17113 - Simultaneous detection of Mg, C and O to trace dust and ices in exocomets of the young system HD172555

Cycle: 30, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:35.0	yes
02	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:36.0	yes
03	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:36.0	yes
53	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:37.0	yes
61	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:38.0	yes
04	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:39.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
54	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:40.0	yes
62	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:40.0	yes
05	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:41.0	yes
55	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:42.0	yes
06	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:43.0	yes
56	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:44.0	yes
07	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:45.0	yes
08	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:46.0	yes
09	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:46.0	yes
59	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:47.0	yes
10	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:48.0	yes
60	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:49.0	yes
11	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:50.0	yes
12	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:50.0	yes
13	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:51.0	yes
14	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:52.0	yes
15	(1) HD172555	COS/FUV	1	10-Jul-2023 12:01:53.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
16	(1) HD172555 WAVE	STIS/CCD STIS/NUV-MAMA	1	10-Jul-2023 12:01:54.0	yes

24 Total Orbits Used

ABSTRACT

HD 172555 is a young planetary system embedded in a warm gaseous debris disk seen edge-on. A stable gas component and transiting exocomets can be observed in details using absorption spectroscopy. Several variable absorption features identified as due to transiting exocomets have been detected in the optical and UV spectra. HST COS and STIS observations revealed the presence of highly ionized species, ionized carbon and neutral oxygen in the cometary gaseous tails. Nonetheless, the limited wavelegnth coverage of available HST observations of HD172555 precludes from detecting refractory species simultaneusly with volatile elements, which is needed to determine if these star-grazing evaporating bodies are volatile-rich or not.

The observations are aimed at probing the dust-to-ice ratio in transiting exocomets of HD172555. This objective can be achieved by capturing exocomet signatures simultaneously in MgII, CII and OI lines with COS/FUV and STIS/NUV spectra of this young star. Magnesium is one of the main constituant of silicate (forsterite, enstatite), while carbon, oxygen and CO are among the main species forming ices in comets. The dust-to-ice ratio will be given by the simultaneous measurement of absorption signatures of these key species.

OBSERVING DESCRIPTION

The program is developped into 8 observation sequences that are composed of 2 visits grouped wihtin 1.1 orbit to be executed back-to-back in any order. Each of the two visits of an observation sequence has a duration of one HST orbit.

The 1st visit/orbit of each observation sequence is dedicated to the FUV observations with COS.

The 2nd visit/orbit of each observation sequence is dedicated to NUV observations with STIS.

The eight observation sequences have to be separated by more than two days from one to the other.

The last observation sequence (visits #15 and #16) is to be scheduled between June 1st and July 2nd to coincide with TESS observations.

For the COS observations, we have selected WAVECEN=1291 with the use of BOTH the segment A and segment B. To comply with the COS2025 policy, we propose to program the observations into two separated exposures : one with FP-POS=3 and one with FP-POS=4 (exposures 4 and 5, respectively).

The impact of reduced-gyro operations is believed to be neglegible on the present program, except for the possible consequence to postpone the

completion of an 8 observation sequences (~8 "visits") program well beyond the end of Cycle 30,

Visit

Proposal 17113, Visit 01, completed

Mon Jul 10 16:01:54 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: GROUP 01,02 WITHIN 1.1 Orbits

Diagnostics

(Visit 01) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

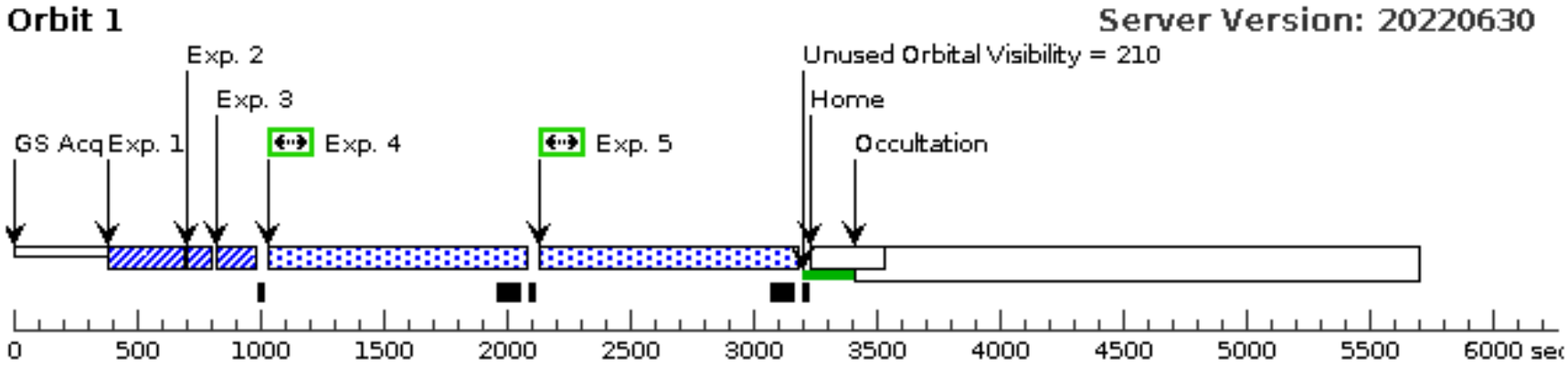
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 01	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 01	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 01	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 01	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
Comments: The total count rate on the detector is expected to be 1,300 counts per sec.									
5	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 01	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
Comments: The total count rate on the detector is expected to be 1,300 counts per sec.									

Orbit Structure



Visit

Proposal 17113, Visit 02, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: (none)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***

Comments: Same as Program #13798
SNR = 47. Time to saturation = 213 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***

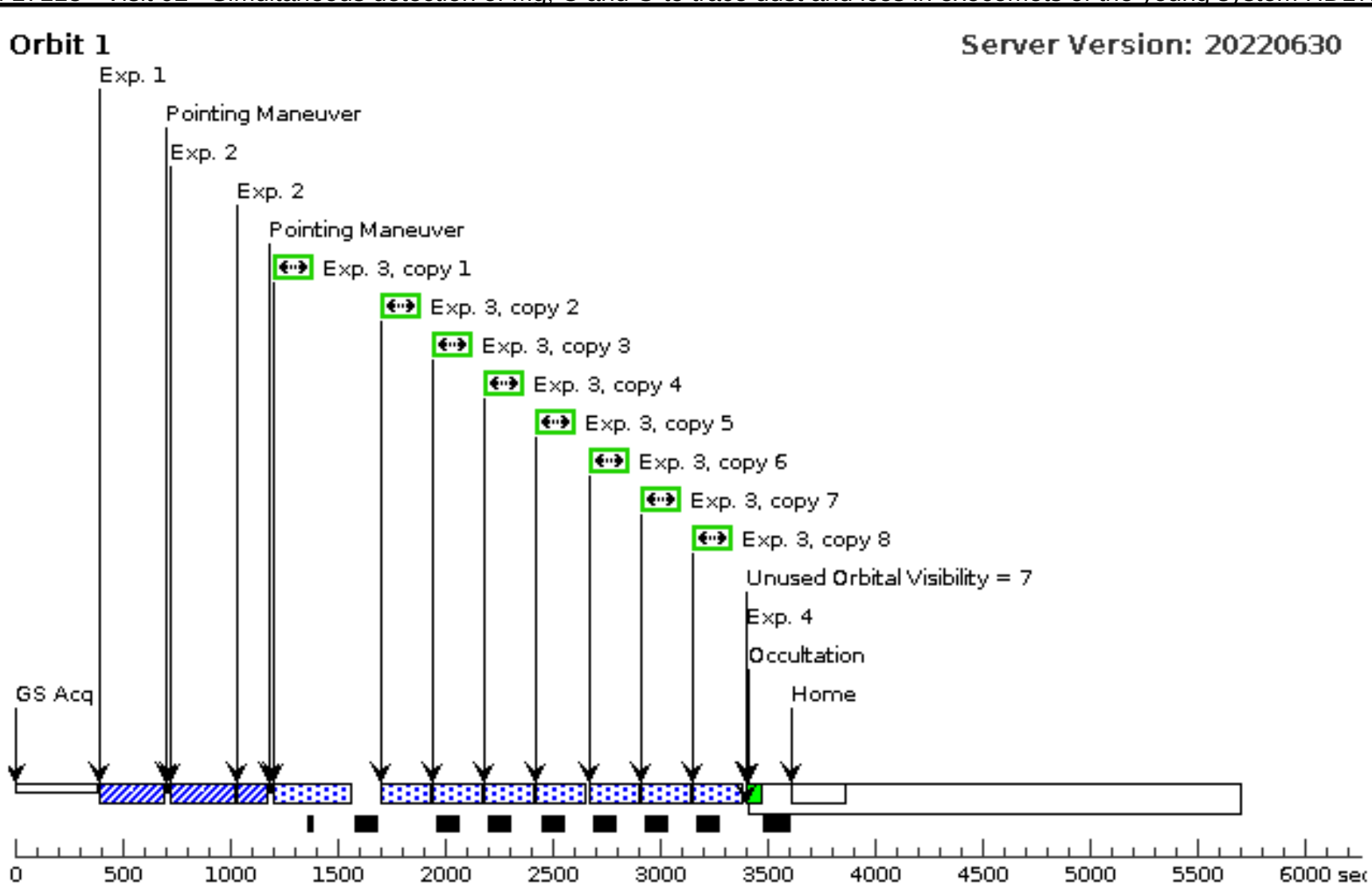
Comments: Same as Program #13798
SNR = 45. Time to saturation = 3.48 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 02	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***

Comments: Count rate entire detector is about ~160,000 (counts/s).
This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 02	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 03, failed

Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 01 BY 2 D TO 600 D; GROUP 03,04 WITHIN 1.1 Orbits

Diagnostics

(Visit 03) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

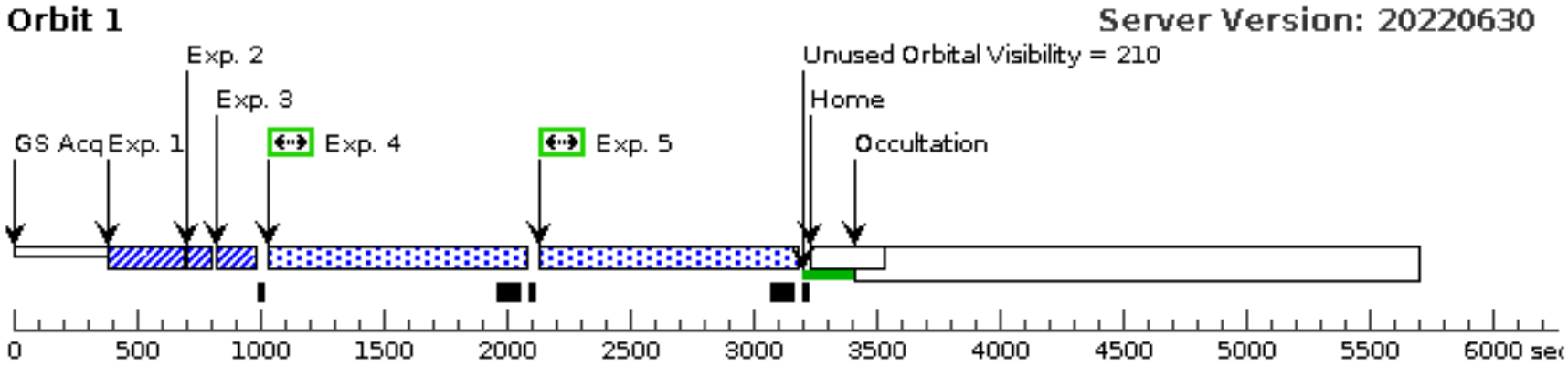
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 03	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 03	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 03	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 03	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
5	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 03	1000 Secs (1000 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 53, failed

Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 13 BY 2 D TO 600 D; GROUP 53,54 WITHIN 1.1 Orbits

Comments: HOPR repeat of visit 3.

Diagnostics

(Visit 53) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

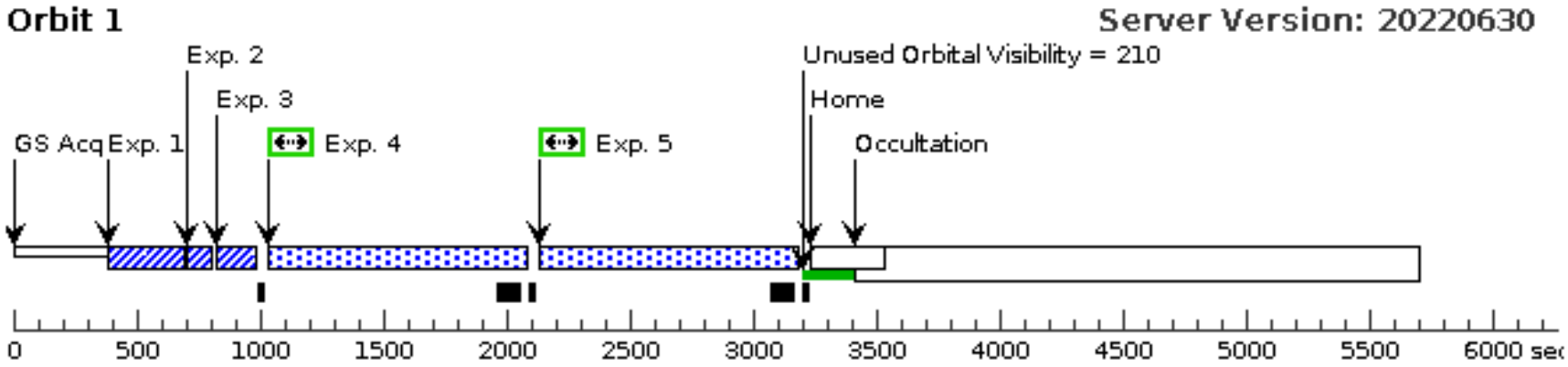
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 53	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
2	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 53	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
3	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 53	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
4	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 53	1000 Secs (1000 Secs) *[==>]*	***[1]***
5	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 53	1000 Secs (1000 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 61 Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 13 BY 2 D TO 600 D; GROUP 61,62 WITHIN 1.1 Orbits

Comments: HOPR repeat of visit 3.

Diagnostics

(Visit 61) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

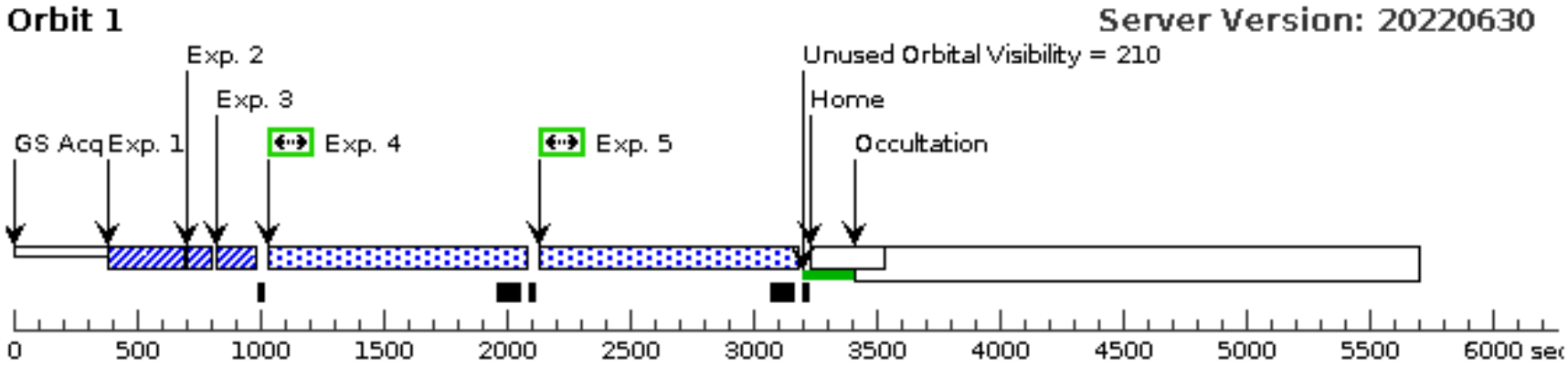
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 61	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
2	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 61	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
3	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 61	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
4	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 61	1000 Secs (1000 Secs) *[==>]*	***[1]***
5	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 61	1000 Secs (1000 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 04, failed

Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER_01 BY 2 D TO 600 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***

Comments: Same as Program #13798
SNR = 47. Time to saturation = 213 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***

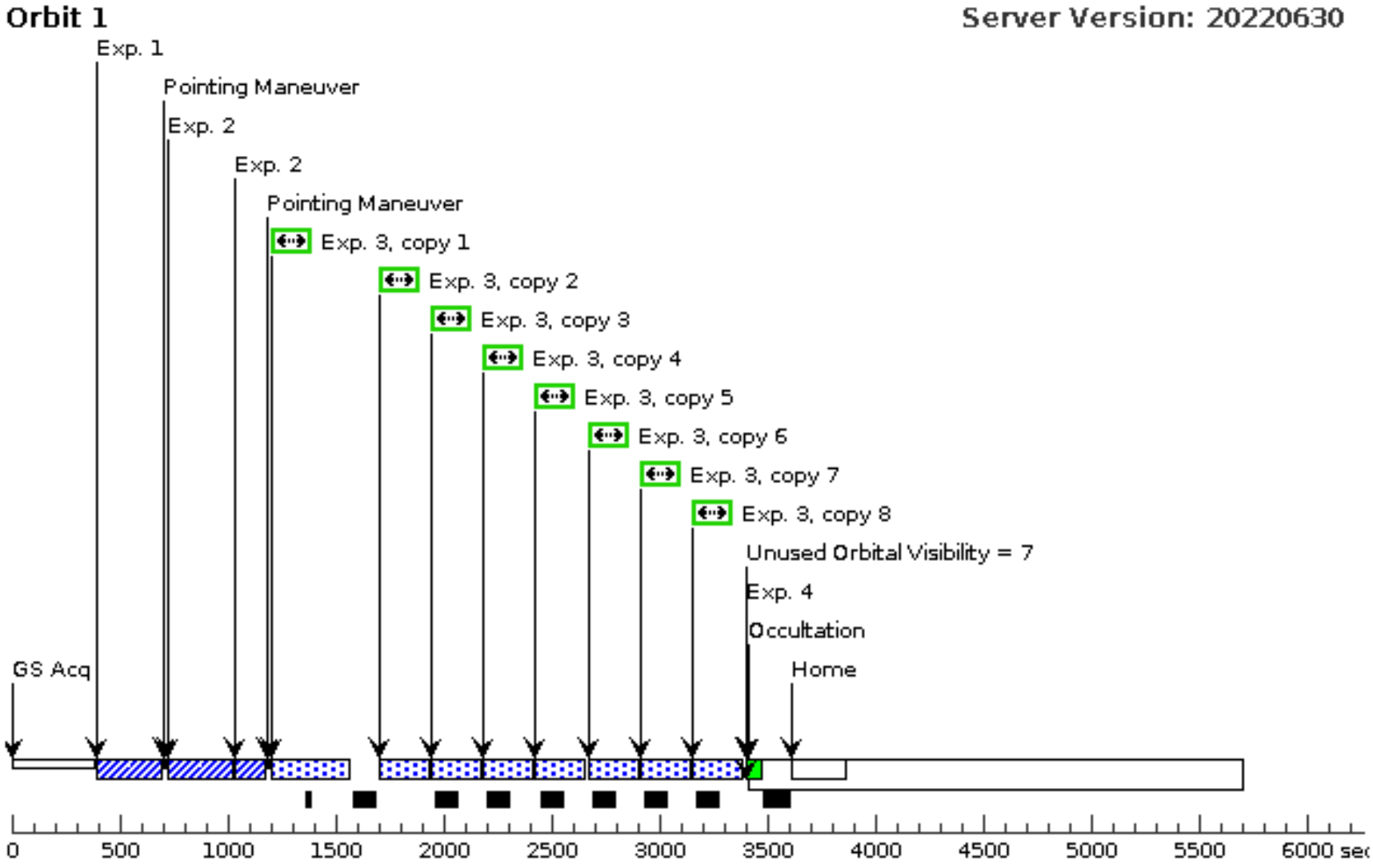
Comments: Same as Program #13798
SNR = 45. Time to saturation = 3.48 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 04	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***

Comments: Count rate entire detector is about ~160,000 (counts/s).
This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 04	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 54, failed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 13 BY 2 D TO 600 D

Comments: HOPR repeat of visit 4.

Fixed Targets

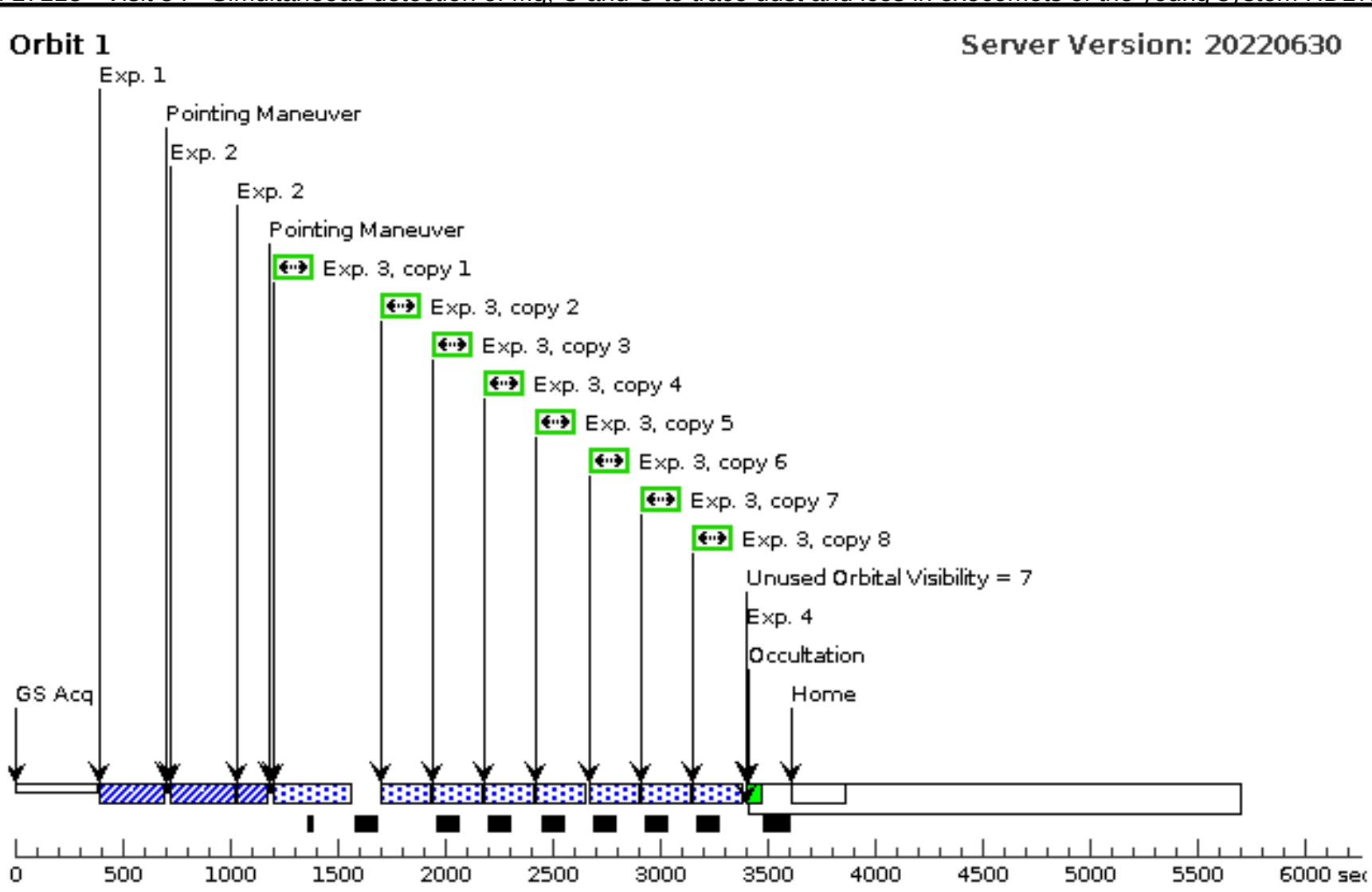
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: Same as Program #13798 *SNR = 47. Time to saturation = 213 seconds*								
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***
	Comments: Same as Program #13798 *SNR = 45. Time to saturation = 3.48 seconds*								
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 54	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***
	Comments: Count rate entire detector is about ~160,000 (counts/s). *This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.*								
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 54	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 62 Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 13 BY 2 D TO 600 D

Comments: HOPR repeat of visit 4.

Fixed Targets

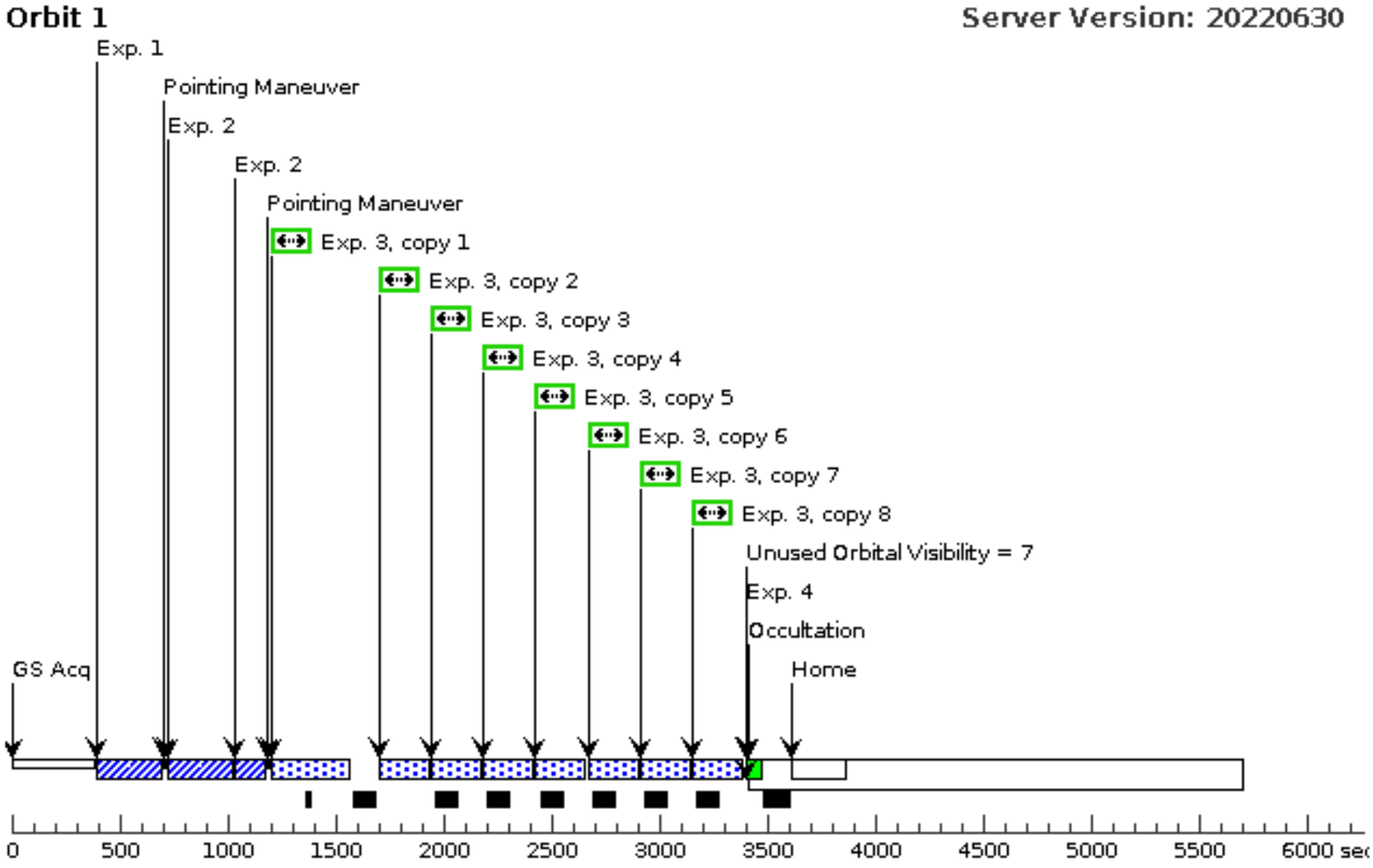
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	***[1]***
	Comments: Same as Program #13798 *SNR = 47. Time to saturation = 213 seconds*								
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	***[1]***
	Comments: Same as Program #13798 *SNR = 45. Time to saturation = 3.48 seconds*								
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 62	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	***[1]***
	Comments: Count rate entire detector is about ~160,000 (counts/s). *This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.*								
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 62	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 05, failed

Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 03 BY 2 D TO 600 D; GROUP 05,06 WITHIN 1.1 Orbits

Diagnostics

(Visit 05) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

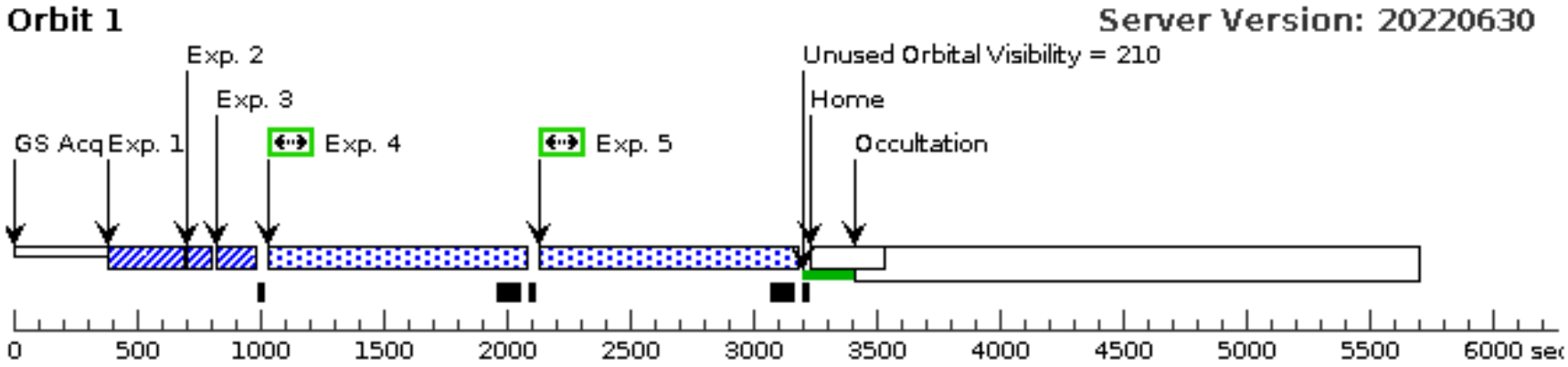
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 05	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 05	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 05	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 05	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
5	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 05	1000 Secs (1000 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 55, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 53 BY 2 D TO 600 D; GROUP 55,56 WITHIN 1.1 Orbits

Comments: HOPR repeat of visit 5.

Diagnostics

(Visit 55) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

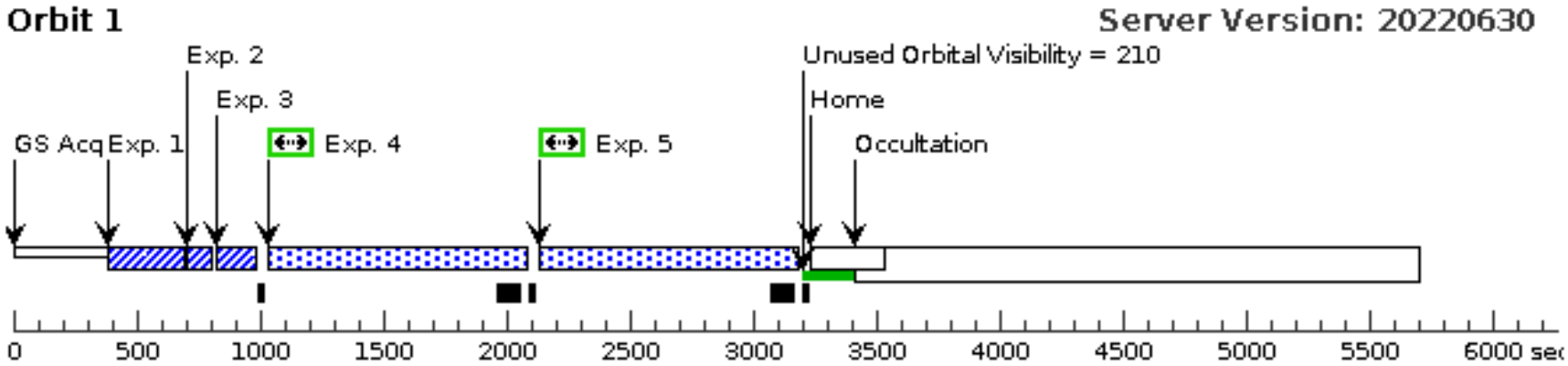
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 55	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
2	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 55	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
3	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 55	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
4	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 55	1000 Secs (1000 Secs) *[==>]*	***[1]***
5	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 55	1000 Secs (1000 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 06, failed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 03 BY 2 D TO 600 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***

Comments: Same as Program #13798
SNR = 47. Time to saturation = 213 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***

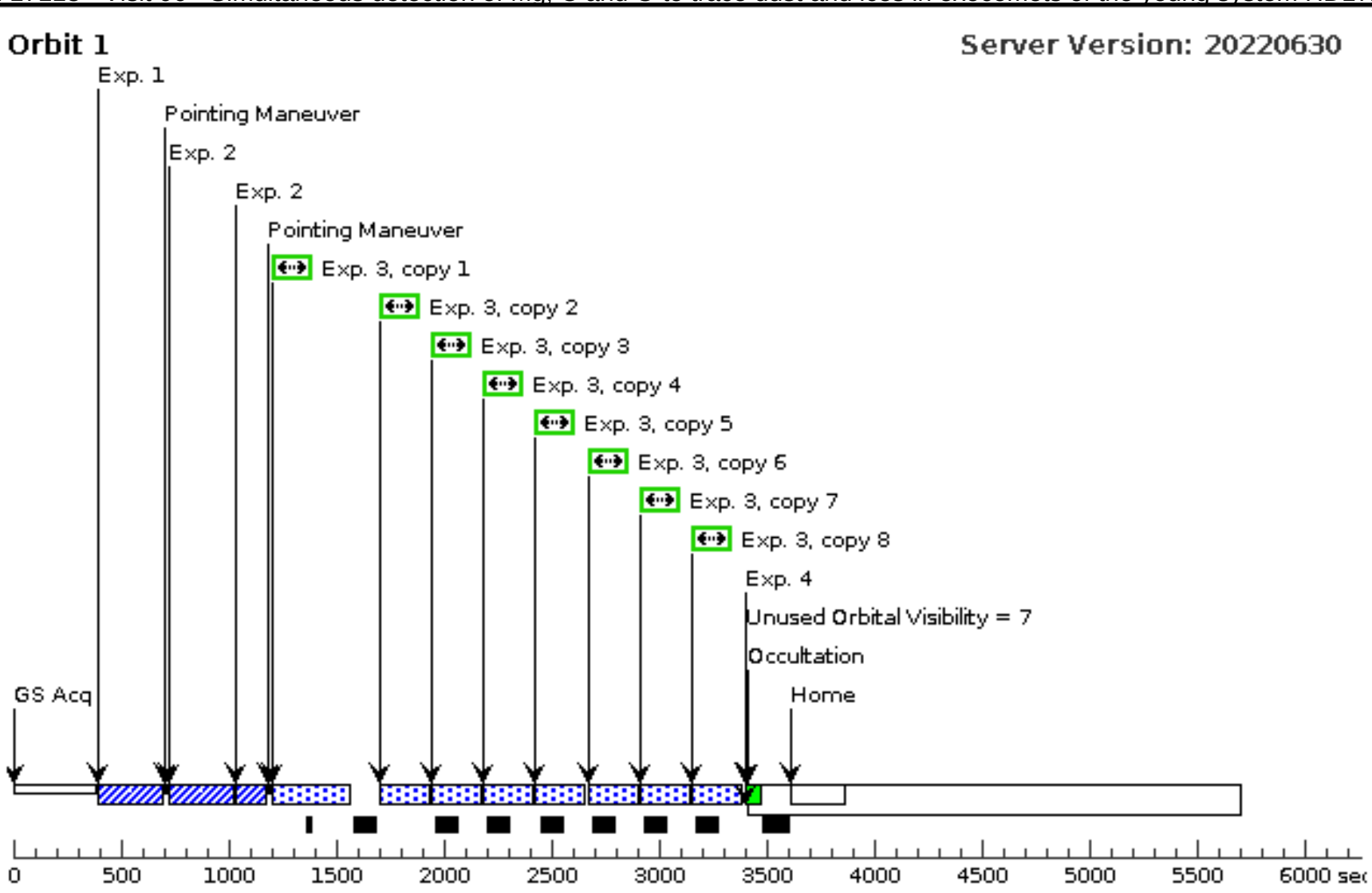
Comments: Same as Program #13798
SNR = 45. Time to saturation = 3.48 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 06	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***

Comments: Count rate entire detector is about ~160,000 (counts/s).
This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 06	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 56, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 53 BY 2 D TO 600 D

Comments: HOPR repeat of visit 6.

Fixed Targets

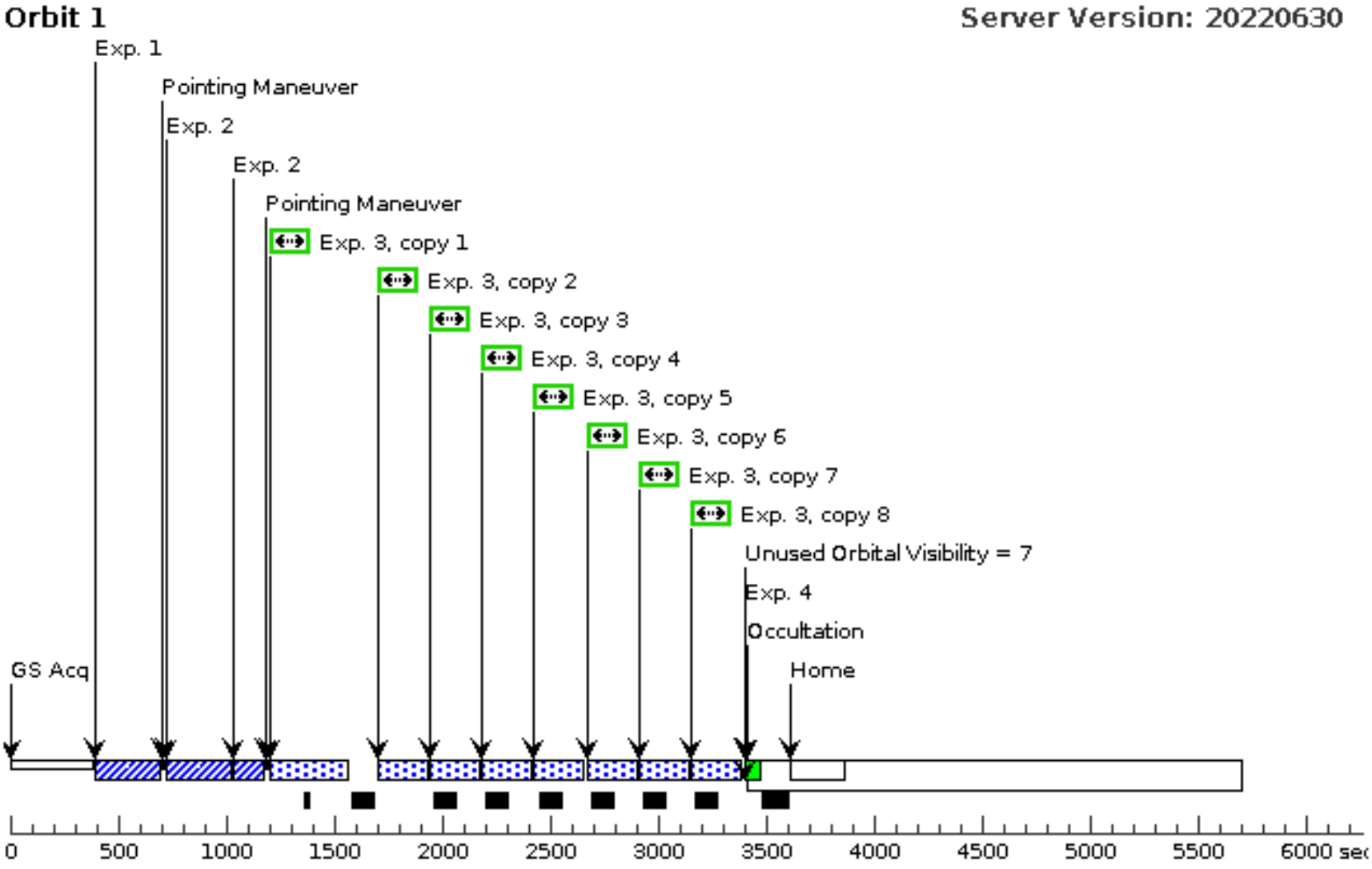
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	***[1]***
	Comments: Same as Program #13798 *SNR = 47. Time to saturation = 213 seconds*								
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	***[1]***
	Comments: Same as Program #13798 *SNR = 45. Time to saturation = 3.48 seconds*								
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 56	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	***[1]***
	Comments: Count rate entire detector is about ~160,000 (counts/s). *This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.*								
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 56	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 07, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER_05 BY 2 D TO 600 D; GROUP 07,08 WITHIN 1.1 Orbits

Diagnostics

(Visit 07) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

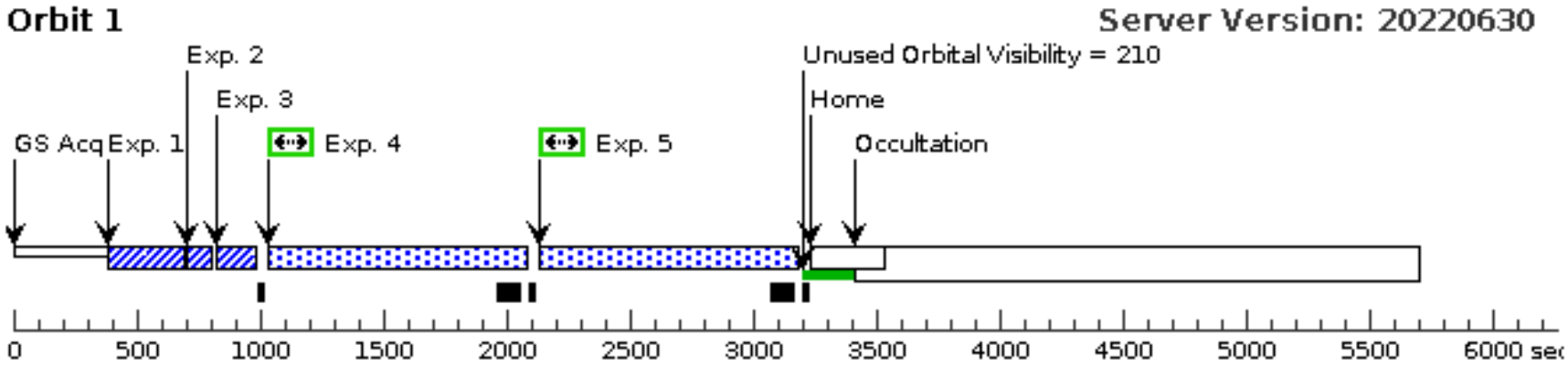
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 07	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 07	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 07	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 07	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
5	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 07	1000 Secs (1000 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 08, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 05 BY 2 D TO 600 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***

Comments: Same as Program #13798
SNR = 47. Time to saturation = 213 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***

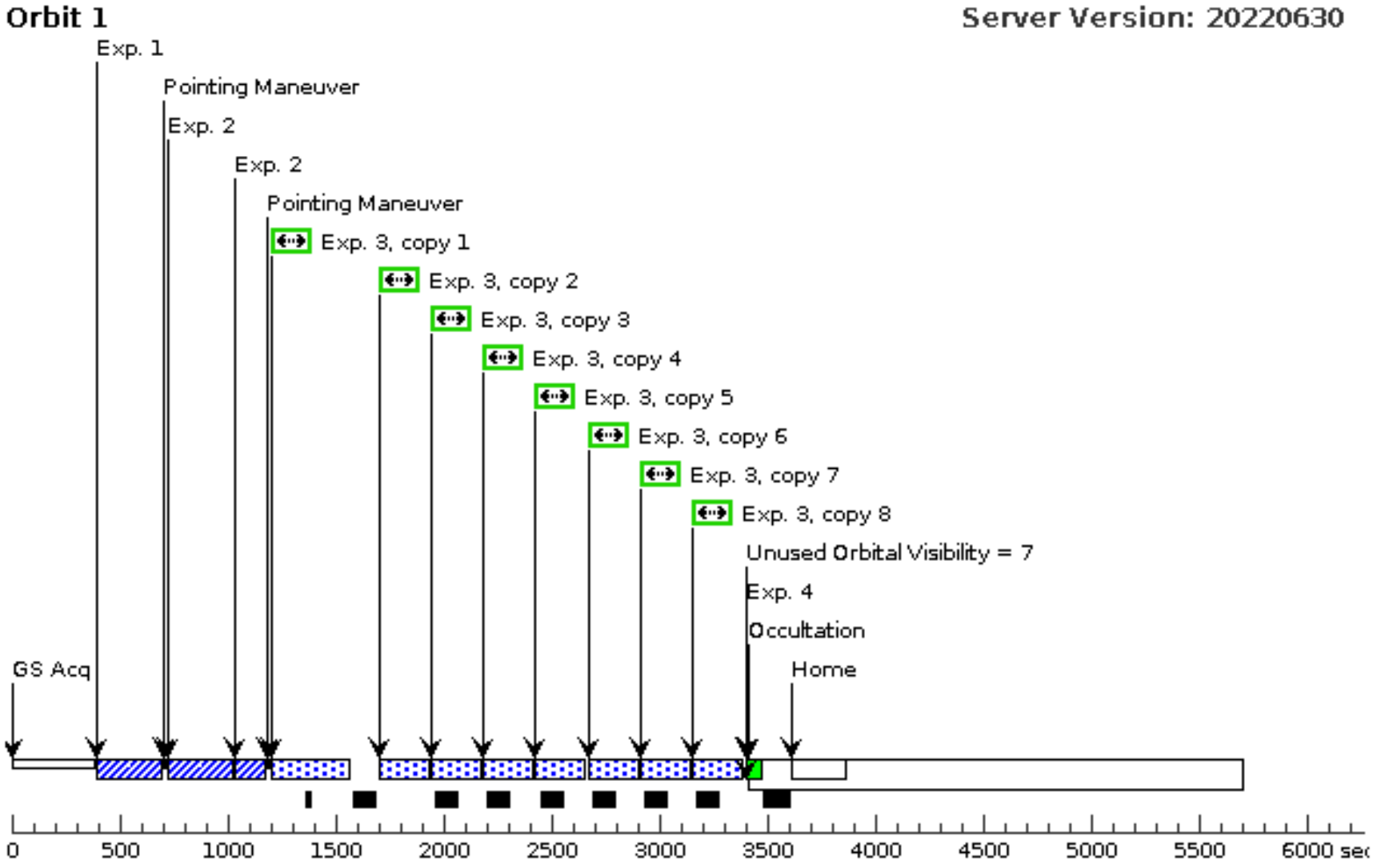
Comments: Same as Program #13798
SNR = 45. Time to saturation = 3.48 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 08	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***

Comments: Count rate entire detector is about ~160,000 (counts/s).
This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 08	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 09, failed

Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 07 BY 2 D TO 600 D; GROUP 09,10 WITHIN 1.1 Orbits

Diagnostics

(Visit 09) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

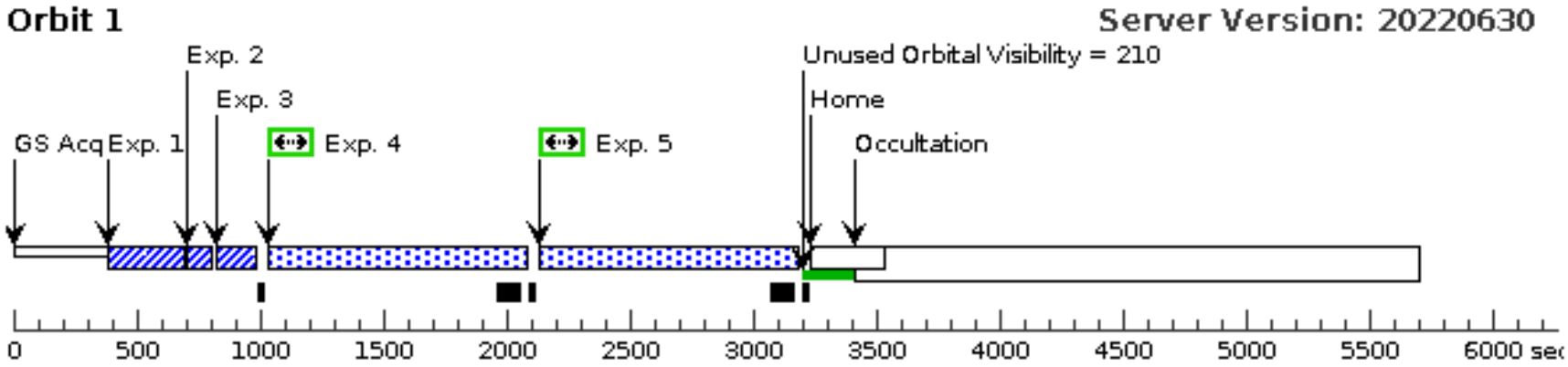
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 09	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 09	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 09	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 09	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
5	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 09	1000 Secs (1000 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 59, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 55 BY 2 D TO 600 D; GROUP 59,60 WITHIN 1.1 Orbits

Comments: HOPR repeat of visit 9.

Diagnostics

(Visit 59) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

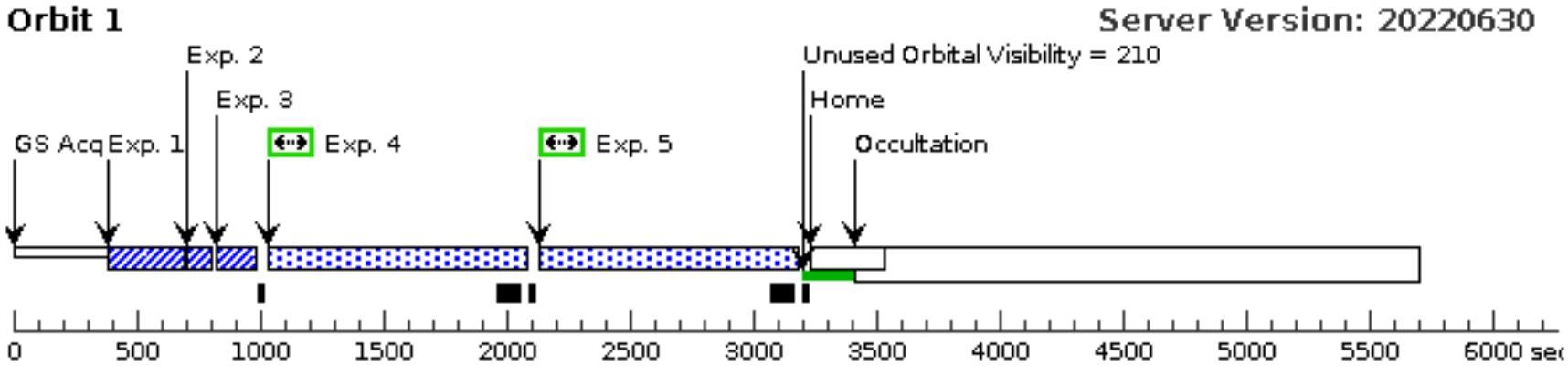
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 59	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
2	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 59	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
3	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 59	1.5 Secs (1.5 Secs) *[==>]*	***[1]***
4	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 59	1000 Secs (1000 Secs) *[==>]*	***[1]***
5	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 59	1000 Secs (1000 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 10, failed

Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER_07 BY 2 D TO 600 D

Fixed Targets

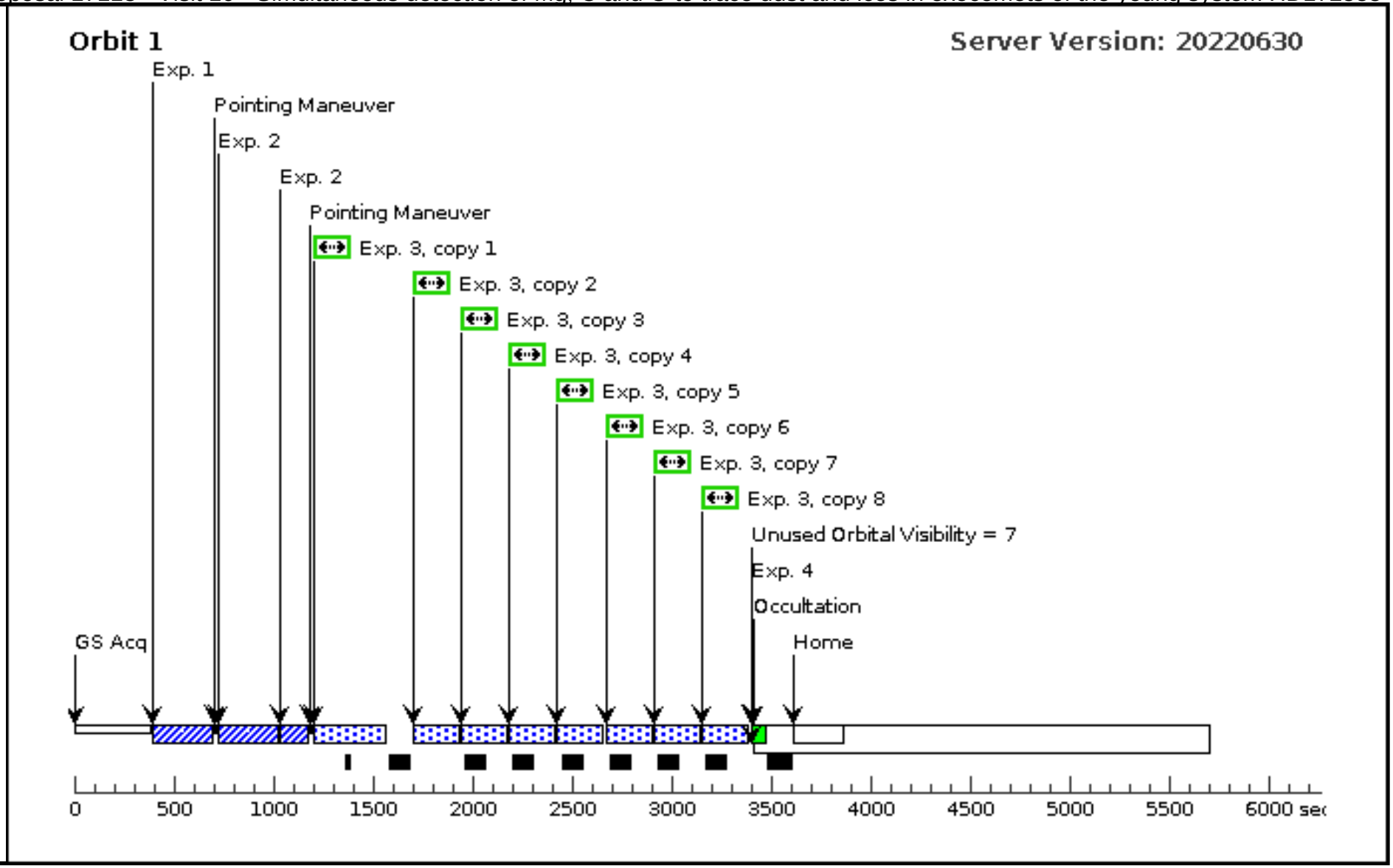
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: Same as Program #13798 *SNR = 47. Time to saturation = 213 seconds*								
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***
	Comments: Same as Program #13798 *SNR = 45. Time to saturation = 3.48 seconds*								
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 10	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***
	Comments: Count rate entire detector is about ~160,000 (counts/s). *This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.*								
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 10	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 60, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 55 BY 2 D TO 600 D

Comments: HOPR repeat of visit 10.

Fixed Targets

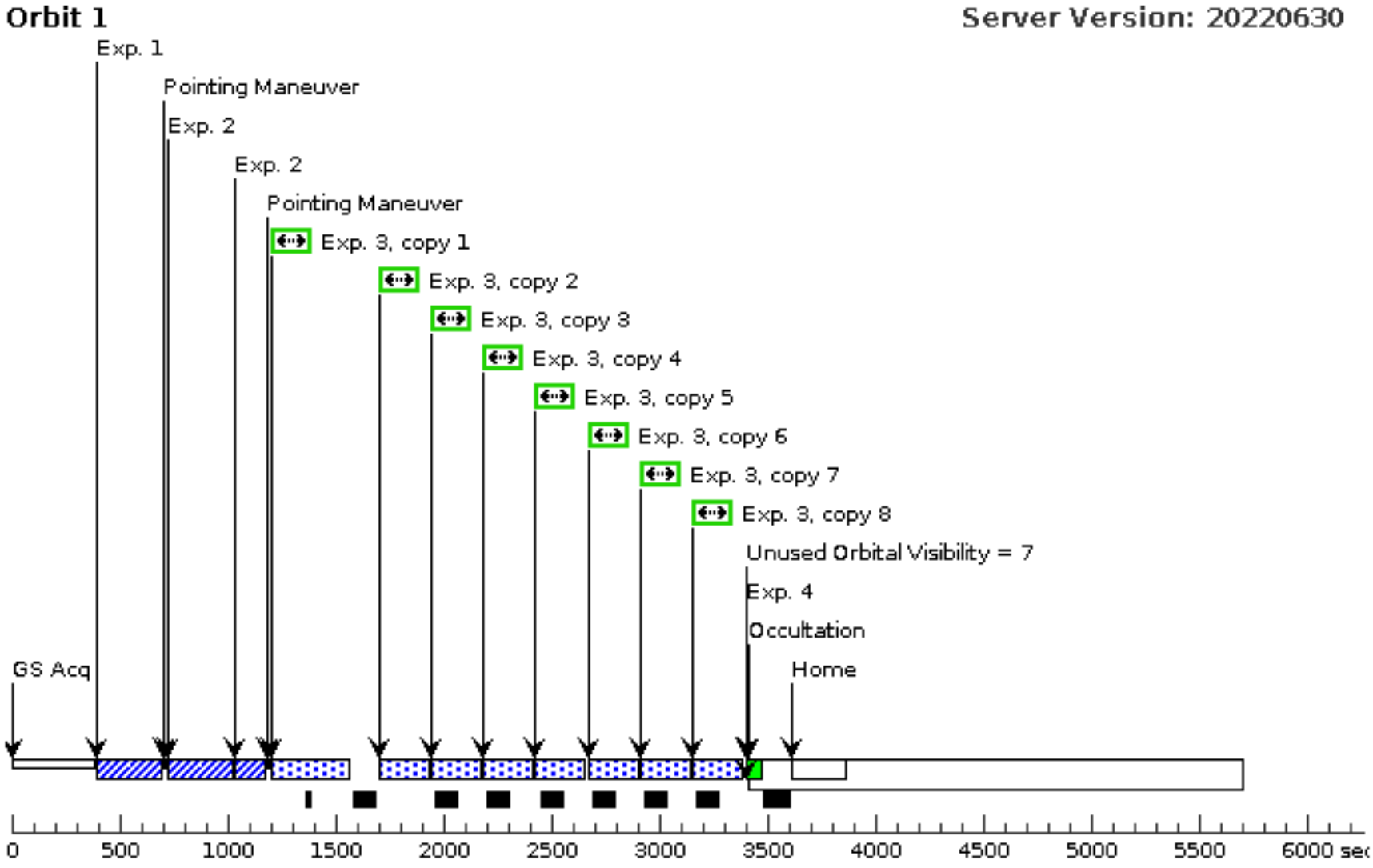
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	***[1]***
	Comments: Same as Program #13798 *SNR = 47. Time to saturation = 213 seconds*								
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	***[1]***
	Comments: Same as Program #13798 *SNR = 45. Time to saturation = 3.48 seconds*								
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 60	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	***[1]***
	Comments: Count rate entire detector is about ~160,000 (counts/s). *This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.*								
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 60	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 11, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER_09 BY 2 D TO 600 D; GROUP 11,12 WITHIN 1.1 Orbits

Diagnostics

(Visit 11) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

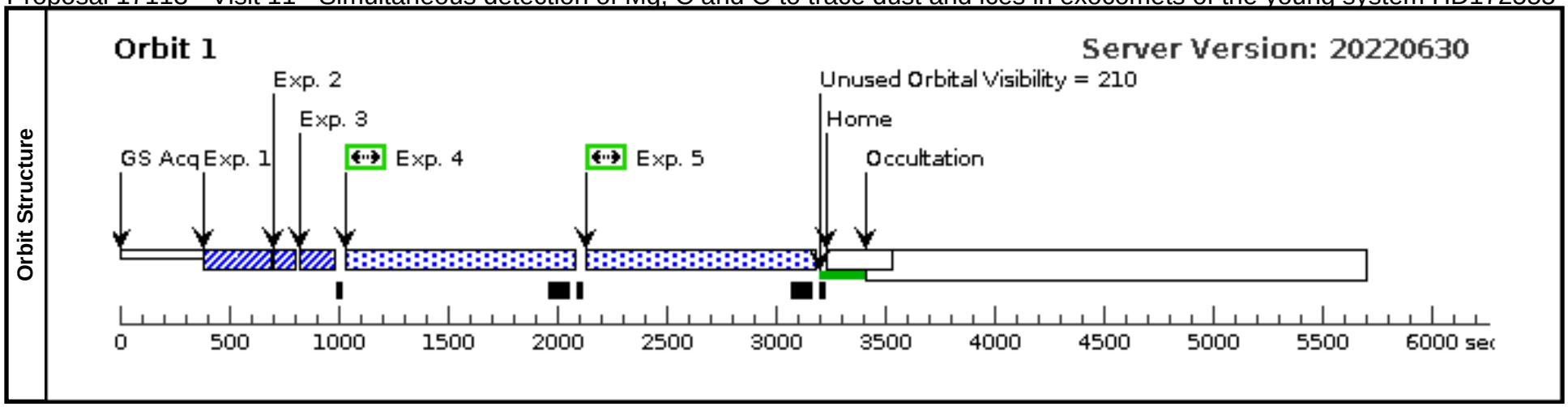
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 11	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 11	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 11	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 11	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
5	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 11	1000 Secs (1000 Secs) *[==>]*	 ***[1]***


Orbit Structure
Orbit 1
Server Version: 20220630
Exp. 2
Exp. 3
Unused Orbital Visibility = 210
Home
GS Acq
Exp. 1
Exp. 4
Exp. 5
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17113, Visit 12, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 09 BY 2 D TO 600 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***

Comments: Same as Program #13798
SNR = 47. Time to saturation = 213 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***

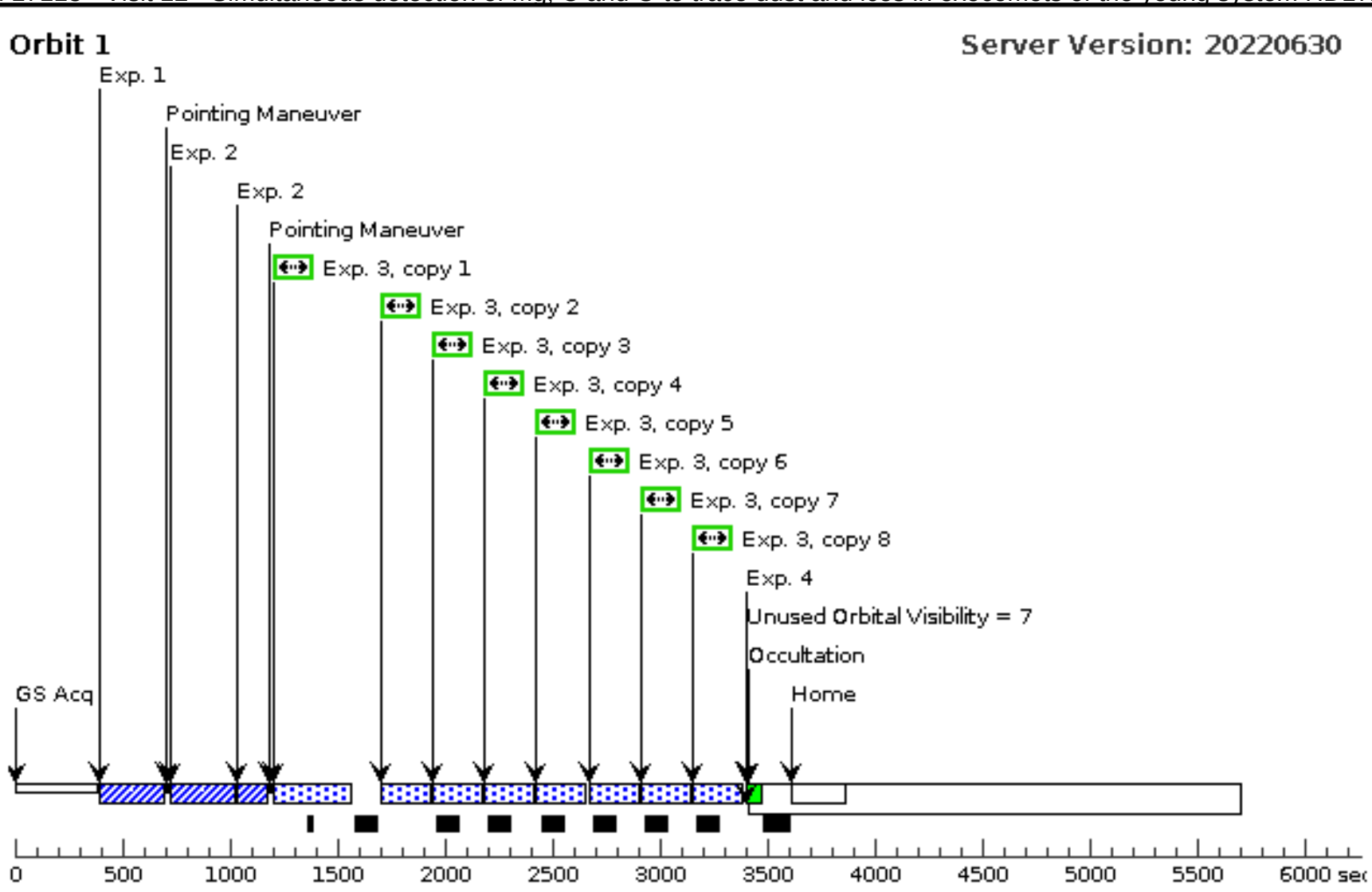
Comments: Same as Program #13798
SNR = 45. Time to saturation = 3.48 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 12	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***

Comments: Count rate entire detector is about ~160,000 (counts/s).
This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 12	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 13, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: AFTER 11 BY 2 D TO 600 D; GROUP 13,14 WITHIN 1.1 Orbits

Diagnostics

(Visit 13) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

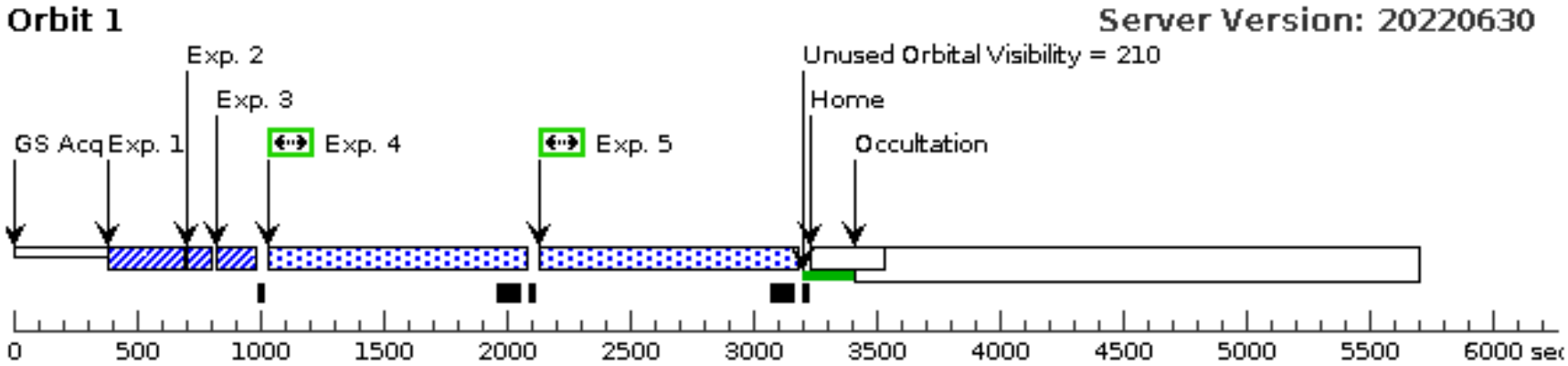
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 13	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 13	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.181 3268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 13	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 13	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
5	(COS.sp.181 2239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 13	1000 Secs (1000 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 14, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 11 BY 2 D TO 600 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	*[1]*

Comments: Same as Program #13798
SNR = 47. Time to saturation = 213 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	*[1]*

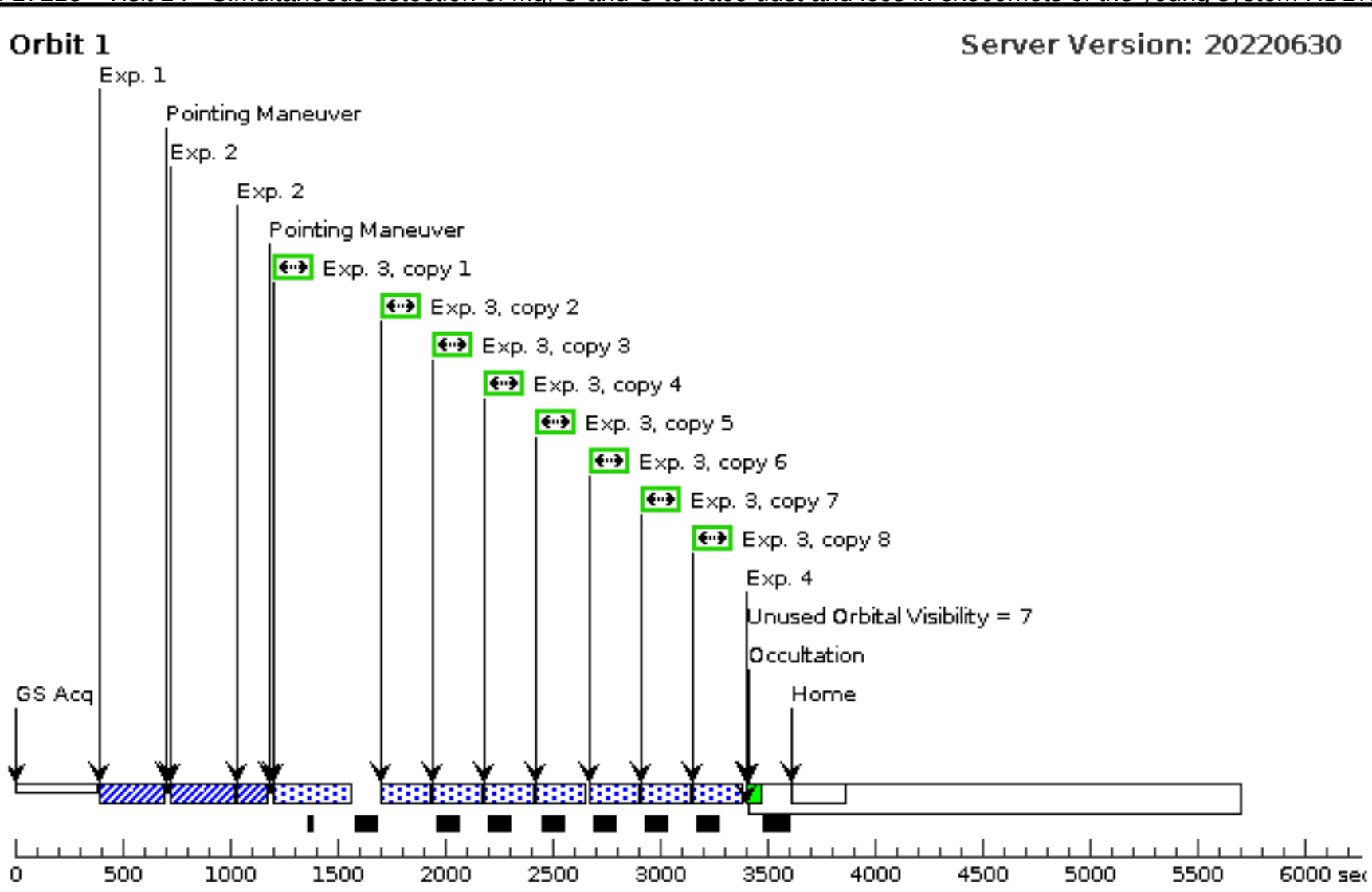
Comments: Same as Program #13798
SNR = 45. Time to saturation = 3.48 seconds

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 14	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	*[1]*

Comments: Count rate entire detector is about ~160,000 (counts/s).
This is below the bright limit at 200,000 counts/s, and the warming for irregularly-variable sources does not apply to our target which is a main sequence star.)

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 14	*[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17113, Visit 15, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: BETWEEN 01-JUN-2023:00:00:00 AND 02-JUL-2023:00:00:00; GROUP 15,16 WITHIN 1.1 Orbits

Comments: The timing requirement (June 1 to July 2, 2023) corresponds to TESS observations of the HD172555 sector.

Diagnostics

(Visit 15) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.

Fixed Targets

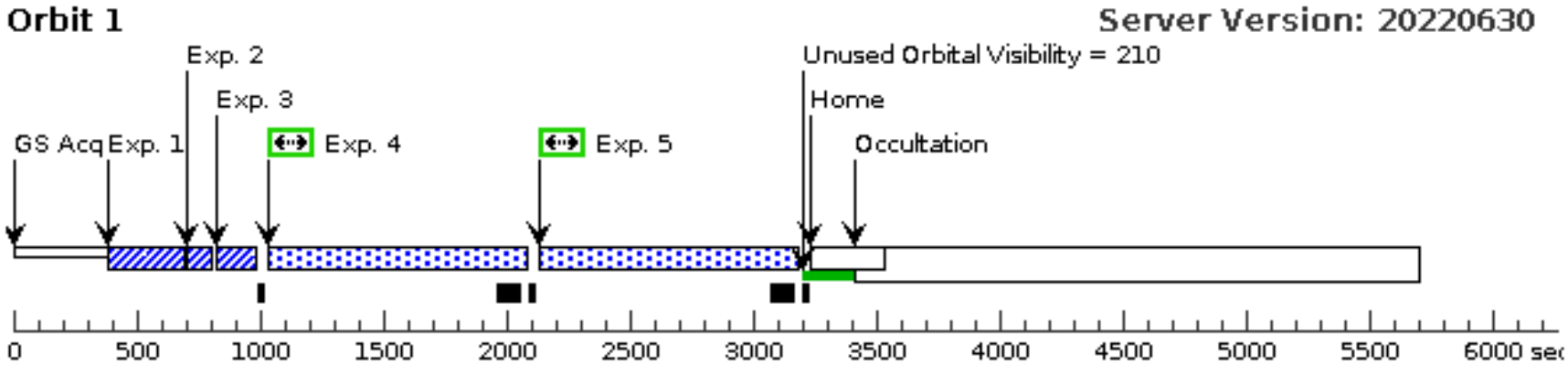
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=3		Sequence 1-5 Non-Int in Visit 15	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
2	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A			Sequence 1-5 Non-Int in Visit 15	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
3	(COS.sa.1813268)	(1) HD172555	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9		Sequence 1-5 Non-Int in Visit 15	1.5 Secs (1.5 Secs) *[==>]*	 ***[1]***
4	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=3; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 15	1000 Secs (1000 Secs) *[==>]*	 ***[1]***
5	(COS.sp.1812239)	(1) HD172555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=900; FP-POS=4; SEGMENT=BOTH		Sequence 1-5 Non-Int in Visit 15	1000 Secs (1000 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17113, Visit 16, completed Mon Jul 10 16:01:55 GMT 2023

Diagnostic Status: No Diagnostics

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

Special Requirements: BETWEEN 01-JUN-2023:00:00:00 AND 02-JUL-2023:00:00:00

Comments: The timing requirement (June 1 to July 2, 2023) corresponds to TESS observations of the HD172555 sector.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HD172555	RA: 18 45 26.9793 (281.3624138d) Dec: -64 52 18.86 (-64.87191d) Equinox: J2000	Proper Motion RA: 0.0050866206376107715 sec of time/yr Proper Motion Dec: -0.14947999993637495 arcsec/yr Epoch of Position: 2015.5	V=4.767	Reference Frame: ICRS

Comments: This object was generated by the target selector and retrieved from the SIMBAD database.
The ICRS keword has been filled by hand to avoid numerous useless warnings.
Category=STAR
Description=[A4-A9 V-IV, EXTRA-SOLAR PLANETARY SYSTEM]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.1813343)	(1) HD172555	STIS/CCD, ACQ, F25ND5	MIRROR				2 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: Same as Program #13798 *SNR = 47. Time to saturation = 213 seconds*								
2	(STIS.ta.1813339)	(1) HD172555	STIS/CCD, ACQ/PEAK, 0.3X0.05ND	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	 ***[1]***
	Comments: Same as Program #13798 *SNR = 45. Time to saturation = 3.48 seconds*								
3	(STIS.sp.1820547)	(1) HD172555	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A	WAVECAL=NO		Sequence 3-4 Non-Int in Visit 16	200 Secs X 8 (1752 Secs) *[==>219.0 Secs (Copy 1)]* *[==>219.0 Secs (Copy 2)]* *[==>219.0 Secs (Copy 3)]* *[==>219.0 Secs (Copy 4)]* *[==>219.0 Secs (Copy 5)]* *[==>219.0 Secs (Copy 6)]* *[==>219.0 Secs (Copy 7)]* *[==>219.0 Secs (Copy 8)]*	 ***[1]***
	Comments: Count rate entire detector < 45,000 (counts/s)								
4		WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H 2713 A			Sequence 3-4 Non-Int in Visit 16	*[==>]*	***[1]***

Orbit Structure