17888 - Supplemental NUV Sensitivity Monitoring Through Solar Maximum

Cycle: 32, Proposal Category: CAL/STIS

(Calibration)

(Availability Mode: RESTRICTED)

INVESTIGATORS

Name	*Institution*
Daniel Stapleton (PI) (Contact)	**Space Telescope Science Institute**

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) GRW+70D5824 NONE WAVE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:16.0	yes
R1	(1) GRW+70D5824 NONE WAVE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:17.0	yes
02	(2) AGK+81D266 NONE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:18.0	yes
03	(1) GRW+70D5824 NONE WAVE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:19.0	yes
04	(2) AGK+81D266 NONE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:20.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(1) GRW+70D5824 NONE WAVE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:21.0	yes
06	(2) AGK+81D266 NONE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:22.0	yes
R6	(2) AGK+81D266 NONE	STIS STIS/CCD STIS/NUV-MAMA	1	13-Jan-2026 16:00:23.0	yes

8 Total Orbits Used

ABSTRACT

Purpose:

Increase the cadence of TDS monitoring programs using STIS NUV-MAMA and CCD spectroscopic modes to detect sensitivity changes between 1800 and 2100 Angstroms that may be a result of a period of increasing solar activity.

Description:

Obtain exposures in one low-resolution (G230L) and one medium-resolution (G230M/2014) MAMA spectroscopic mode every 4 months, using the calibration standard GRW+70D5824 for each mode. Also obtain exposures in one low-resolution (G230LB) and one medium-resolution (G230MB/1995) CCD spectroscopic mode, as well as one medium-resolution MAMA mode (G230M/2014) every 4 months, using the calibration standard AGK+81D266 for each mode. Compare the results to the first observations to observe any recent trends. These will be combined with the regular TDS monitors to better characterize the unusually rapid sensitivity changes.

OBSERVING DESCRIPTION

Obtain exposures in one low-resolution (G230L) and one medium-resolution (G230M/2014) MAMA spectroscopic mode every 4 months, using the calibration standard GRW+70D5824 for each mode. Also obtain exposures in one low-resolution (G230LB) and one medium-resolution (G230MB/1995) CCD spectroscopic mode, as well as one medium-resolution MAMA mode (G230M/2014) every 4 months, using the calibration standard AGK+81D266 for each mode. Compare the results to the first observations to observe any recent trends. These will be combined with the

regular TDS monitors to better characterize the unusually rapid sensitivity changes.

Visit

Proposal 17888, MAMA1 (01), failed Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: SCHED 70%; BETWEEN 17-MAR-2025:00:00:00 AND 25-MAR-2025:23:59:59

Comments: NUV-MAMA L + M modes.
Please schedule this visit in an SAA-free block if possible.

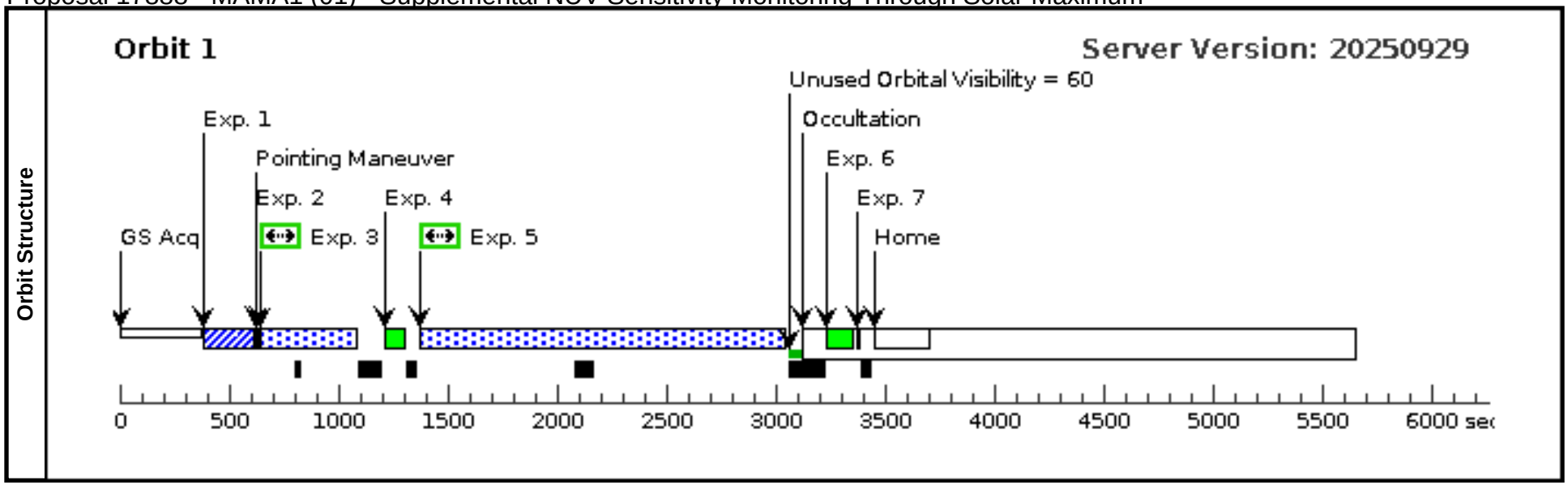
Fixed Targets

#	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

Comments:
Category=STAR
Description=[DA]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of GRW (STIS.ta.1892201)	(1) GRW+70D5824	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	***[1]***
2	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	***[1]***
3	G230L (STIS.sp.1892313)	(1) GRW+70D5824	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A	WAVECAL=NO			350 Secs (290 Secs) *[==>290.0 Secs]*	***[1]***
4	G230L WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 31X0.05NDC	G230L 2376 A				*[==>]*	***[1]***
5	G230M (STIS.sp.1892562)	(1) GRW+70D5824	STIS/NUV-MAMA, TIME-TAG, 52X2	G230M 2014 A	BUFFER-TIME=544			1493 Secs (1493 Secs) *[==>]*	***[1]***
6	G230M WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 52X0.1	G230M 2014 A				*[==>]*	***[1]***
7	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20250929
Unused Orbital Visibility = 60
Exp. 1
Occultation
Pointing Maneuver
Exp. 6
Exp. 2
Exp. 4
Exp. 7
GS Acq
Exp. 3
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17888, MAMA1 (R1), completed Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: SCHED 70%; BETWEEN 07-MAY-2025:00:00:00 AND 17-MAY-2025:23:59:59

Comments: NUV-MAMA L + M modes.
Please schedule this visit in an SAA-free block if possible.

Fixed Targets

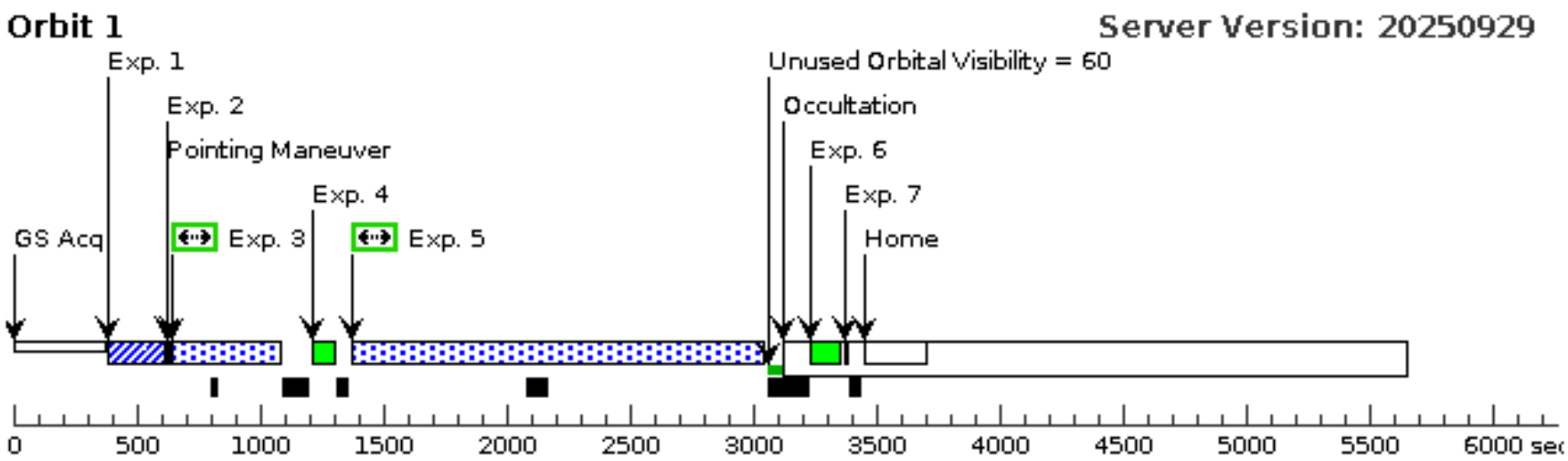
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	GRW+70D5824	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77+/-0.0 B-V =-0.09 F(1280.8) = 1.38 +/-0.1 E-12	Reference Frame: ICRS

Comments:
Category=STAR
Description=[DA]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of GRW (STIS.ta.1892201)	(1) GRW+70D5824	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***
2	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	***[1]***
3	G230L (STIS.sp.1892313)	(1) GRW+70D5824	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A	WAVECAL=NO			350 Secs (290 Secs) *[==>290.0 Secs]*	 ***[1]***
4	G230L WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 31X0.05NDC	G230L 2376 A				*[==>]*	***[1]***
5	G230M (STIS.sp.1892562)	(1) GRW+70D5824	STIS/NUV-MAMA, TIME-TAG, 52X2	G230M 2014 A	BUFFER-TIME=544			1493 Secs (1493 Secs) *[==>]*	 ***[1]***
6	G230M WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 52X0.1	G230M 2014 A				*[==>]*	***[1]***
7	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17888, CCD1 (02), completed Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: BETWEEN 11-MAY-2025:00:00:00 AND 22-MAY-2025:00:00:00

Comments: CCD NUV L + M modes, including E1 apertures, and NUV-MAMA M mode.
Please schedule this visit in an SAA-free block if possible.

Fixed Targets

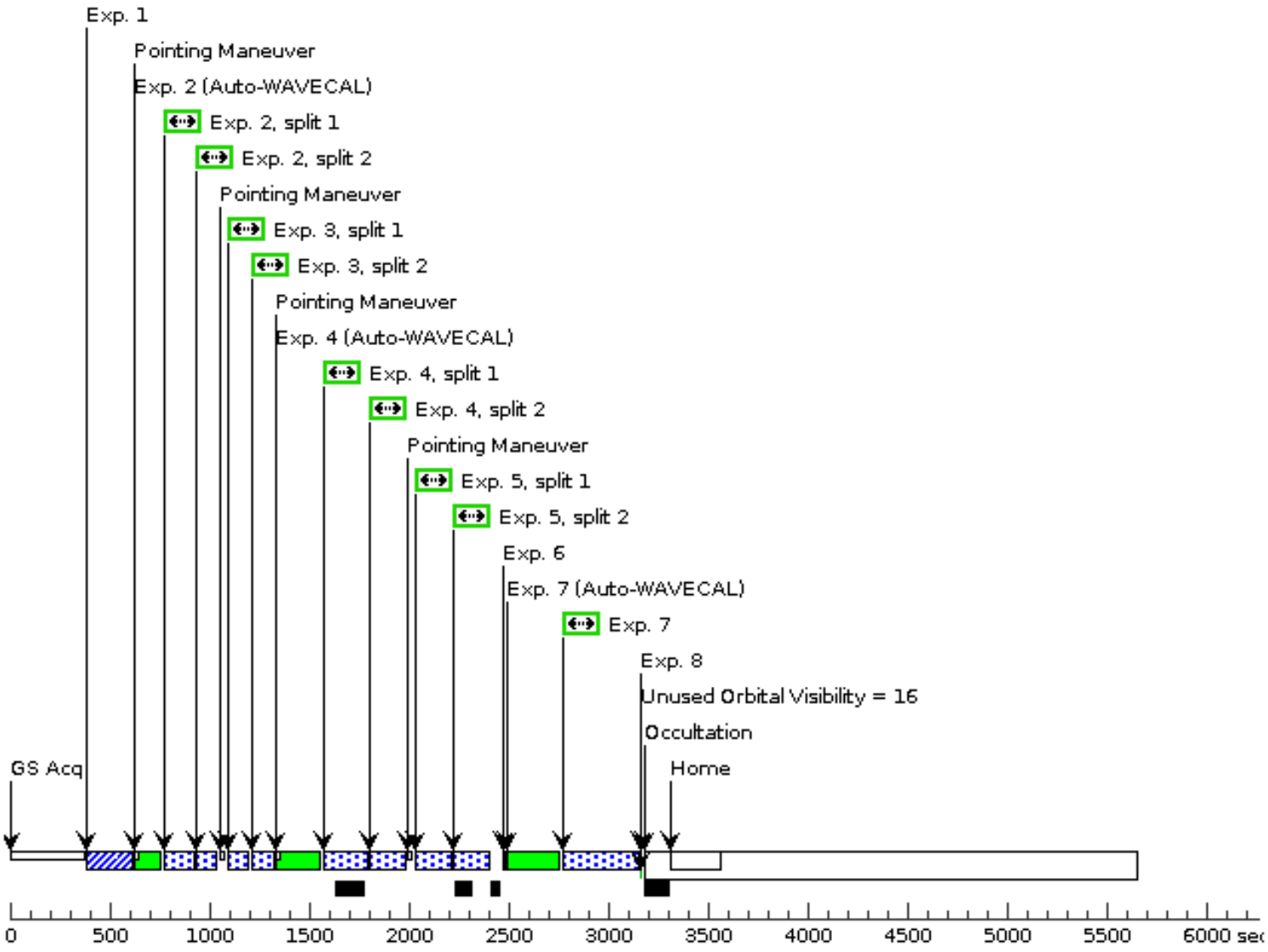
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	AGK+81D266 Alt Name1: HIP45880	RA: 09 21 19.2200 (140.3300833d) Dec: +81 43 28.10 (81.72447d) Equinox: J2000	Proper Motion RA: -0.00470124 sec of time/yr Proper Motion Dec: -51.260 mas/yr Parallax: 0.00227" Epoch of Position: 1991.25	V=11.936+/-0.02 B-V = -0.34	Reference Frame: ICRS

Comments: Permits access to the same standard throughout the year.
Coordinates and proper motions updated to Hipparcos values.
Updated DEC proper motion on June 28, 2021. The previous value of PM of -0.005014 arcsec/yr appeared to be off by a factor of ~10. Updated value was taken from SIMBAD.
Category=CALIBRATION
Description=[DETECTOR SENSITIVITY TEST, PHOTOMETRIC, THROUGHPUT TEST]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of AGK (STIS.ta.1892183)	(2) AGK+81D266	STIS/CCD, ACQ, F28X50LP	MIRROR				1.0 Secs (1 Secs) *[==>]*	***[1]***
2	G230LB E1 (STIS.sp.1892307)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				144 Secs (144 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
3	G230LB (STIS.sp.1892306)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230LB 2375 A				144 Secs (144 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4	G230MB E1 (STIS.sp.1892309)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230MB 1995 A				286 Secs (286 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5	G230MB (STIS.sp.1892308)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230MB 1995 A				286 Secs (286 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
6	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	***[1]***
7	G230M (STIS.sp.1892310)	(2) AGK+81D266	STIS/NUV-MAMA, ACCUM, 52X2	G230M 2014 A				321 Secs (321 Secs) *[==>]*	***[1]***
8	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17888, MAMA2 (03), completed Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: SCHED 70%; BETWEEN 27-JUN-2025:00:00:00 AND 07-JUL-2025:00:00:00

Comments: NUV-MAMA L + M modes.
Please schedule this visit in an SAA-free block if possible.

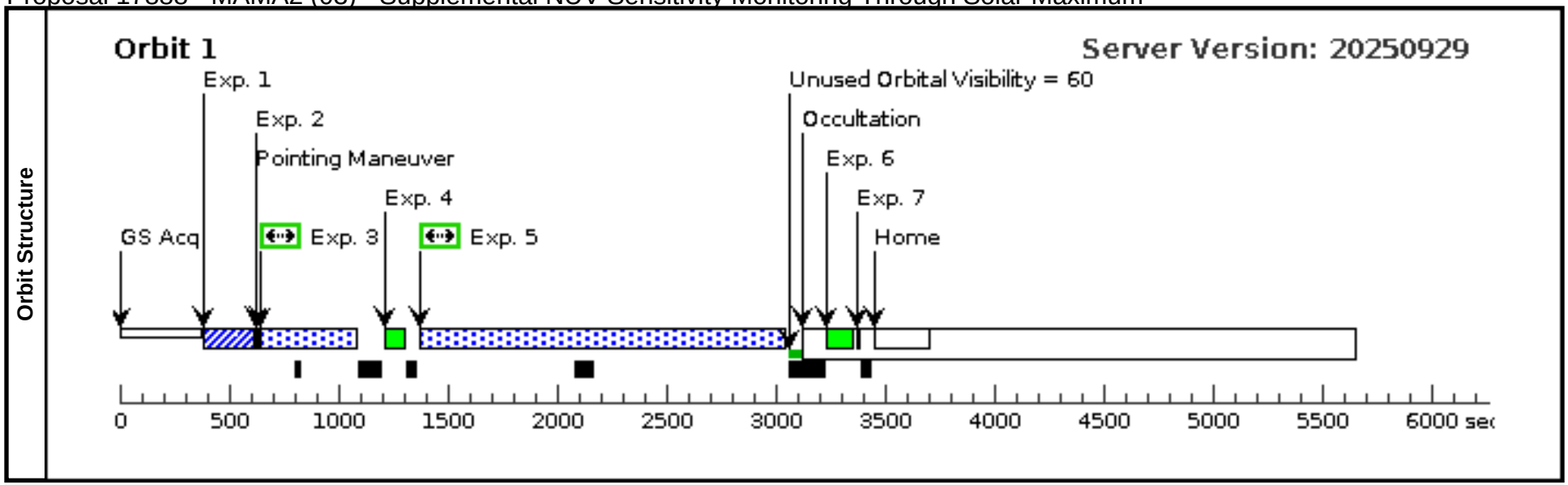
Fixed Targets

#	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

Comments:
Category=STAR
Description=[DA]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of GRW (STIS.ta.1892201)	(1) GRW+70D5824	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***
2	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	***[1]***
3	G230L (STIS.sp.1892313)	(1) GRW+70D5824	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A	WAVECAL=NO			350 Secs (290 Secs) *[==>290.0 Secs]*	 ***[1]***
4	G230L WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 31X0.05NDC	G230L 2376 A				*[==>]*	***[1]***
5	G230M (STIS.sp.1892562)	(1) GRW+70D5824	STIS/NUV-MAMA, TIME-TAG, 52X2	G230M 2014 A	BUFFER-TIME=544			1493 Secs (1493 Secs) *[==>]*	 ***[1]***
6	G230M WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 52X0.1	G230M 2014 A				*[==>]*	***[1]***
7	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20250929
Exp. 1
Exp. 2
Pointing Maneuver
Exp. 4
GS Acq
Exp. 3
Exp. 5
Unused Orbital Visibility = 60
Occultation
Exp. 6
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17888, CCD2 (04), completed Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: BETWEEN 26-SEP-2025:00:00:00 AND 07-OCT-2025:00:00:00

Comments: CCD NUV L + M modes, including E1 apertures, and NUV-MAMA M mode.
Please schedule this visit in an SAA-free block if possible.

Fixed Targets

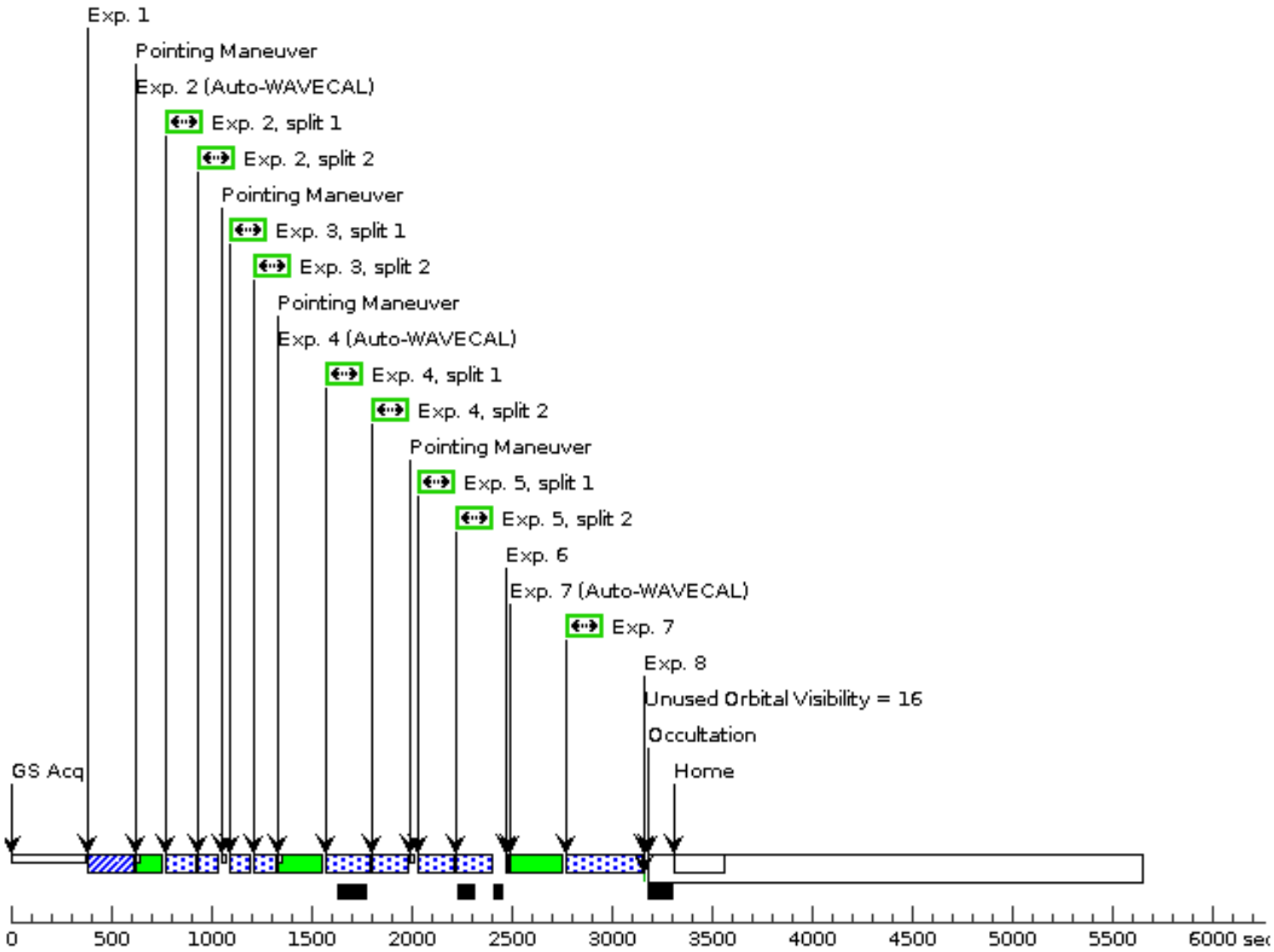
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	AGK+81D266 Alt Name1: HIP45880	RA: 09 21 19.2200 (140.3300833d) Dec: +81 43 28.10 (81.72447d) Equinox: J2000	Proper Motion RA: -0.00470124 sec of time/yr Proper Motion Dec: -51.260 mas/yr Parallax: 0.00227" Epoch of Position: 1991.25	V=11.936+/-0.02 B-V = -0.34	Reference Frame: ICRS

Comments: Permits access to the same standard throughout the year.
Coordinates and proper motions updated to Hipparcos values.
Updated DEC proper motion on June 28, 2021. The previous value of PM of -0.005014 arcsec/yr appeared to be off by a factor of ~10. Updated value was taken from SIMBAD.
Category=CALIBRATION
Description=[DETECTOR SENSITIVITY TEST, PHOTOMETRIC, THROUGHPUT TEST]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of AGK (STIS.ta.1892183)	(2) AGK+81D266	STIS/CCD, ACQ, F28X50LP	MIRROR				1.0 Secs (1 Secs) *[==>]*	***[1]***
2	G230LB E1 (STIS.sp.1892307)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				144 Secs (144 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
3	G230LB (STIS.sp.1892306)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230LB 2375 A				144 Secs (144 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4	G230MB E1 (STIS.sp.1892309)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230MB 1995 A				286 Secs (286 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5	G230MB (STIS.sp.1892308)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230MB 1995 A				286 Secs (286 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
6	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	***[1]***
7	G230M (STIS.sp.1892310)	(2) AGK+81D266	STIS/NUV-MAMA, ACCUM, 52X2	G230M 2014 A				321 Secs (321 Secs) *[==>]*	***[1]***
8	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17888, MAMA3 (05), completed Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: SCHED 70%; BETWEEN 01-OCT-2025:00:00:00 AND 15-OCT-2025:00:00:00

Comments: NUV-MAMA L + M modes.
Please schedule this visit in an SAA-free block if possible.

Diagnostics

(MAMA3 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

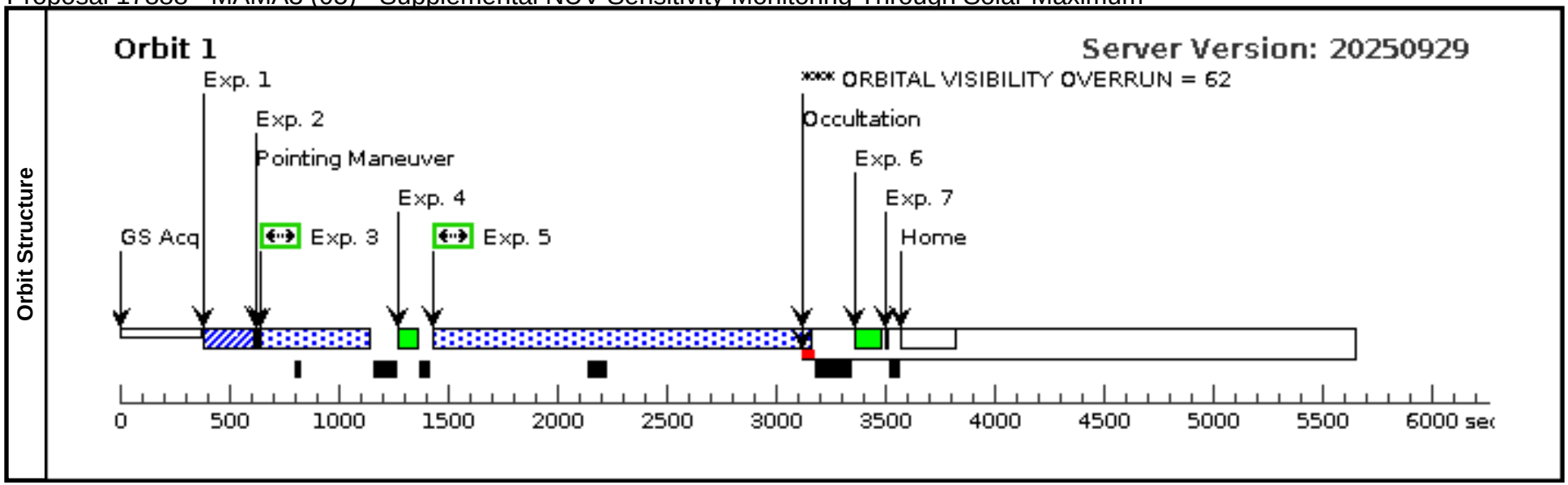
Fixed Targets

#	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

Comments:
Category=STAR
Description=[DA]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of GRW (STIS.ta.1892201)	(1) GRW+70D5824	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	*[1]*
2	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	*[1]*
3	G230L (STIS.sp.1892313)	(1) GRW+70D5824	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A	WAVECAL=NO			350 Secs (351 Secs) *[==>351.0 Secs]*	*[1]*
4	G230L WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 31X0.05NDC	G230L 2376 A				*[==>]*	*[1]*
5	G230M (STIS.sp.1892562)	(1) GRW+70D5824	STIS/NUV-MAMA, TIME-TAG, 52X2	G230M 2014 A	BUFFER-TIME=544			1493 Secs (1554 Secs) *[==>1554.0 Secs]*	*[1]*
6	G230M WAVE	WAVE	STIS/NUV-MAMA, ACCUM, 52X0.1	G230M 2014 A				*[==>]*	*[1]*
7	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20250929
Exp. 1
Exp. 2
Pointing Maneuver
Exp. 4
GS Acq
Exp. 3
Exp. 5
**** ORBITAL VISIBILITY OVERRUN = 62
Occultation
Exp. 6
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17888, CCD3 (06), failed Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: BETWEEN 25-DEC-2025:00:00:00 AND 05-JAN-2026:00:00:00

Comments: CCD NUV L + M modes, including E1 apertures, and NUV-MAMA M mode.
Please schedule this visit in an SAA-free block if possible.

Diagnostics

(CCD3 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

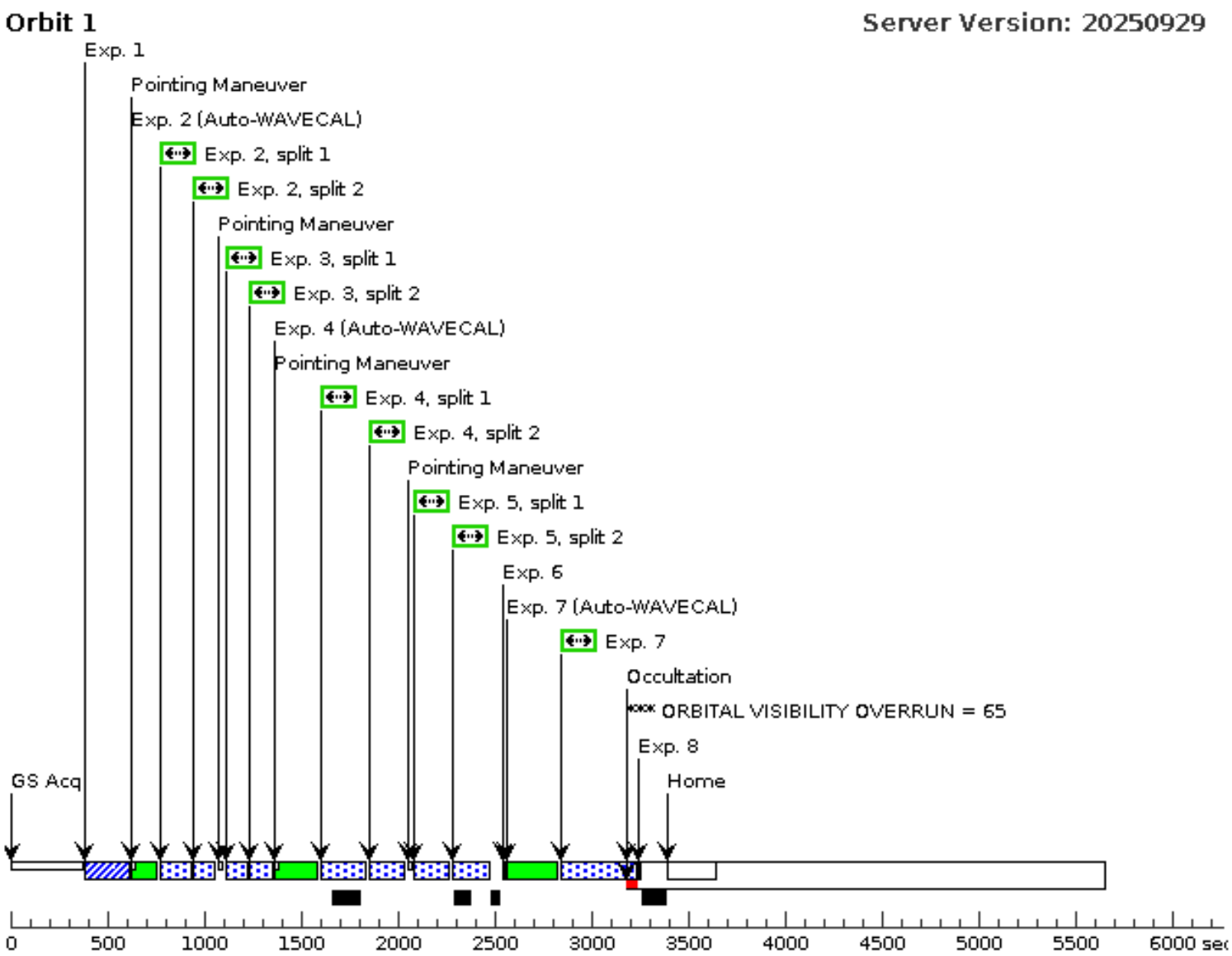
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	AGK+81D266 Alt Name1: HIP45880	RA: 09 21 19.2200 (140.3300833d) Dec: +81 43 28.10 (81.72447d) Equinox: J2000	Proper Motion RA: -0.00470124 sec of time/yr Proper Motion Dec: -51.260 mas/yr Parallax: 0.00227" Epoch of Position: 1991.25	V=11.936+/-0.02 B-V = -0.34	Reference Frame: ICRS

Comments: Permits access to the same standard throughout the year.
Coordinates and proper motions updated to Hipparcos values.
Updated DEC proper motion on June 28, 2021. The previous value of PM of -0.005014 arcsec/yr appeared to be off by a factor of ~10. Updated value was taken from SIMBAD.
Category=CALIBRATION
Description=[DETECTOR SENSITIVITY TEST, PHOTOMETRIC, THROUGHPUT TEST]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of AGK (STIS.ta.1892183)	(2) AGK+81D266	STIS/CCD, ACQ, F28X50LP	MIRROR				1.0 Secs (1 Secs) *[==>]*	***[1]***
2	G230LB E1 (STIS.sp.1892307)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				144 Secs (162 Secs) *[==>81.0 Secs (Split 1)]* *[==>81.0 Secs (Split 2)]*	***[1]***
3	G230LB (STIS.sp.1892306)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230LB 2375 A				144 Secs (162 Secs) *[==>81.0 Secs (Split 1)]* *[==>81.0 Secs (Split 2)]*	***[1]***
4	G230MB E1 (STIS.sp.1892309)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230MB 1995 A				286 Secs (304 Secs) *[==>152.0 Secs (Split 1)]* *[==>152.0 Secs (Split 2)]*	***[1]***
5	G230MB (STIS.sp.1892308)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230MB 1995 A				286 Secs (304 Secs) *[==>152.0 Secs (Split 1)]* *[==>152.0 Secs (Split 2)]*	***[1]***
6	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	***[1]***
7	G230M (STIS.sp.1892310)	(2) AGK+81D266	STIS/NUV-MAMA, ACCUM, 52X2	G230M 2014 A				321 Secs (330 Secs) *[==>330.0 Secs]*	***[1]***
8	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17888, CCD3 (R6) Tue Jan 13 21:00:25 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS

Special Requirements: BEFORE 31-AUG-2026:00:00:00

Comments: CCD NUV L + M modes, including E1 apertures, and NUV-MAMA M mode.
Please schedule this visit in an SAA-free block if possible.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	AGK+81D266 Alt Name1: HIP45880	RA: 09 21 19.2200 (140.3300833d) Dec: +81 43 28.10 (81.72447d) Equinox: J2000	Proper Motion RA: -0.00470124 sec of time/yr Proper Motion Dec: -51.260 mas/yr Parallax: 0.00227" Epoch of Position: 1991.25	V=11.936+/-0.02 B-V = -0.34	Reference Frame: ICRS

Comments: Permits access to the same standard throughout the year.
Coordinates and proper motions updated to Hipparcos values.
Updated DEC proper motion on June 28, 2021. The previous value of PM of -0.005014 arcsec/yr appeared to be off by a factor of ~10. Updated value was taken from SIMBAD.
Category=CALIBRATION
Description=[DETECTOR SENSITIVITY TEST, PHOTOMETRIC, THROUGHPUT TEST]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ of AGK (STIS.ta.1892183)	(2) AGK+81D266	STIS/CCD, ACQ, F28X50LP	MIRROR				1.0 Secs (1 Secs) *[==>]*	***[1]***
2	G230LB E1 (STIS.sp.1892307)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				144 Secs (162 Secs) *[==>81.0 Secs (Split 1)]* *[==>81.0 Secs (Split 2)]*	***[1]***
3	G230LB (STIS.sp.1892306)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230LB 2375 A				144 Secs (162 Secs) *[==>81.0 Secs (Split 1)]* *[==>81.0 Secs (Split 2)]*	***[1]***
4	G230MB E1 (STIS.sp.1892309)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2E1	G230MB 1995 A				286 Secs (284 Secs) *[==>142.0 Secs (Split 1)]* *[==>142.0 Secs (Split 2)]*	***[1]***
5	G230MB (STIS.sp.1892308)	(2) AGK+81D266	STIS/CCD, ACCUM, 52X2	G230MB 1995 A				286 Secs (284 Secs) *[==>142.0 Secs (Split 1)]* *[==>142.0 Secs (Split 2)]*	***[1]***
6	SETOFFSET=ZERO	NONE	STIS, MSMOFF		SETOFFSET=ZERO; GRATING1=ALL			*[==>]*	***[1]***
7	G230M (STIS.sp.1892310)	(2) AGK+81D266	STIS/NUV-MAMA, ACCUM, 52X2	G230M 2014 A				321 Secs (305 Secs) *[==>305.0 Secs]*	***[1]***
8	SETOFFSET=RESTORE	NONE	STIS, MSMOFF		SETOFFSET=RESTORE; GRATING1=ALL			*[==>]*	***[1]***

Orbit Structure