dec: +28 51 50.40 (28.86400d) Equinox: J2000	Proper Motion RA: -0.0026 sec of time/yr Proper Motion Dec: -0.056 arcsec/yr Epoch of Position: 2000.0	V=10.51+/-0.04 B-V = -0.34 F(2000)=9.42 +/- 0.001 e-12	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (STIS.ta.636 593)	(3) BD+28D4211	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	E230H (STIS.sp.63 6584)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230H 2263 A				1732 Secs (1732 Secs) [==>]	[1]
	3	E140M (STIS.sp.63 6585)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				346 Secs (346 Secs) [==>]	[1]
	4	E230M (STIS.sp.63 6592)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A			Prime + Parallel Group 4-7 in Visit E1	628 Secs (628 Secs) [==>]	[2]
	5	E140H (STIS.sp.63 6588)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H 1416 A			Prime + Parallel Group 4-7 in Visit E1	1034 Secs (1034 Secs) [==>]	[2]
	6	E230M (STIS.sp.63 6589)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A			Prime + Parallel Group 4-7 in Visit E1	422.0 Secs (422 Secs) [==>]	[2]
	7	(COS.sp.745 935)	ANY	COS/FUV, TIME-TAG, PSA	G130M 1327 A		BUFFER-TIME=46 50; FP-POS=3	Prime + Parallel Group 4-7 in Visit E1	2900.0 Secs (2900 Secs) [==>]	[2]



Proposal 14833 - Visit E2 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

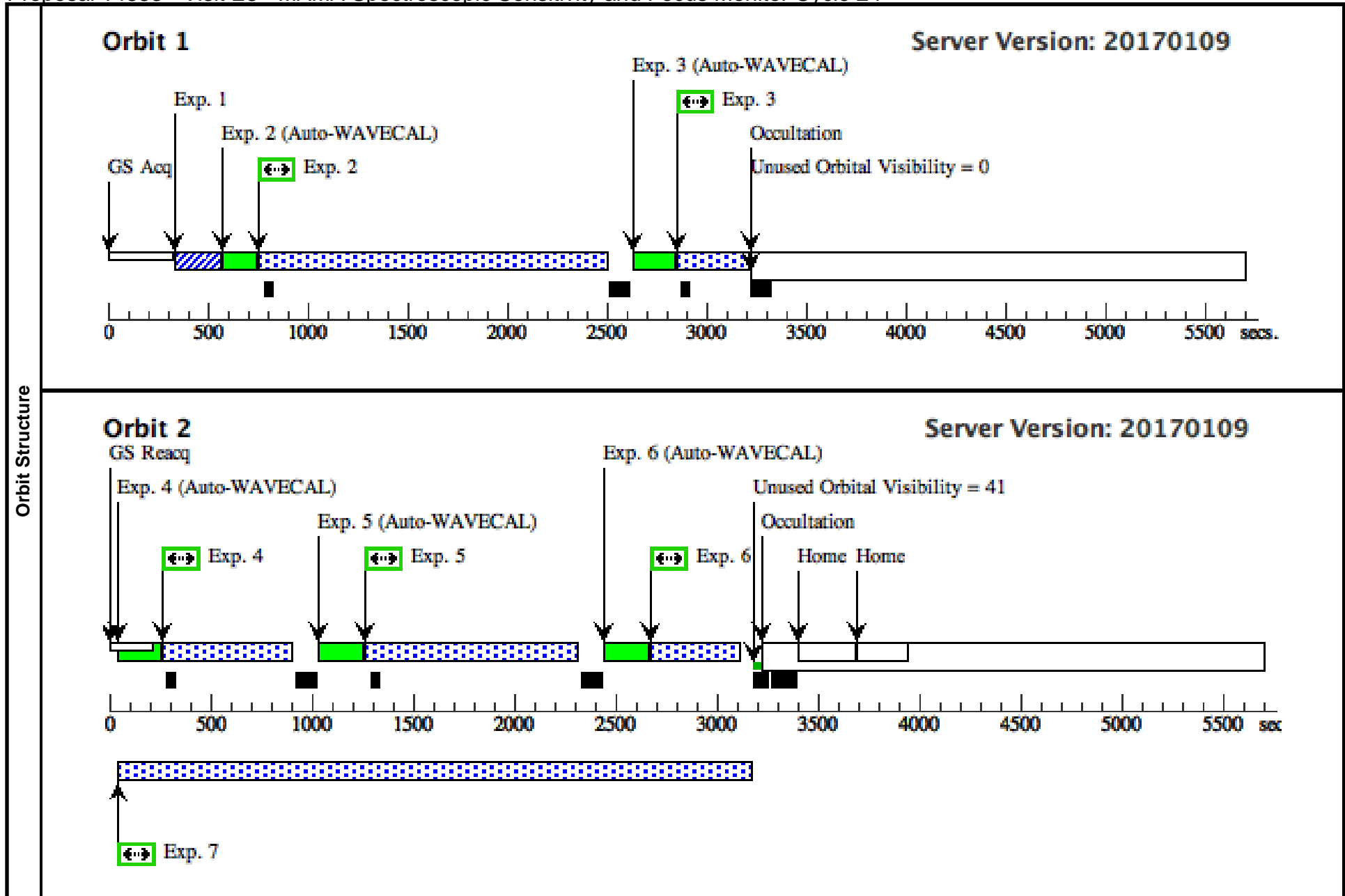
Visit	Proposal 14833, Visit E2, completed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, COS/FUV, STIS/FUV-MAMA Special Requirements: ORIENT 25D TO 28 D; ORIENT 30D TO 34 D; ORIENT 38D TO 40.5 D; BETWEEN 09-JAN-2017:00:00:00 AND 13-FEB-2017:00:00:00 Comments: E-modes + Focus Please schedule this visit in an SAA-free block if possible.									
	(Visit E2) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	BD+28D4211	RA: 21 51 11.0200 (327.7959167d) Dec: +28 51 50.40 (28.86400d) Equinox: J2000	Proper Motion RA: -0.0026 sec of time/yr Proper Motion Dec: -0.056 arcsec/yr Epoch of Position: 2000.0	V=10.51+/-0.04 B-V = -0.34 F(2000)=9.42 +/- 0.001 e-12	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (STIS.ta.636 593)	(3) BD+28D4211	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	E230H (STIS.sp.63 6584)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230H 2263 A				1732 Secs (1732 Secs) [==>]	[1]
	3	E140M (STIS.sp.63 6585)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				346 Secs (346 Secs) [==>]	[1]
	4	E230M (STIS.sp.63 6592)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A			Prime + Parallel Group 4-7 in Visit E2	628 Secs (628 Secs) [==>]	[2]
	5	E140H (STIS.sp.63 6588)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H 1416 A			Prime + Parallel Group 4-7 in Visit E2	1034 Secs (1034 Secs) [==>]	[2]
	6	E230M (STIS.sp.63 6589)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A			Prime + Parallel Group 4-7 in Visit E2	422 Secs (422 Secs) [==>]	[2]
	7	(COS.sp.745 935)	ANY	COS/FUV, TIME-TAG, PSA	G130M 1327 A		BUFFER-TIME=46 50; FP-POS=4	Prime + Parallel Group 4-7 in Visit E2	2900.0 Secs (2900 Secs) [==>]	[2]



Proposal 14833 - Visit E3 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

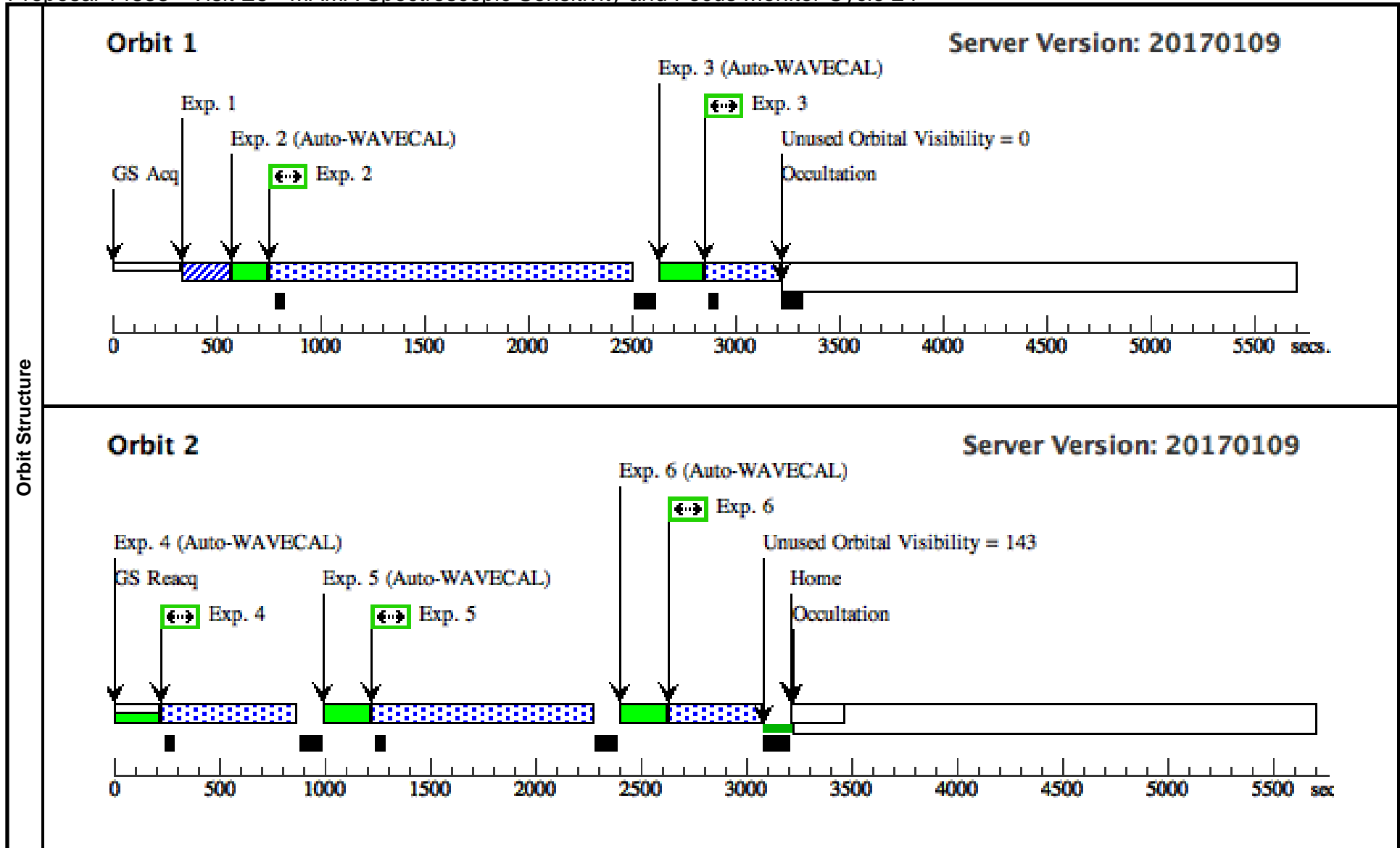
Visit	Proposal 14833, Visit E3, failed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, COS/FUV, STIS/FUV-MAMA Special Requirements: ORIENT 271.5D TO 275 D; ORIENT 250D TO 251.5 D; BETWEEN 10-APR-2017:00:00:00 AND 22-MAY-2017:00:00:00 Comments: E-modes + Focus Please schedule this visit in an SAA-free block if possible.									
	(Visit E3) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	BD+28D4211	RA: 21 51 11.0200 (327.7959167d) Dec: +28 51 50.40 (28.86400d) Equinox: J2000	Proper Motion RA: -0.0026 sec of time/yr Proper Motion Dec: -0.056 arcsec/yr Epoch of Position: 2000.0	V=10.51+/-0.04 B-V = -0.34 F(2000)=9.42 +/- 0.001 e-12	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (STIS.ta.636 593)	(3) BD+28D4211	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	E230H (STIS.sp.63 6584)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230H 2263 A				1732 Secs (1732 Secs) [==>]	[1]
	3	E140M (STIS.sp.63 6585)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				346 Secs (346 Secs) [==>]	[1]
	4	E230M (STIS.sp.63 6592)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A			Prime + Parallel Group 4-7 in Visit E3	628 Secs (628 Secs) [==>]	[2]
	5	E140H (STIS.sp.63 6588)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H 1416 A			Prime + Parallel Group 4-7 in Visit E3	1034 Secs (1034 Secs) [==>]	[2]
	6	E230M (STIS.sp.63 6589)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A			Prime + Parallel Group 4-7 in Visit E3	422.0 Secs (422 Secs) [==>]	[2]
	7	(COS.sp.636 580)	ANY	COS/FUV, TIME-TAG, PSA	G140L 1105 A		BUFFER-TIME=46 50; FP-POS=4	Prime + Parallel Group 4-7 in Visit E3	2900.0 Secs (2900 Secs) [==>]	[2]
<i>Comments: Expand</i>										



Proposal 14833 - Visit E5 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

Visit	Proposal 14833, Visit E5 Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: BETWEEN 10-APR-2017:00:00:00 AND 22-MAY-2017:00:00:00 Comments: E-modes + Focus Please schedule this visit in an SAA-free block if possible. Duplicate of failed Visit E3										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(3)	BD+28D4211	RA: 21 51 11.0200 (327.7959167d) Dec: +28 51 50.40 (28.86400d) Equinox: J2000	Proper Motion RA: -0.0026 sec of time/yr Proper Motion Dec: -0.056 arcsec/yr Epoch of Position: 2000.0		V=10.51+/-0.04 B-V = -0.34 F(2000)=9.42 +/- 0. 001 e-12	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (STIS.ta.636 593)	(3) BD+28D4211	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]		[1]
	2	E230H (STIS.sp.63 6584)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230H 2263 A				1732 Secs (1732 Secs) [==>]		[1]
	3	E140M (STIS.sp.63 6585)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				346 Secs (346 Secs) [==>]		[1]
	4	E230M (STIS.sp.63 6592)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A				628 Secs (628 Secs) [==>]		[2]
	5	E140H (STIS.sp.63 6588)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H 1416 A				1034 Secs (1034 Secs) [==>]		[2]
	6	E230M (STIS.sp.63 6589)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				422.0 Secs (422 Secs) [==>]		[2]
	<i>Comments: Expand</i>										



Proposal 14833 - Visit E4 - MAMA Spectroscopic Sensitivity and Focus Monitor Cycle 24

Wed May 03 01:03:26 GMT 2017

Visit	Proposal 14833, Visit E4, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: BETWEEN 21-AUG-2017:00:00:00 AND 25-SEP-2017:00:00:00 Comments: E-modes + Focus Please schedule this visit in an SAA-free block if possible.																																																																						
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>BD+28D4211</td> <td>RA: 21 51 11.0200 (327.7959167d) Dec: +28 51 50.40 (28.86400d) Equinox: J2000</td> <td>Proper Motion RA: -0.0026 sec of time/yr Proper Motion Dec: -0.056 arcsec/yr Epoch of Position: 2000.0</td> <td>V=10.51+/-0.04 B-V = -0.34 F(2000)=9.42 +/- 0.001 e-12</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	BD+28D4211	RA: 21 51 11.0200 (327.7959167d) Dec: +28 51 50.40 (28.86400d) Equinox: J2000	Proper Motion RA: -0.0026 sec of time/yr Proper Motion Dec: -0.056 arcsec/yr Epoch of Position: 2000.0	V=10.51+/-0.04 B-V = -0.34 F(2000)=9.42 +/- 0.001 e-12	Reference Frame: ICRS																																																									
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Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ (STIS.ta.636 593)</td> <td>(3) BD+28D4211</td> <td>STIS/CCD, ACQ, F28X50LP</td> <td>MIRROR</td> <td></td> <td></td> <td></td> <td>0.1 Secs (0.1 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>E230H (STIS.sp.63 6584)</td> <td>(3) BD+28D4211</td> <td>STIS/NUV-MAMA, ACCUM, 0.2X0.2</td> <td>E230H 2263 A</td> <td></td> <td></td> <td></td> <td>1732 Secs (1732 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>E140M (STIS.sp.63 6585)</td> <td>(3) BD+28D4211</td> <td>STIS/FUV-MAMA, ACCUM, 0.2X0.2</td> <td>E140M 1425 A</td> <td></td> <td></td> <td></td> <td>346 Secs (346 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>E230M (STIS.sp.63 6592)</td> <td>(3) BD+28D4211</td> <td>STIS/NUV-MAMA, ACCUM, 0.2X0.2</td> <td>E230M 1978 A</td> <td></td> <td></td> <td></td> <td>628 Secs (628 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>5</td> <td>E140H (STIS.sp.63 6588)</td> <td>(3) BD+28D4211</td> <td>STIS/FUV-MAMA, ACCUM, 0.2X0.2</td> <td>E140H 1416 A</td> <td></td> <td></td> <td></td> <td>1034 Secs (1034 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>6</td> <td>E230M (STIS.sp.63 6589)</td> <td>(3) BD+28D4211</td> <td>STIS/NUV-MAMA, ACCUM, 0.2X0.2</td> <td>E230M 2707 A</td> <td></td> <td></td> <td></td> <td>422.0 Secs (422 Secs) [==>]</td> <td>[2]</td> </tr> </tbody> </table>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ (STIS.ta.636 593)	(3) BD+28D4211	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]	2	E230H (STIS.sp.63 6584)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230H 2263 A				1732 Secs (1732 Secs) [==>]	[1]	3	E140M (STIS.sp.63 6585)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				346 Secs (346 Secs) [==>]	[1]	4	E230M (STIS.sp.63 6592)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A				628 Secs (628 Secs) [==>]	[2]	5	E140H (STIS.sp.63 6588)	(3) BD+28D4211	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H 1416 A				1034 Secs (1034 Secs) [==>]	[2]	6	E230M (STIS.sp.63 6589)	(3) BD+28D4211	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				422.0 Secs (422 Secs) [==>]	[2]
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