



15880 - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Cycle: 27, Proposal Category: GO

(UV Initiative)

(Availability Mode: AVAILABLE)

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>
01	(1) IC1613-B11	COS/FUV COS/NUV	2	14-Jul-2020 18:00:20.0	yes
02	(2) IC1613-A13	COS/FUV COS/NUV	1	14-Jul-2020 18:00:21.0	yes

Proposal 15880 (STScI Edit Number: 1, Created: Tuesday, July 14, 2020 at 5:00:49 PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
03	(4) IC1613-B3	COS/FUV	2	14-Jul-2020 18:00:23.0	yes
04	(6) IC1613-64066	COS/FUV	3	14-Jul-2020 18:00:24.0	yes
24	(6) IC1613-64066	COS/FUV	3	14-Jul-2020 18:00:26.0	yes
05	(7) IC1613-B2	COS/FUV COS/NUV	4	14-Jul-2020 18:00:27.0	yes
06	(7) IC1613-B2	COS/FUV COS/NUV	4	14-Jul-2020 18:00:29.0	yes
07	(8) IC1613-62024	COS/FUV COS/NUV	4	14-Jul-2020 18:00:30.0	yes
08	(8) IC1613-62024	COS/FUV COS/NUV	4	14-Jul-2020 18:00:31.0	yes
09	(15) IC1613-67684	COS/FUV COS/NUV	4	14-Jul-2020 18:00:33.0	yes
10	(16) IC1613-61331	COS/FUV COS/NUV	5	14-Jul-2020 18:00:34.0	yes
11	(10) IC1613-67559	COS/FUV COS/NUV	4	14-Jul-2020 18:00:36.0	yes
25	(10) IC1613-67559	COS/FUV COS/NUV	1	14-Jul-2020 18:00:37.0	yes
12	(11) SEXTANS-A-OB521	COS/FUV COS/NUV	4	14-Jul-2020 18:00:38.0	yes
22	(11) SEXTANS-A-OB521	COS/FUV COS/NUV	1	14-Jul-2020 18:00:39.0	yes
13	(11) SEXTANS-A-OB521	COS/FUV COS/NUV	4	14-Jul-2020 18:00:40.0	yes
14	(12) SEXTANS-A-OB523	COS/FUV COS/NUV	4	14-Jul-2020 18:00:41.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
15	(12) SEXTANS-A-OB523	COS/FUV COS/NUV	4	14-Jul-2020 18:00:42.0	yes
16	(13) SEXTANS-A-OB321	COS/FUV COS/NUV	4	14-Jul-2020 18:00:43.0	yes
17	(13) SEXTANS-A-OB321	COS/FUV COS/NUV	4	14-Jul-2020 18:00:44.0	yes
18	(13) SEXTANS-A-OB321	COS/FUV COS/NUV	3	14-Jul-2020 18:00:45.0	yes
23	(13) SEXTANS-A-OB321	COS/FUV COS/NUV	2	14-Jul-2020 18:00:46.0	yes
19	(17) SEXTANS-A-OB326	COS/FUV COS/NUV	5	14-Jul-2020 18:00:47.0	yes
20	(17) SEXTANS-A-OB326	COS/FUV COS/NUV	5	14-Jul-2020 18:00:48.0	yes
21	(17) SEXTANS-A-OB326	COS/FUV COS/NUV	3	14-Jul-2020 18:00:49.0	yes

84 Total Orbits Used

ABSTRACT

A key component of the baryon cycle is the depletion of metals between the gas and dust phases in the neutral ISM. Our understanding of the dust and gas contents of galaxies via dust emission-based gas mass estimates and of the chemical enrichment of the Universe via spectroscopy of damped Lyman-alpha systems (DLAs) critically relies on the characterization of the variations of the dust-to-metal mass ratio (D/M) with environment (metallicity, density, morphology). This understanding must be built in the nearby universe, where both gas-phase abundances and photospheric abundances of young stars recently formed out of the ISM can be measured. We propose to obtain COS G130M spectra toward 14 massive stars in IC 1613 ($Z=0.15 Z_{\text{sun}}$) and Sextans-A ($Z=0.08 Z_{\text{sun}}$), lower than the critical metallicity at which chemical evolution models predict D/M decreases steeply with metallicity. The COS spectra will be used to derive interstellar depletions of iron and sulfur, from which D/M and the dust-to-gas mass ratio (D/G) will be inferred. Combined with depletion measurements available in the Milky Way, LMC ($0.5 Z_{\text{sun}}$), and SMC ($0.2 Z_{\text{sun}}$), we will be able for the first time to measure depletions, D/G, and D/M as a function of metallicity down to $0.08 Z_{\text{sun}}$, and enable a comprehensive

characterization of the lifecycle of metals in neutral gas and dust in galaxies, thereby observationally addressing important questions about chemical enrichment and galaxy evolution. In particular, this program will provide the depletion calibrations required to interpret DLA metallicity measurements, and substantially improve the accuracy of dust-based gas-mass estimates at low and high redshift.

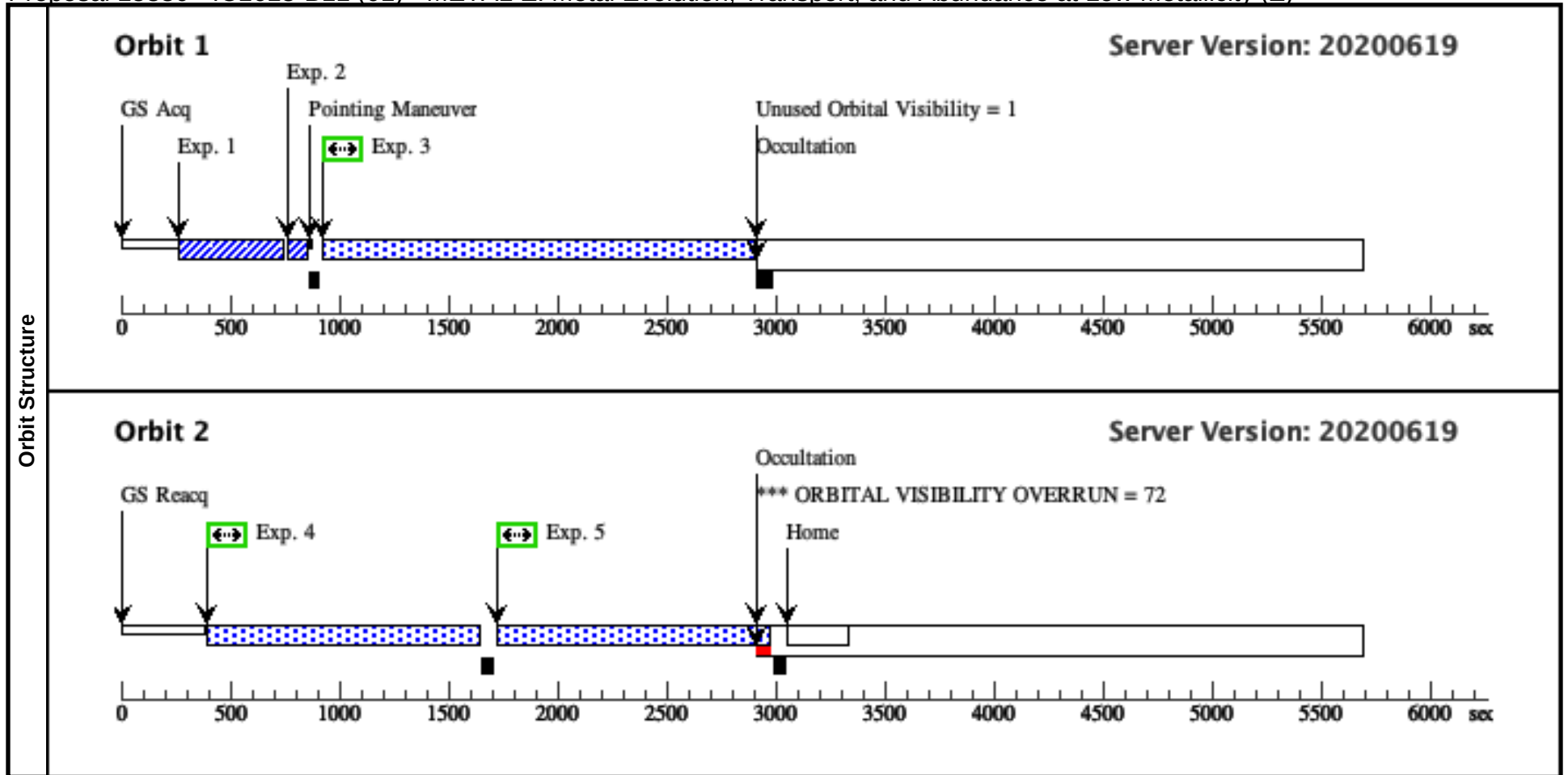
OBSERVING DESCRIPTION

We will observe 7 massive stars in IC 1613 ($Z = 0.15 Z_{\text{sun}}$) and 4 massive stars in Sextans A ($Z = 0.087 Z_{\text{sun}}$) with COS/G130M/1291 (LP4) and 1309 (LP3). The LP4 observations will allow us to derive gas phase column densities of iron (using the 1142-1144 Å lines) and sulfur (1250, 1253 Å lines). The LP3 observations will allow us to measure the column density of HI along the same lines of sight using lorentzian profile fitting of the 1216 Å line. Lyman-alpha based HI column densities cannot be obtained at LP4 as the 1216 Å line falls in the gap of the 1222 and the gain-sag gap of the 1291. Using the 1309 at LP3 will give us the most margin on either side of the lines to measure how the absorption trough recovers to the continuum in damped wings of the line.

The COS/FUV modal gain at LP3 will be declining with usage. We will work with the COS team to ensure that, by the time these observations are taken, the modal gain at LP3 is still sufficiently above 3 to enable observations of Lyman-alpha absorption with the 1309.

Proposal 15880 - IC1613-B11 (01) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, IC1613-B11 (01), completed										Tue Jul 14 22:00:49 GMT 2020			
	Diagnostic Status: Warning													
	Scientific Instruments: COS/FUV, COS/NUV													
	Special Requirements: SCHED 100%													
Diagnostics	(IC1613-B11 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous					
	(1)	IC1613-B11	RA: 01 04 43.8000 (16.1825000d)				V=18.68		Reference Frame: ICRS					
			Dec: +02 06 44.75 (2.11243d)				O9.5I							
			Equinox: J2000											
	Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO													
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit			
	1	IC1613-B11 -TA/SEARC H (COS.ta.136 9907)	(1) IC1613-B11	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR			8 Secs (8 Secs) [==>]		 [1]			
	2	IC1613-B11 -TA (COS.ta.136 9908)	(1) IC1613-B11	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				1.5 Secs (1.5 Secs) [==>]		 [1]			
	3	IC1613-B11 -1291 (COS.sp.137 0595)	(1) IC1613-B11	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=30 00; LIFETIME-POS=L P4			1810 Secs (1810 Secs) [==>]		 [1]			
	4	IC1613-B11 -1291 (COS.sp.137 0595)	(1) IC1613-B11	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=30 00; LIFETIME-POS=L P4			1200 Secs (1200 Secs) [==>]		 [2]			
	5	IC1613-B11 -1291 (COS.sp.137 0595)	(1) IC1613-B11	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=30 00; LIFETIME-POS=L P4			1200 Secs (1200 Secs) [==>]		 [2]			



Proposal 15880 - IC1613-A13 (02) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, IC1613-A13 (02), completed Tue Jul 14 22:00:50 GMT 2020									
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	IC1613-A13	RA: 01 05 6.2500 (16.2760417d) Dec: +02 10 43.00 (2.17861d) Equinox: J2000		V=19.02 O4	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	IC1613-A13 -TA/SEARCAH (COS.ta.136 9909)	(2) IC1613-A13	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR			7 Secs (7 Secs) [==>]	[1]
	2	IC1613-A13 -TA (COS.ta.136 9910)	(2) IC1613-A13	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				1.5 Secs (1.5 Secs) [==>]	[1]
	3	IC1613-A13 -1291/FP3 (COS.sp.136 5769)	(2) IC1613-A13	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=1900; LIFETIME-POS=L P4			800 Secs (800 Secs) [==>]	[1]
	4	IC1613-A13 -1291/FP4 (COS.sp.136 5769)	(2) IC1613-A13	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=1900; LIFETIME-POS=L P4			880 Secs (880 Secs) [==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20200619									

Proposal 15880 - IC1613-B3 (03) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

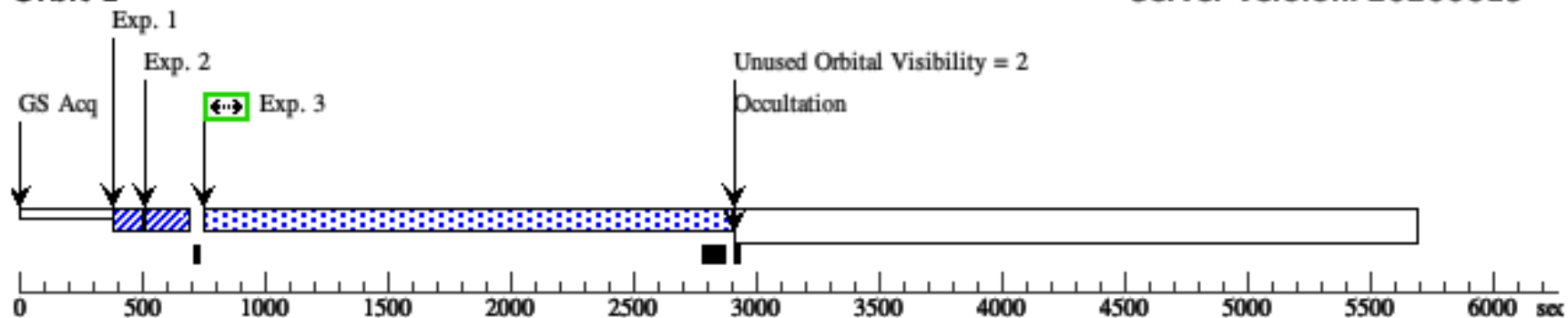
Visit	Proposal 15880, IC1613-B3 (03), completed Tue Jul 14 22:00:50 GMT 2020				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%				
Diagnosics	(IC1613-B3 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	IC1613-B3	RA: 01 05 6.3700 (16.2765417d) Dec: +02 09 31.34 (2.15871d) Equinox: J2000		V=17.81 B0Ia
Comments: Category=EXT-STAR Description=[B0-B2 III-I] Extended=NO					
Reference Frame: ICRS					

Proposal 15880 - IC1613-B3 (03) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IC1613-B3- PEAKXD (COS.sa.136 9913)	(4) IC1613-B3	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	NUM-POS=3; CENTER=FLUX-W T; STEP-SIZE=1.3; LIFETIME-POS=L P4			6.3 Secs (6.3 Secs) [==>]	[1]
	2	IC1613-B3- PEAKD (COS.sa.136 9913)	(4) IC1613-B3	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-W T-FLR; LIFETIME-POS=L P4			6.3 Secs (6.3 Secs) [==>]	[1]
	3	IC1613-B3- 1291 (COS.sp.136 5770)	(4) IC1613-B3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=20 00; LIFETIME-POS=L P4			2100 Secs (2100 Secs) [==>]	[1]
	4	IC1613-B3- 1291 (COS.sp.136 5770)	(4) IC1613-B3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=20 00; LIFETIME-POS=L P4			1023 Secs (1023 Secs) [==>]	[2]
	5	IC1613-B3- LP3/1309/F P1 (COS.sp.136 9027)	(4) IC1613-B3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; BUFFER-TIME=20 00; LIFETIME-POS=L P3			240 Secs (240 Secs) [==>]	[2]
	6	IC1613-B3- LP3/1309/F P2 (COS.sp.136 9027)	(4) IC1613-B3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; BUFFER-TIME=20 00; LIFETIME-POS=L P3			240 Secs (240 Secs) [==>]	[2]
	7	IC1613-B3- LP3/1309/F P3 (COS.sp.136 9027)	(4) IC1613-B3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=3; BUFFER-TIME=20 00; LIFETIME-POS=L P3			240 Secs (240 Secs) [==>]	[2]
	8	IC1613-B3- LP3/1309/F P4 (COS.sp.136 9027)	(4) IC1613-B3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; BUFFER-TIME=20 00; LIFETIME-POS=L P3			240 Secs (240 Secs) [==>]	[2]

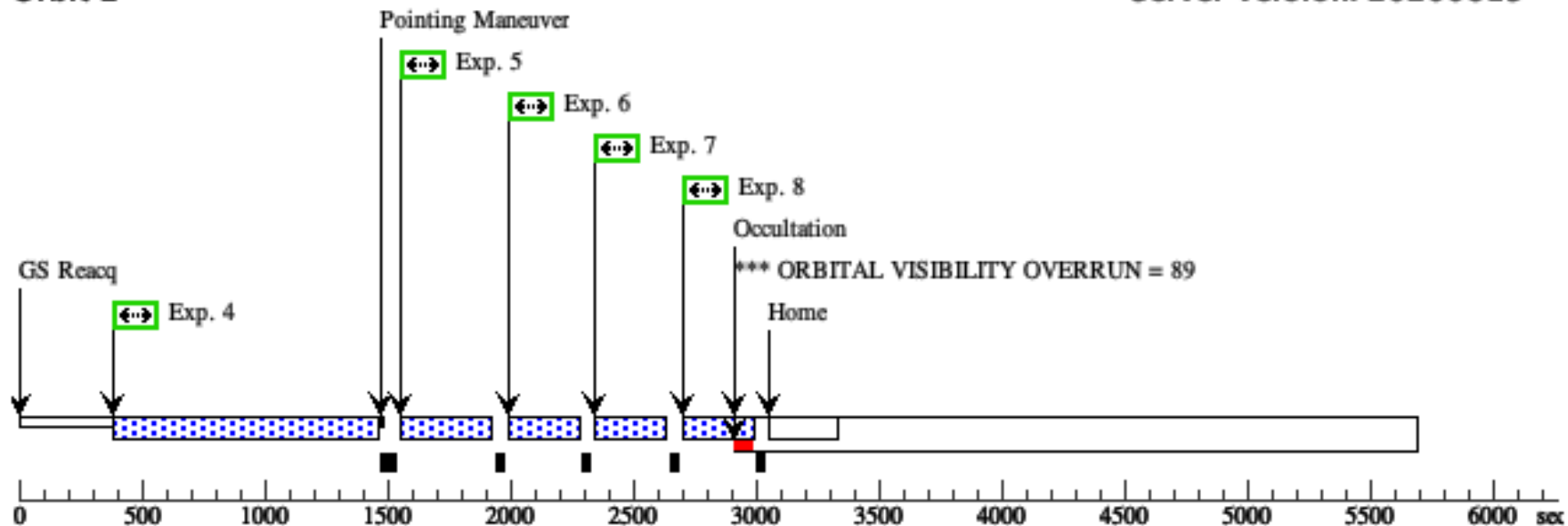
Orbit 1

Server Version: 20200619



Orbit 2

Server Version: 20200619



Proposal 15880 - IC1613-64066 (04) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

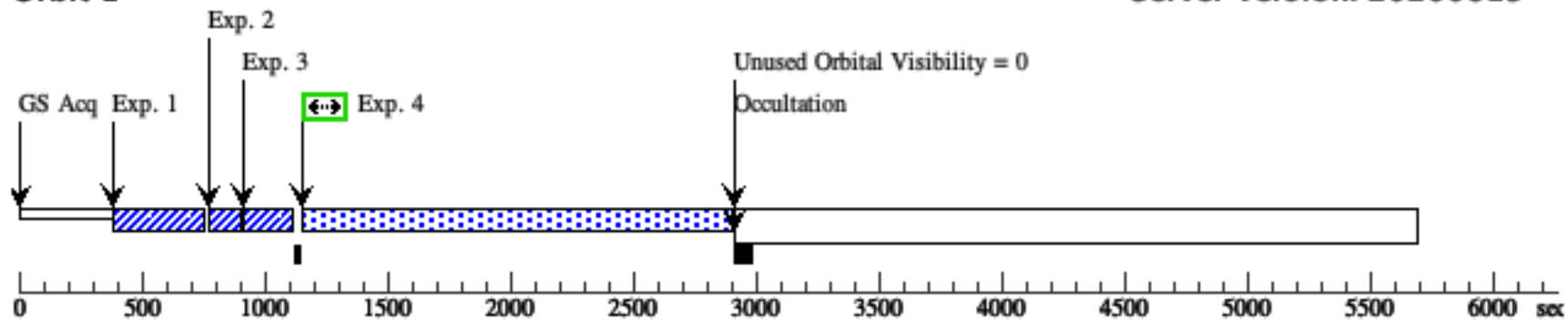
Visit	Proposal 15880, IC1613-64066 (04), failed					Tue Jul 14 22:00:50 GMT 2020
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV					
	Special Requirements: SCHED 100%					
Diagnostics	(IC1613-64066 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(IC1613-64066 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	IC1613-64066	RA: 01 05 2.0700 (16.2586250d)		V=19.03	Reference Frame: ICRS
			Dec: +02 09 28.10 (2.15781d)		O3III	
			Equinox: J2000			
		Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO				

Proposal 15880 - IC1613-64066 (04) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IC1613-640 66-TA/SEA RCH (COS.sa.137 1812)	(6) IC1613-64066	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	LIFETIME-POS=LP 4; SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR			9 Secs (9 Secs) [==>]	[1]
	2	IC1613-640 66-TA (COS.sa.137 1812)	(6) IC1613-64066	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	NUM-POS=3; LIFETIME-POS=L P4; STEP-SIZE=1.3; CENTER=FLUX-W T			9 Secs (9 Secs) [==>]	[1]
	3	IC1613-640 66-TA (COS.sa.137 1812)	(6) IC1613-64066	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	LIFETIME-POS=LP 4; NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-W T-FLR			9 Secs (9 Secs) [==>]	[1]
	4	IC1613-640 66-1291/FP 3 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			1696 Secs (1696 Secs) [==>]	[1]
	5	IC1613-640 66-1291/FP 3 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			600 Secs (600 Secs) [==>]	[2]
	6	IC1613-640 66-1291/FP 4 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			1837 Secs (1837 Secs) [==>]	[2]
	7	IC1613-640 66-1291/FP 4 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			412 Secs (412 Secs) [==>]	[3]
	8	IC1613-640 66-LP3/130 9 (COS.sp.136 9065)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=ALL; LIFETIME-POS=L P3; BUFFER-TIME=30 00			400 Secs (1600 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[3]

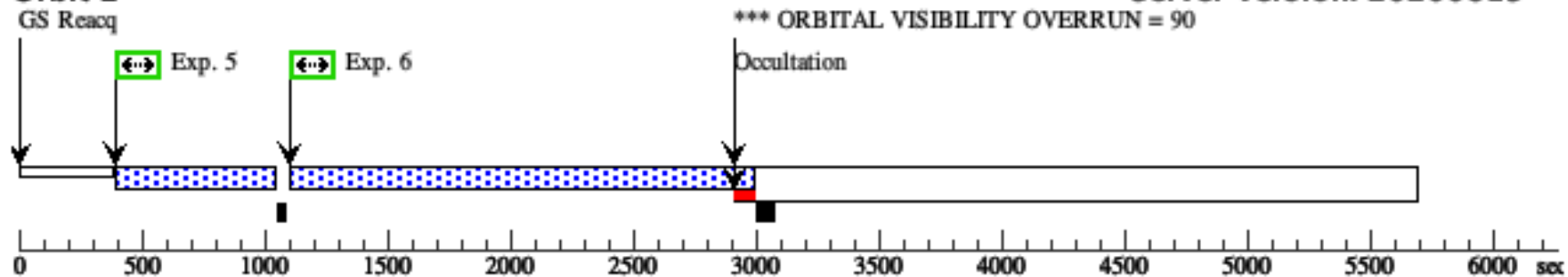
Orbit 1

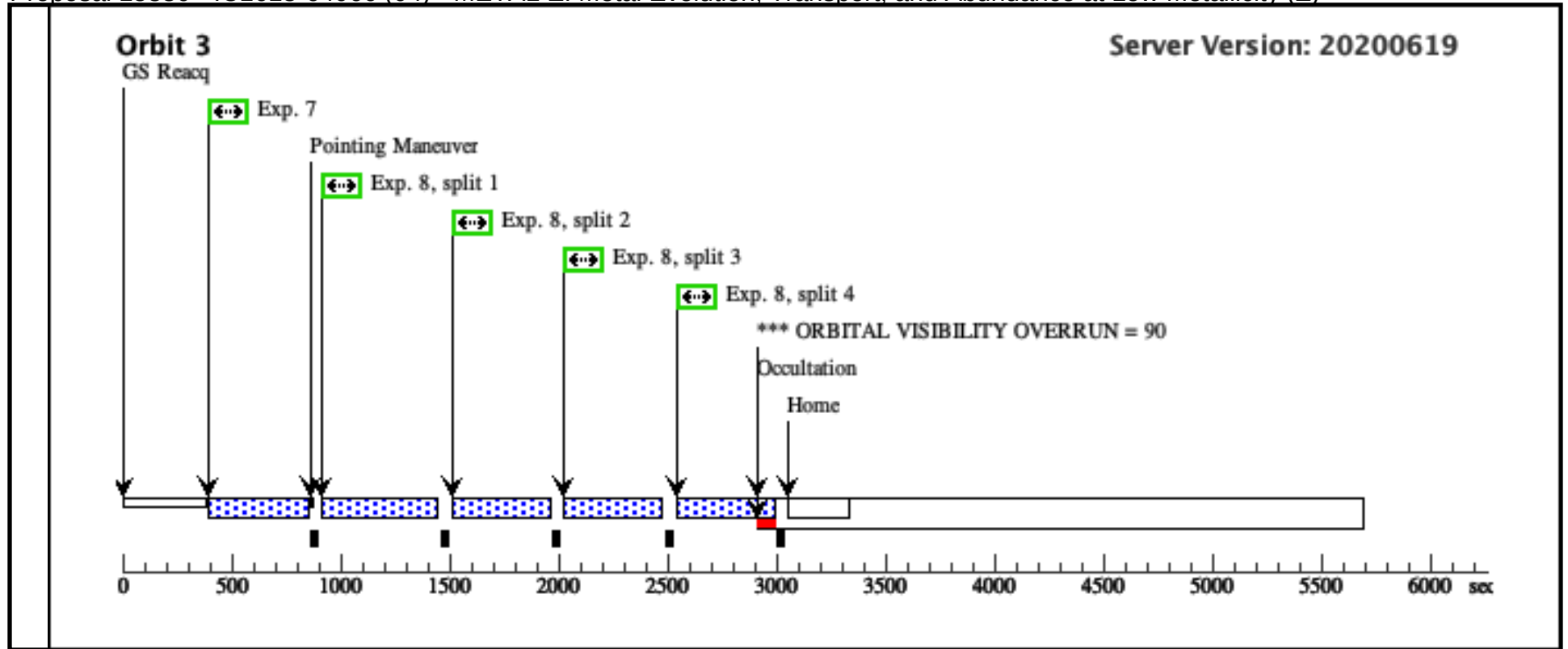
Server Version: 20200619



Orbit 2

Server Version: 20200619





Proposal 15880 - IC1613-64066 -Repeat (24) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

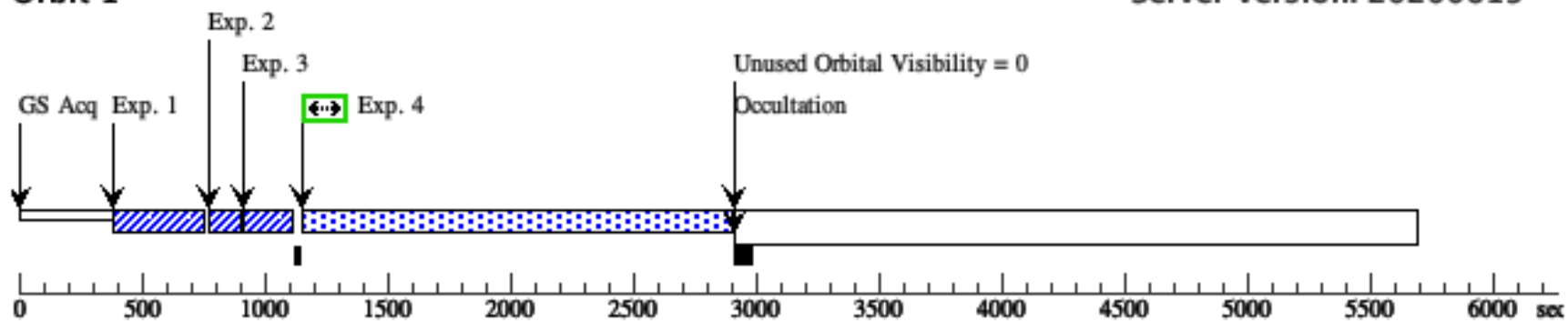
Visit	Proposal 15880, IC1613-64066 -Repeat (24), scheduling Tue Jul 14 22:00:50 GMT 2020				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100% <i>Comments: Repeat of Visit 04</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(6)	IC1613-64066	RA: 01 05 2.0700 (16.2586250d) Dec: +02 09 28.10 (2.15781d) Equinox: J2000		V=19.03 O3III
<i>Comments:</i> Category=EXT-STAR Description=[GIANT O] Extended=NO					
Miscellaneous Reference Frame: ICRS					

Proposal 15880 - IC1613-64066 -Repeat (24) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IC1613-640 66-TA/SEA RCH (COS.sa.137 1812)	(6) IC1613-64066	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	LIFETIME-POS=LP 4; SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR			9 Secs (9 Secs) [==>]	[1]
	2	IC1613-640 66-TA (COS.sa.137 1812)	(6) IC1613-64066	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	NUM-POS=3; LIFETIME-POS=L P4; STEP-SIZE=1.3; CENTER=FLUX-W T			9 Secs (9 Secs) [==>]	[1]
	3	IC1613-640 66-TA (COS.sa.137 1812)	(6) IC1613-64066	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	LIFETIME-POS=LP 4; NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-W T-FLR			9 Secs (9 Secs) [==>]	[1]
	4	IC1613-640 66-1291/FP 3 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			1696 Secs (1696 Secs) [==>]	[1]
	5	IC1613-640 66-1291/FP 3 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			600 Secs (600 Secs) [==>]	[2]
	6	IC1613-640 66-1291/FP 4 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			1747 Secs (1747 Secs) [==>]	[2]
	7	IC1613-640 66-1291/FP 4 (COS.sp.136 9058)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			412 Secs (412 Secs) [==>]	[3]
	8	IC1613-640 66-LP3/130 9 (COS.sp.136 9065)	(6) IC1613-64066	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=ALL; LIFETIME-POS=L P3; BUFFER-TIME=30 00			377 Secs (1508 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[3]

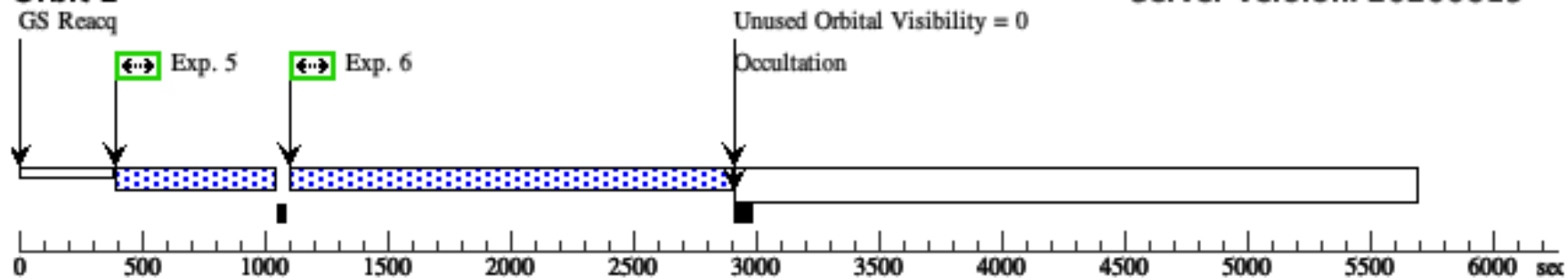
Orbit 1

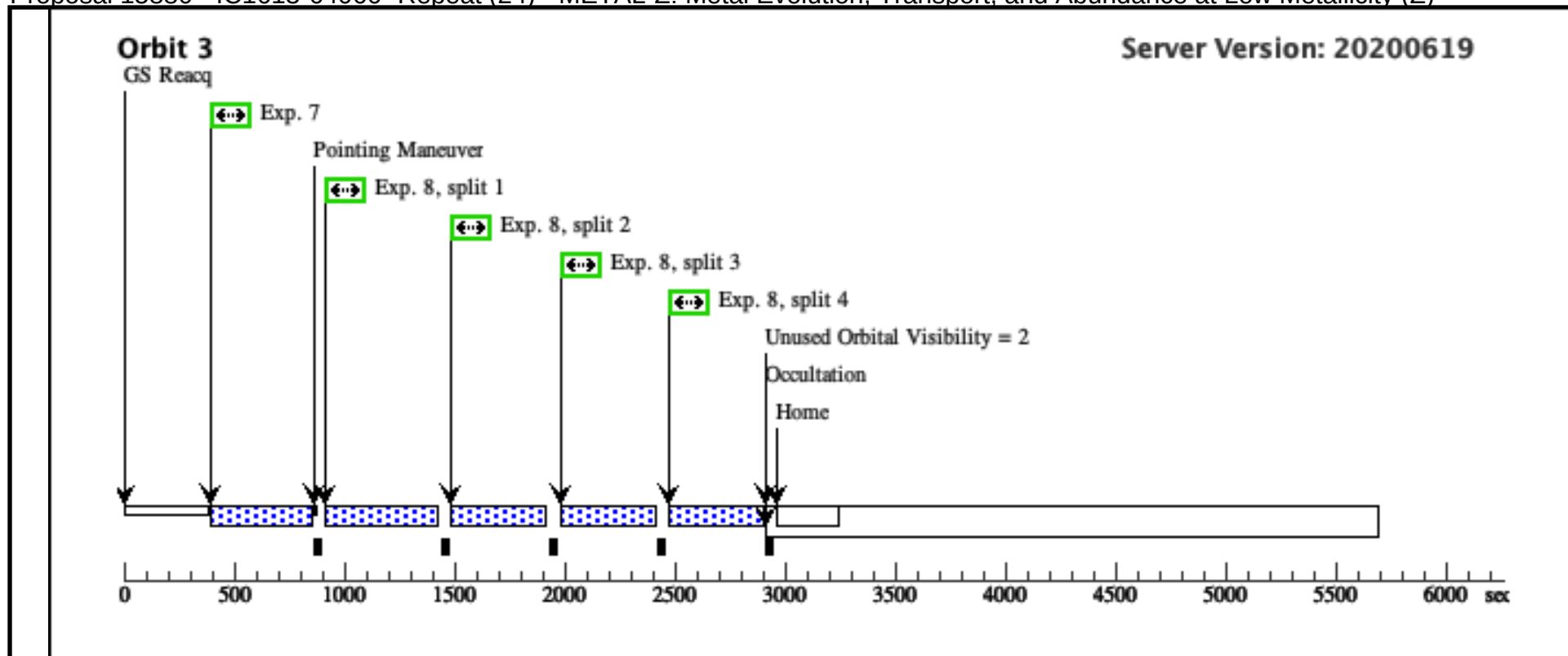
Server Version: 20200619



Orbit 2

Server Version: 20200619





Proposal 15880 - IC1613-B2-FP3 (05) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

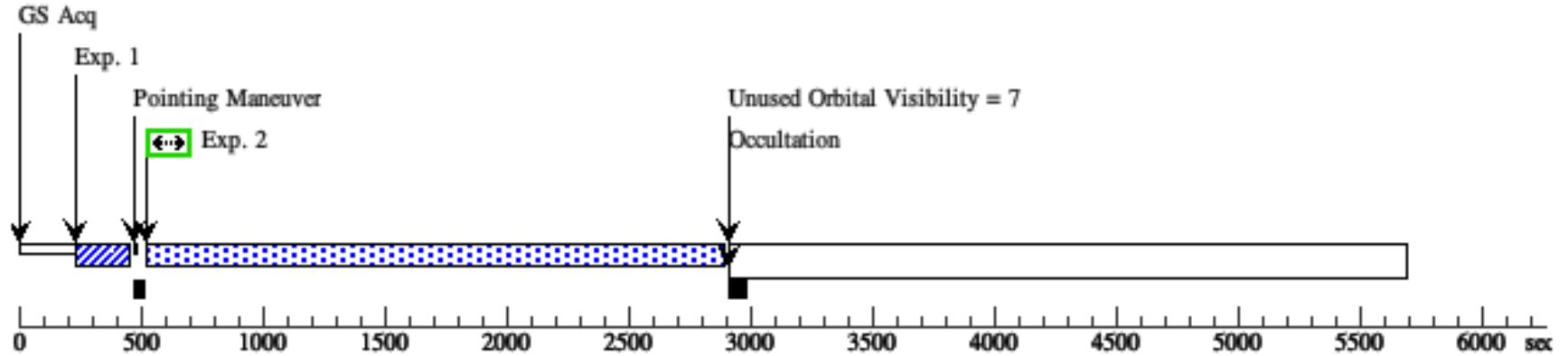
Visit	Proposal 15880, IC1613-B2-FP3 (05), completed Tue Jul 14 22:00:50 GMT 2020				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%				
Diagnostics	(IC1613-B2-FP3 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (IC1613-B2-FP3 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (IC1613-B2-FP3 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(7)	IC1613-B2	RA: 01 05 3.0680 (16.2627833d) Dec: +02 10 4.54 (2.16793d) Equinox: J2000		V=19.6 O7.5III-V; E(B-V) = 0.12
Fixed Targets	Comments: Category=EXT-STAR Description=[GIANT O, MAIN SEQUENCE O] Extended=NO				
	Reference Frame: ICRS				

Proposal 15880 - IC1613-B2-FP3 (05) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IC1613-B2- TA (COS.ta.136 9918)	(7) IC1613-B2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs) [==>]	[1]
	2	IC1613-B2- 1291/FP3 (COS.sp.136 5777)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2200 Secs (2200 Secs) [==>]	[1]
	3	IC1613-B2- 1291/FP3 (COS.sp.136 5777)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]	[2]
	4	IC1613-B2- 1291/FP3 (COS.sp.136 5777)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			1100 Secs (1100 Secs) [==>]	[3]
	5	IC1613-B2- LP3/1309/F P1 (COS.sp.136 9033)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1200 Secs (1200 Secs) [==>]	[3]
	6	IC1613-B2- LP3/1309/F P2 (COS.sp.136 9033)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1200 Secs (1200 Secs) [==>]	[4]
	7	IC1613-B2- LP3/1309/F P3 (COS.sp.136 9033)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1200 Secs (1200 Secs) [==>]	[4]

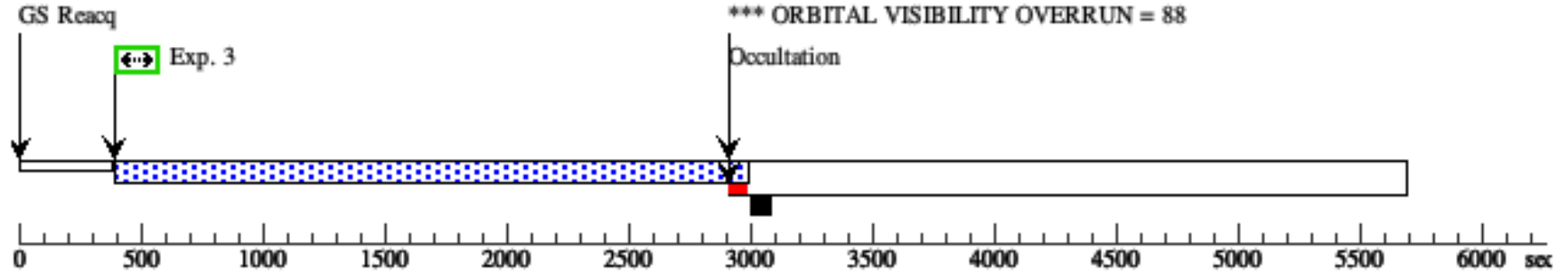
Orbit 1

Server Version: 20200619



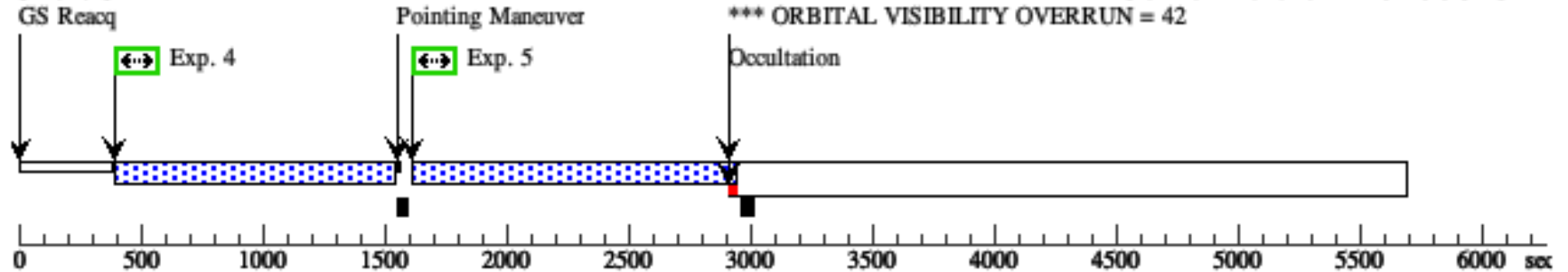
Orbit 2

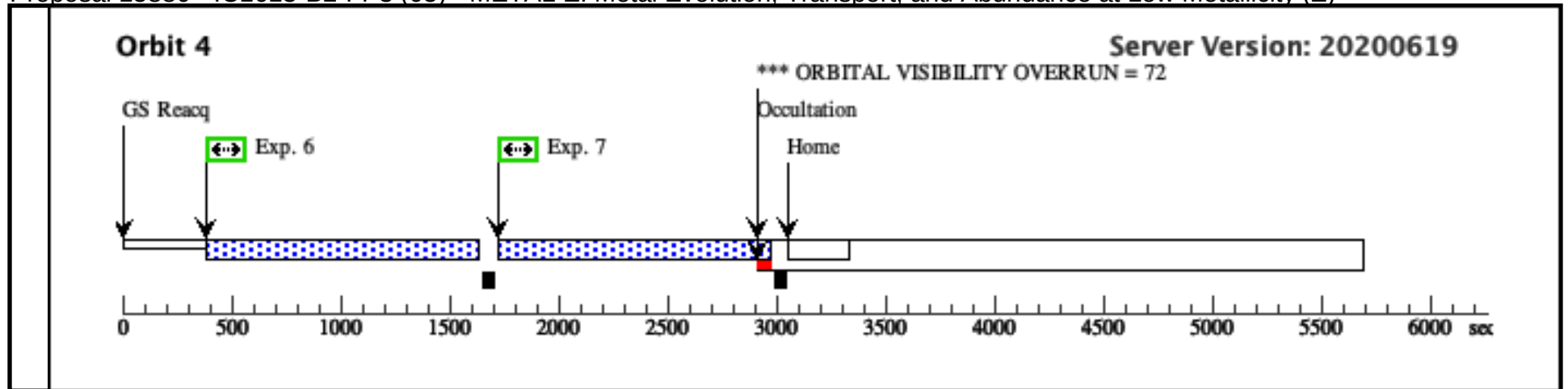
Server Version: 20200619



Orbit 3

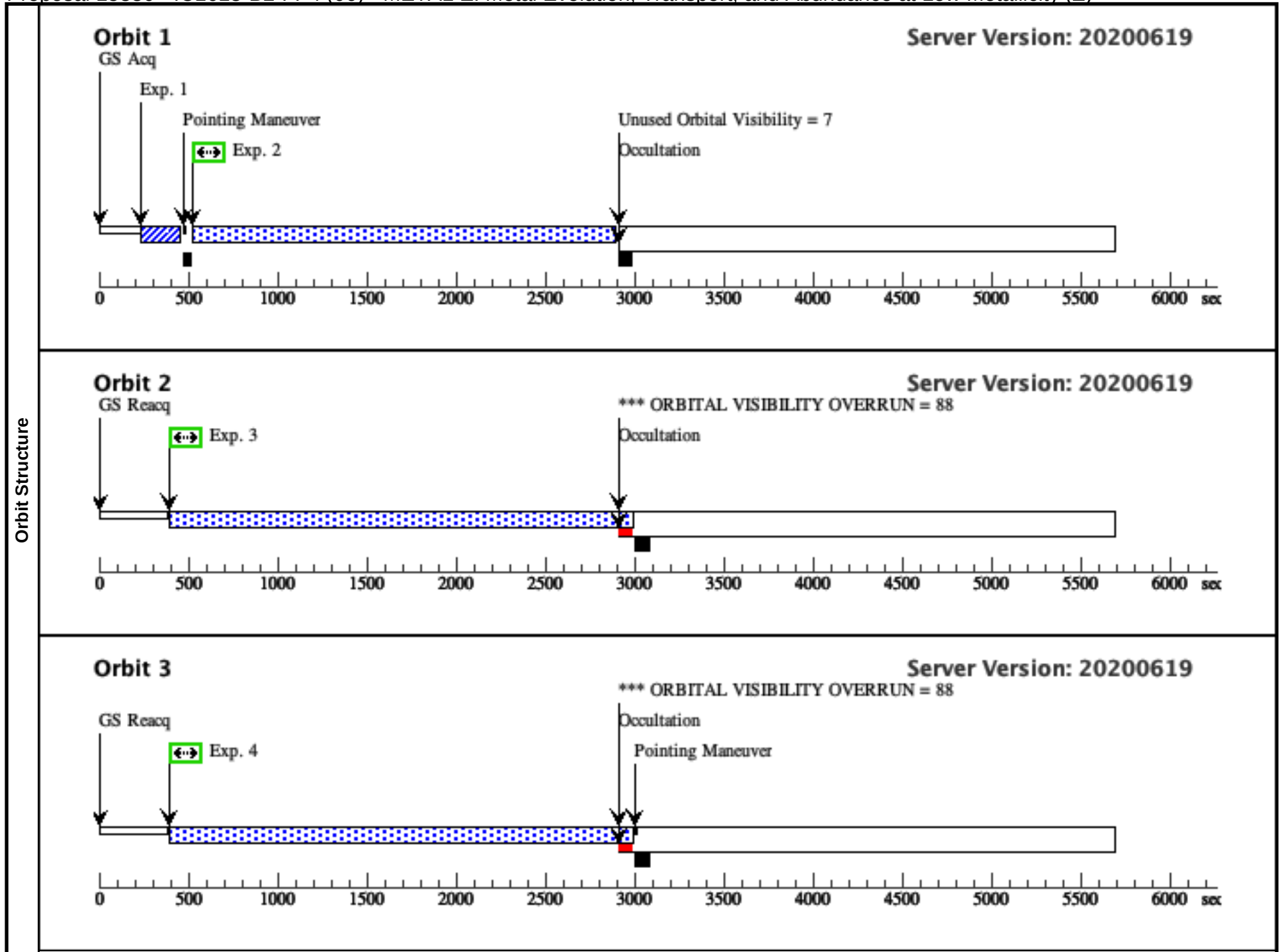
Server Version: 20200619

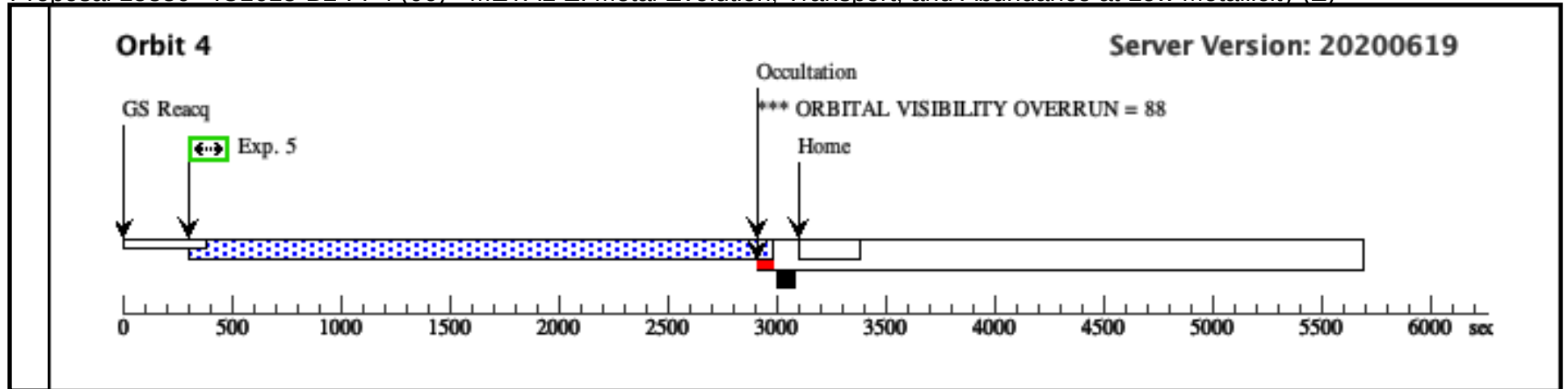




Proposal 15880 - IC1613-B2-FP4 (06) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

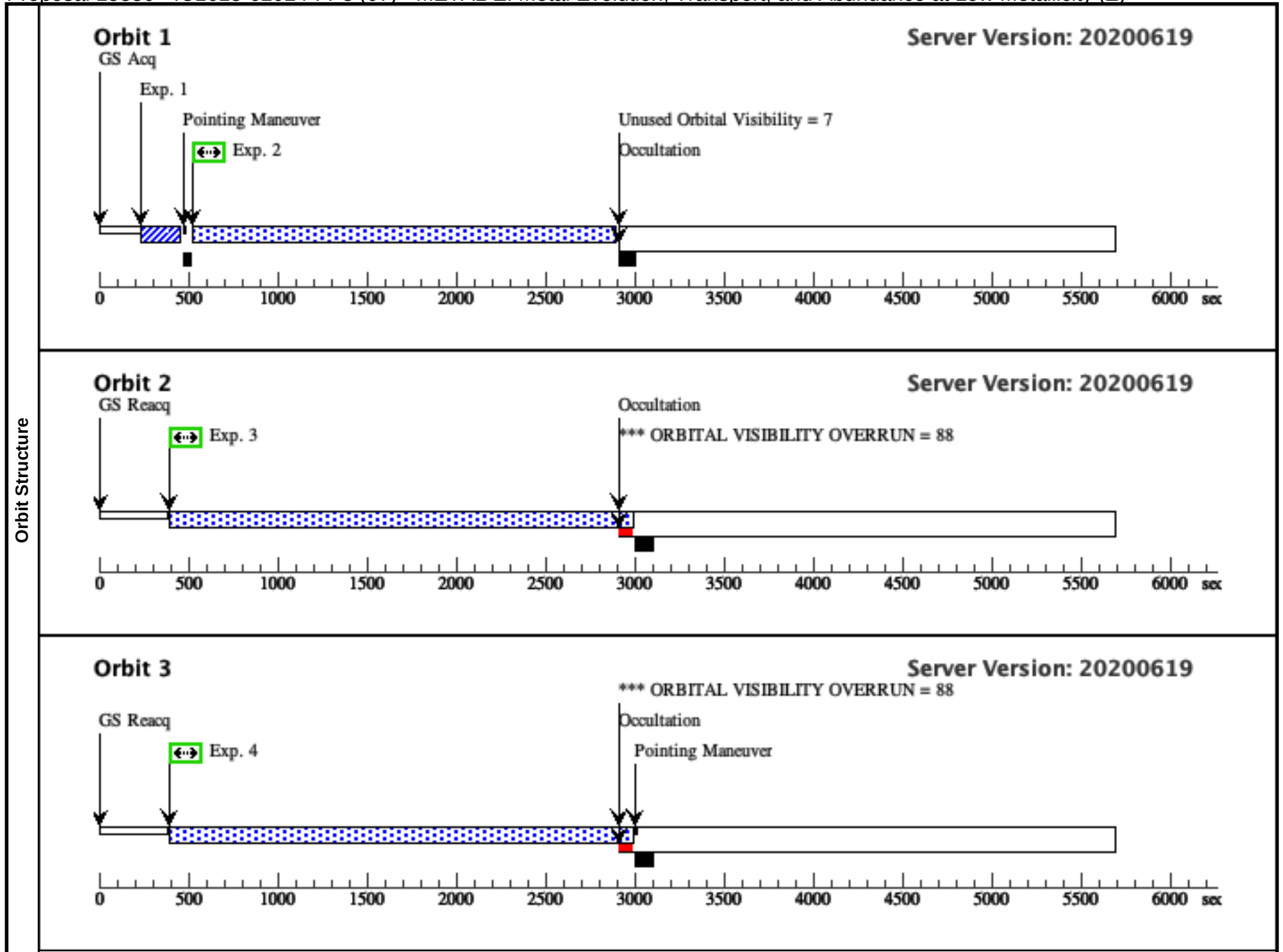
Visit	Proposal 15880, IC1613-B2-FP4 (06), completed										Tue Jul 14 22:00:50 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(IC1613-B2-FP4 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(IC1613-B2-FP4 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(IC1613-B2-FP4 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(7)	IC1613-B2	RA: 01 05 3.0680 (16.2627833d) Dec: +02 10 4.54 (2.16793d) Equinox: J2000				V=19.6 O7.5III-V; E(B-V) = 0.12		Reference Frame: ICRS			
	Comments: Category=EXT-STAR Description=[GIANT O, MAIN SEQUENCE O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	IC1613-B2-TA (COS.ta.136 9918)	(7) IC1613-B2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs) [==>]		[1]	
	2	IC1613-B2-1291/FP4 (COS.sp.136 5777)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2200 Secs (2200 Secs) [==>]		[1]	
	3	IC1613-B2-1291/FP4 (COS.sp.136 5777)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]		[2]	
	4	IC1613-B2-1291/FP4 (COS.sp.136 5777)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]		[3]	
	5	IC1613-B2-LP3/1309/F P4 (COS.sp.136 9033)	(7) IC1613-B2	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]		[4]	

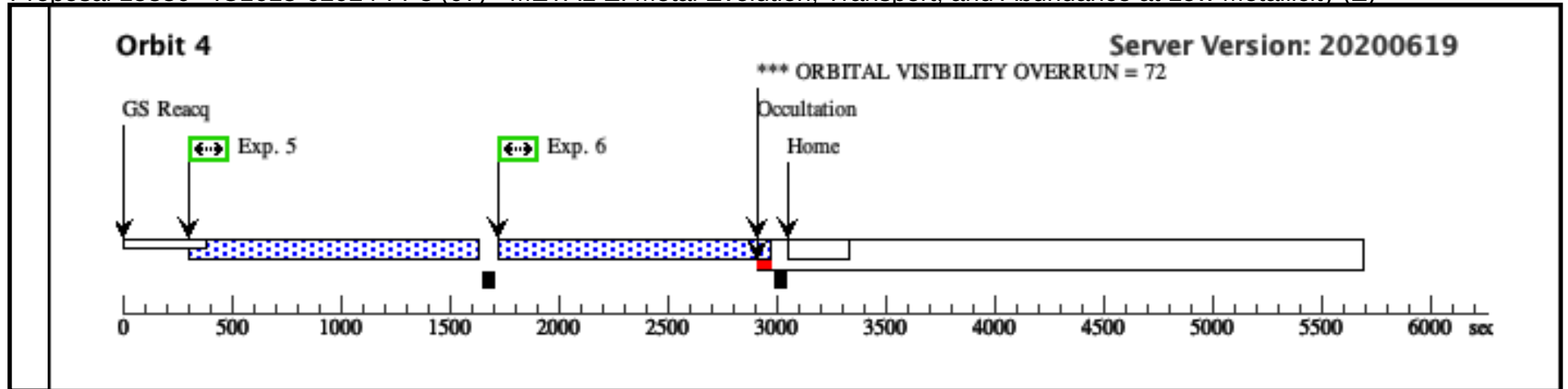




Proposal 15880 - IC1613-62024-FP3 (07) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, IC1613-62024-FP3 (07), completed										Tue Jul 14 22:00:50 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(IC1613-62024-FP3 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(IC1613-62024-FP3 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(IC1613-62024-FP3 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(8)	IC1613-62024	RA: 01 05 0.6460 (16.2526917d) Dec: +02 08 49.26 (2.14702d) Equinox: J2000				V=19.6 O6.5III; E(B-V) = 0.15		Reference Frame: ICRS			
	Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	IC1613-620 24-TA (COS.ta.136 9918)	(8) IC1613-62024	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs)			
									[==>]		[1]	
	2	IC1613-620 24-1291/FP 3 (COS.sp.136 5780)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=27 00			2200 Secs (2200 Secs)			
									[==>]		[1]	
	3	IC1613-620 24-1291/FP 3 (COS.sp.136 5780)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=27 00			2550 Secs (2550 Secs)			
									[==>]		[2]	
	4	IC1613-620 24-1291/FP 3 (COS.sp.136 5780)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=27 00			2550 Secs (2550 Secs)			
									[==>]		[3]	
	5	IC1613-620 24-LP3/130 9/FP1 (COS.sp.136 9035)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=27 00			1200 Secs (1200 Secs)			
									[==>]		[4]	
	6	IC1613-620 24-LP3/130 9/FP2 (COS.sp.136 9035)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=27 00			1200 Secs (1200 Secs)			
								[==>]		[4]		



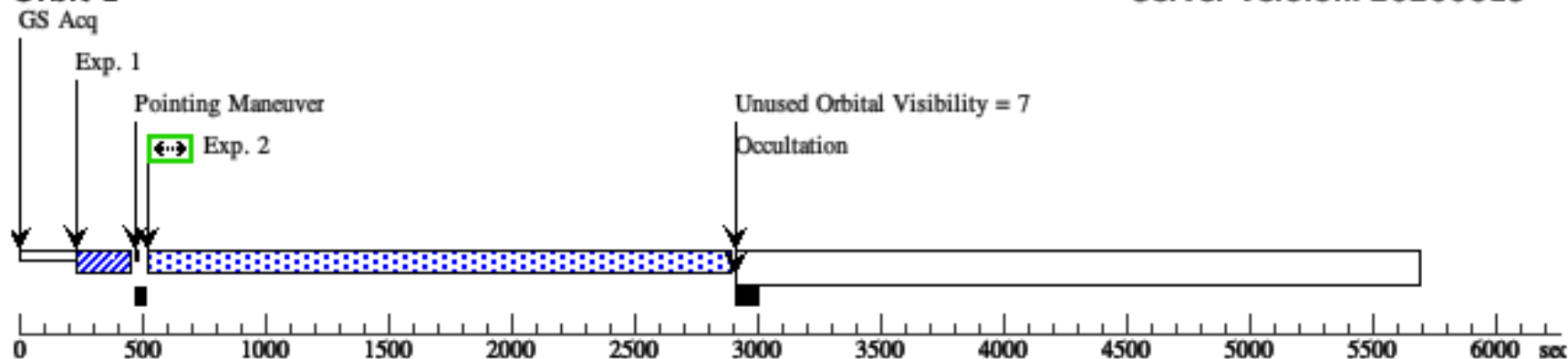


Proposal 15880 - IC1613-62024-FP4 (08) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, IC1613-62024-FP4 (08), completed										Tue Jul 14 22:00:50 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(IC1613-62024-FP4 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(IC1613-62024-FP4 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(IC1613-62024-FP4 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	IC1613-62024	RA: 01 05 0.6460 (16.2526917d)					V=19.6		Reference Frame: ICRS		
			Dec: +02 08 49.26 (2.14702d)					O6.5III; E(B-V) = 0.15				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	IC1613-620 24-TA (COS.ta.136 9918)	(8) IC1613-62024	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				3 Secs (3 Secs)		
										[==>]		[1]
	2	IC1613-620 24-1291/FP 4 (COS.sp.136 5780)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=27 00			2200 Secs (2200 Secs)		
										[==>]		[1]
	3	IC1613-620 24-1291/FP 4 (COS.sp.136 5780)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=27 00			2550 Secs (2550 Secs)		
										[==>]		[2]
	4	IC1613-620 24-1291/FP 4 (COS.sp.136 5780)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=27 00			2550 Secs (2550 Secs)		
										[==>]		[3]
	5	IC1613-620 24-LP3/130 9/FP3 (COS.sp.136 9035)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=27 00			1200 Secs (1200 Secs)		
									[==>]		[4]	
6	IC1613-620 24-LP3/130 9/FP4 (COS.sp.136 9035)	(8) IC1613-62024	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=27 00			1200 Secs (1200 Secs)			
									[==>]		[4]	

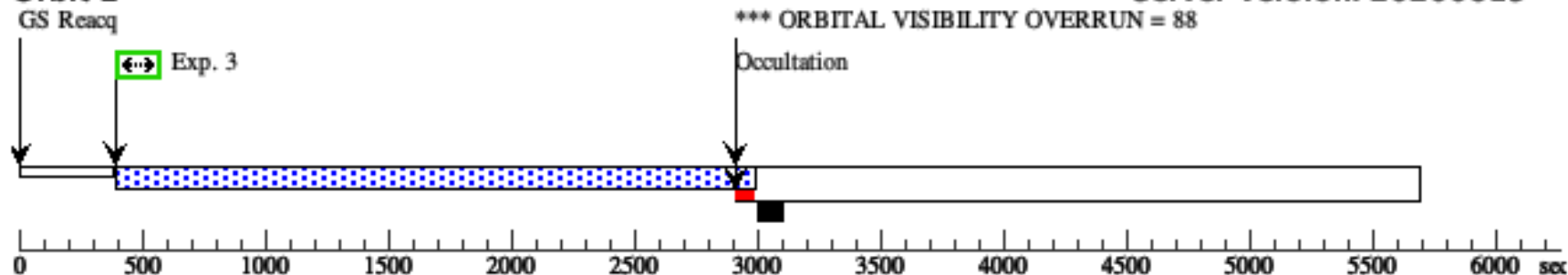
Orbit 1

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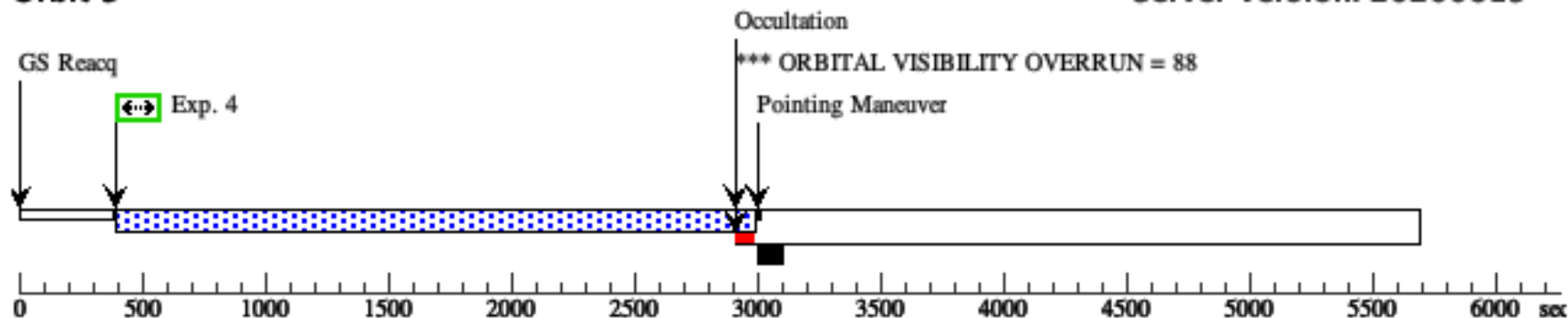
Orbit 2

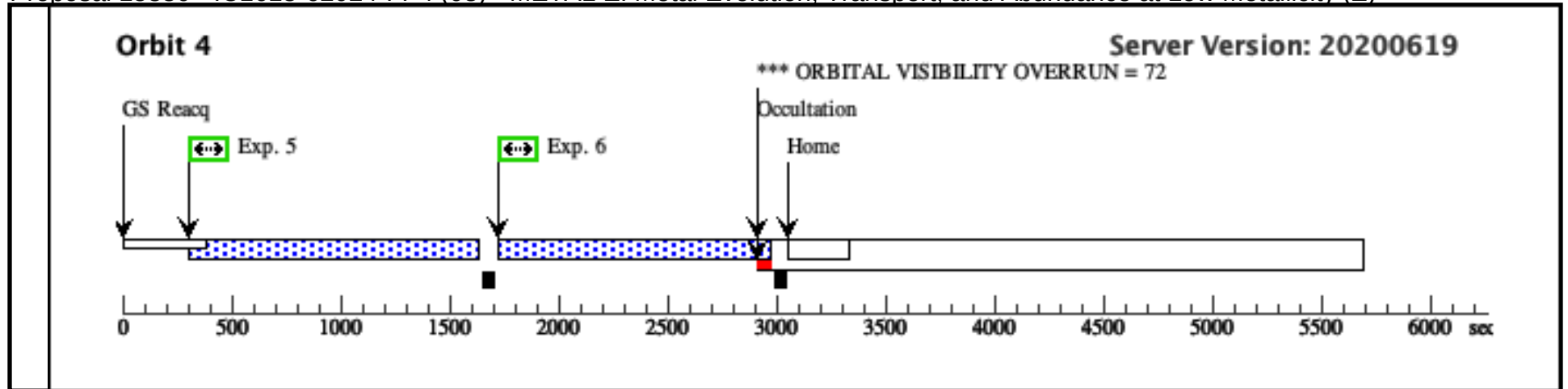
Server Version: 20200619



Orbit 3

Server Version: 20200619



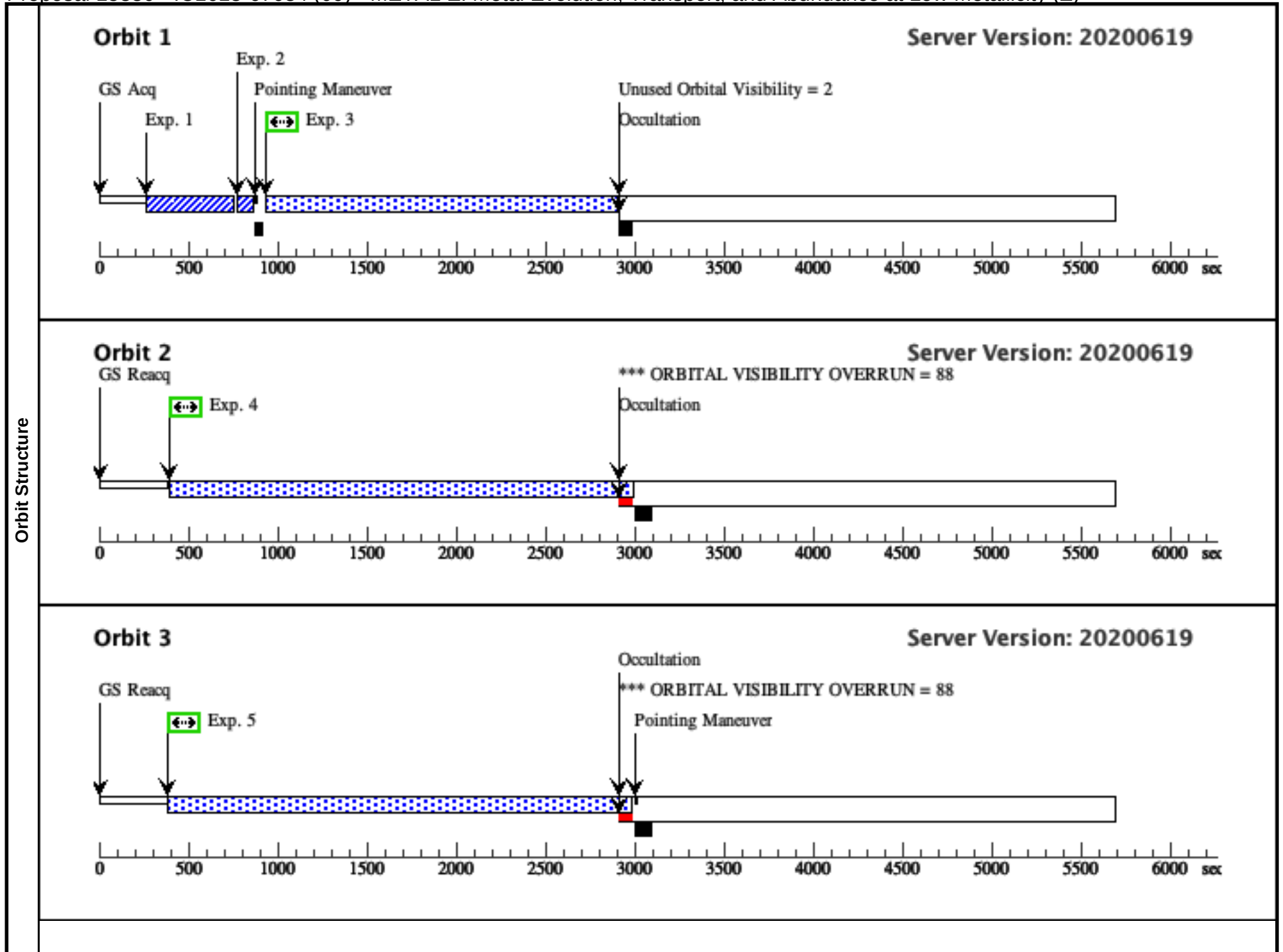


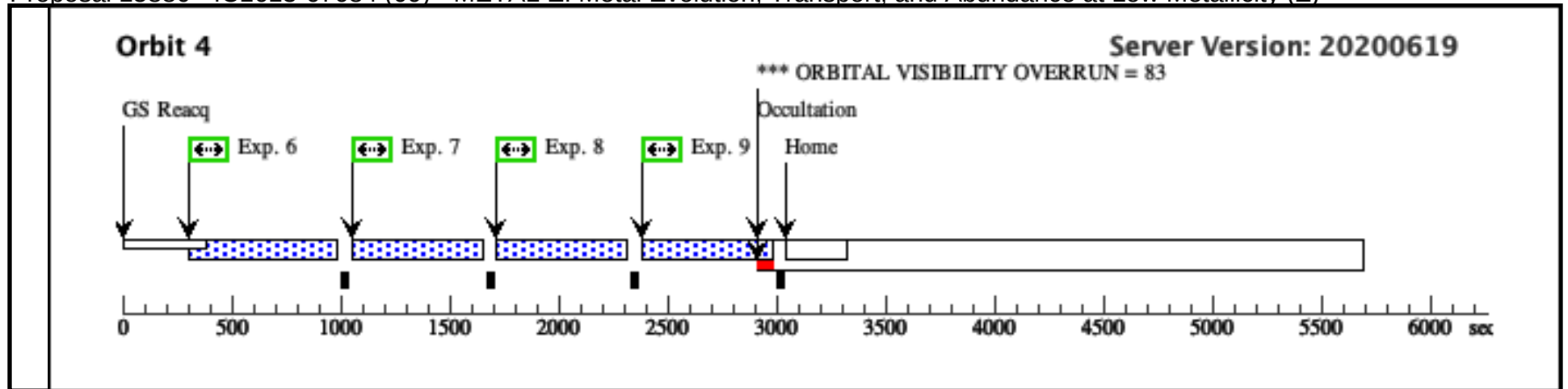
Proposal 15880 - IC1613-67684 (09) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, IC1613-67684 (09), completed					Tue Jul 14 22:00:50 GMT 2020
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnostics	(IC1613-67684 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(IC1613-67684 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(IC1613-67684 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(15)	IC1613-67684	RA: 01 05 4.9000 (16.2704167d)		V=19.02	Reference Frame: ICRS
			Dec: +02 09 32.60 (2.15906d)		O9.5I	
			Equinox: J2000			
		Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO				

Proposal 15880 - IC1613-67684 (09) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IC1613-676 84-TA/SEA RCH (COS.ta.137 1451)	(15) IC1613-67684	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR			9 Secs (9 Secs) [==>]	[1]
	2	IC1613-676 84-TA (COS.ta.137 0876)	(15) IC1613-67684	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs) [==>]	[1]
	3	IC1613-676 84-1291/FP 3 (COS.sp.136 9060)	(15) IC1613-67684	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			1800 Secs (1800 Secs) [==>]	[1]
	4	IC1613-676 84-1291/FP 3 (COS.sp.136 9060)	(15) IC1613-67684	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs) [==>]	[2]
	5	IC1613-676 84-1291/FP 4 (COS.sp.136 9060)	(15) IC1613-67684	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs) [==>]	[3]
	6	IC1613-676 84-LP3/130 9/FP1 (COS.sp.136 9067)	(15) IC1613-67684	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]
	7	IC1613-676 84-LP3/130 9/FP2 (COS.sp.136 9067)	(15) IC1613-67684	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]
	8	IC1613-676 84-LP3/130 9/FP3 (COS.sp.136 9067)	(15) IC1613-67684	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]
	9	IC1613-676 84-LP3/130 9/FP4 (COS.sp.136 9067)	(15) IC1613-67684	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]





Proposal 15880 - IC1613-61331 (10) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

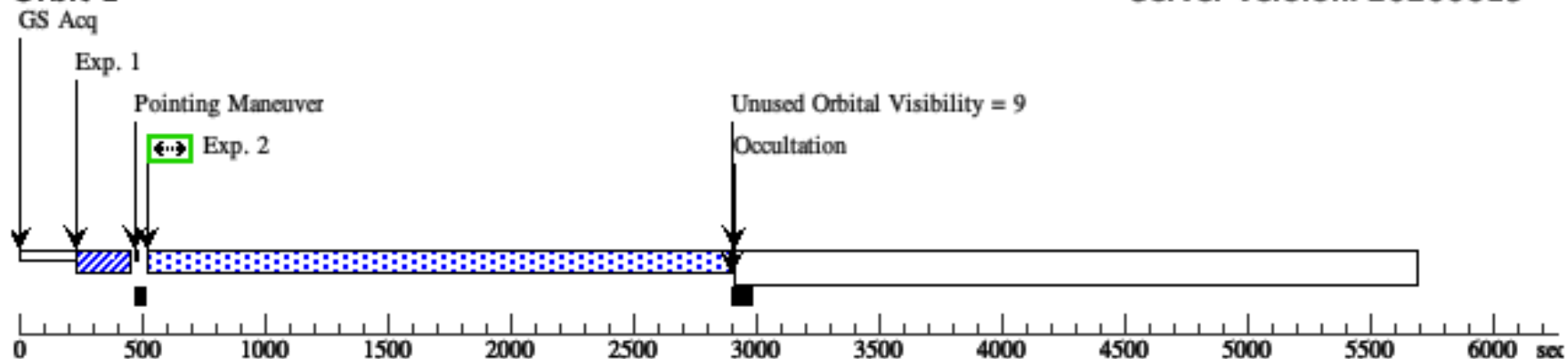
Visit	Proposal 15880, IC1613-61331 (10), completed Tue Jul 14 22:00:50 GMT 2020				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%				
Diagnostics	(IC1613-61331 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (IC1613-61331 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (IC1613-61331 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (IC1613-61331 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(16)	IC1613-61331	RA: 01 05 0.2000 (16.2508333d) Dec: +02 09 13.10 (2.15364d) Equinox: J2000		V=19.14 O9.7II
	Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO				
	Reference Frame: ICRS				

Proposal 15880 - IC1613-61331 (10) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IC1613-613 31-TA (COS.ta.137 0876)	(16) IC1613-61331	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs) [==>]	[1]
	2	IC1613-613 31-1291/FP 3 (COS.sp.136 9061)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2200 Secs (2200 Secs) [==>]	[1]
	3	IC1613-613 31-1291/FP 3 (COS.sp.136 9061)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs) [==>]	[2]
	4	IC1613-613 31-1291/FP 4 (COS.sp.136 9061)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs) [==>]	[3]
	5	IC1613-613 31-1291/FP 4 (COS.sp.136 9061)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			1700 Secs (1700 Secs) [==>]	[4]
	6	IC1613-613 31-LP3/130 9/FP1 (COS.sp.136 9069)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=30 00			600 Secs (600 Secs) [==>]	[4]
	7	IC1613-613 31-LP3/130 9/FP2 (COS.sp.136 9069)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=30 00			800 Secs (800 Secs) [==>]	[5]
	8	IC1613-613 31-LP3/130 9/FP3 (COS.sp.136 9069)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=30 00			700 Secs (700 Secs) [==>]	[5]
	9	IC1613-613 31-LP3/130 9/FP4 (COS.sp.136 9069)	(16) IC1613-61331	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=30 00			800 Secs (800 Secs) [==>]	[5]

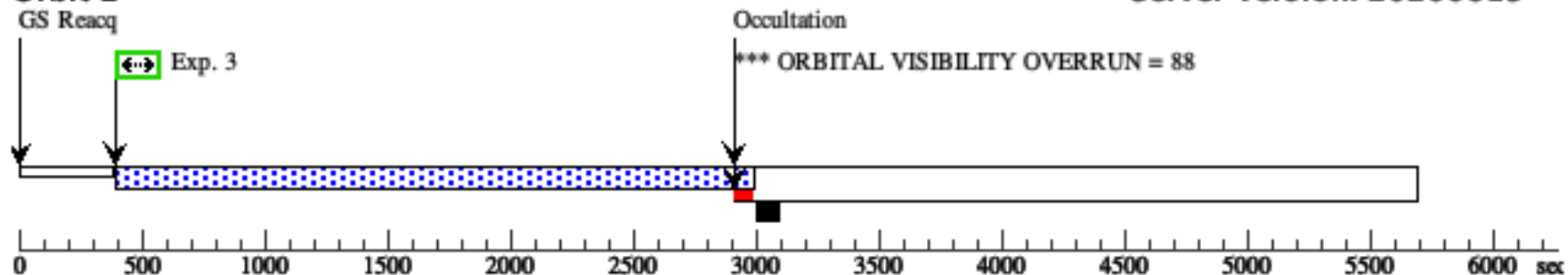
Orbit 1

Server Version: 20200619



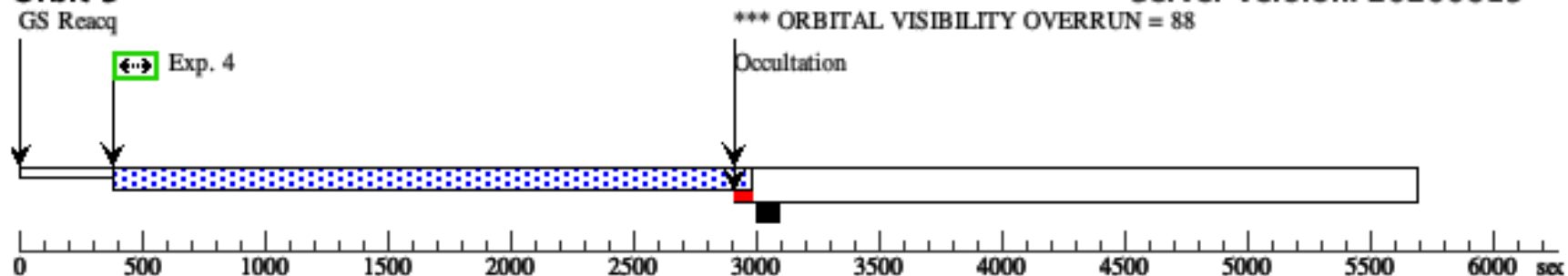
Orbit 2

Server Version: 20200619



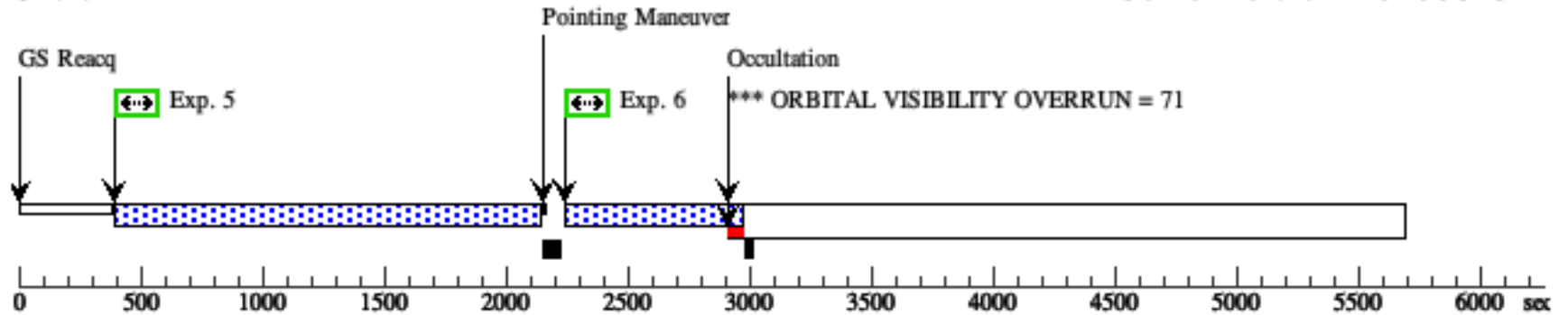
Orbit 3

Server Version: 20200619



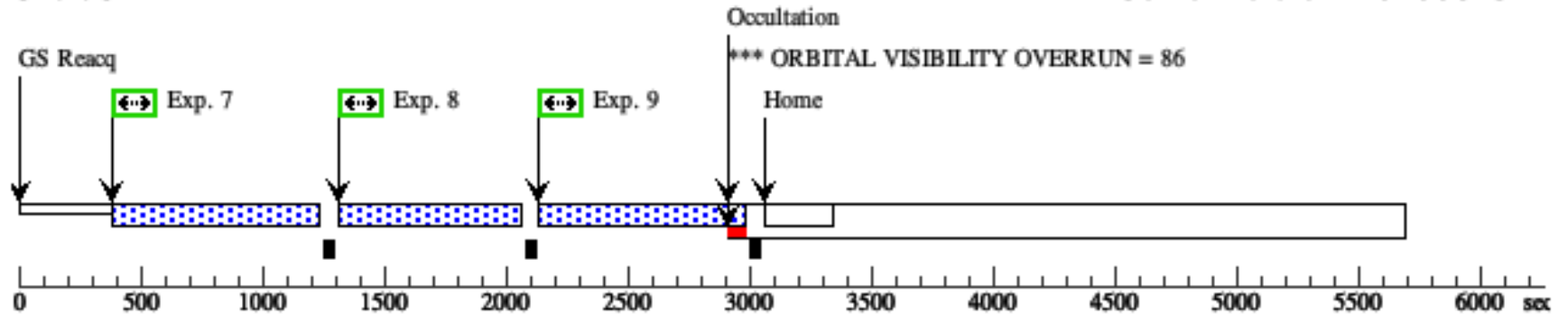
Orbit 4

Server Version: 20200619



Orbit 5

Server Version: 20200619



Proposal 15880 - IC1613-67559 (11) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

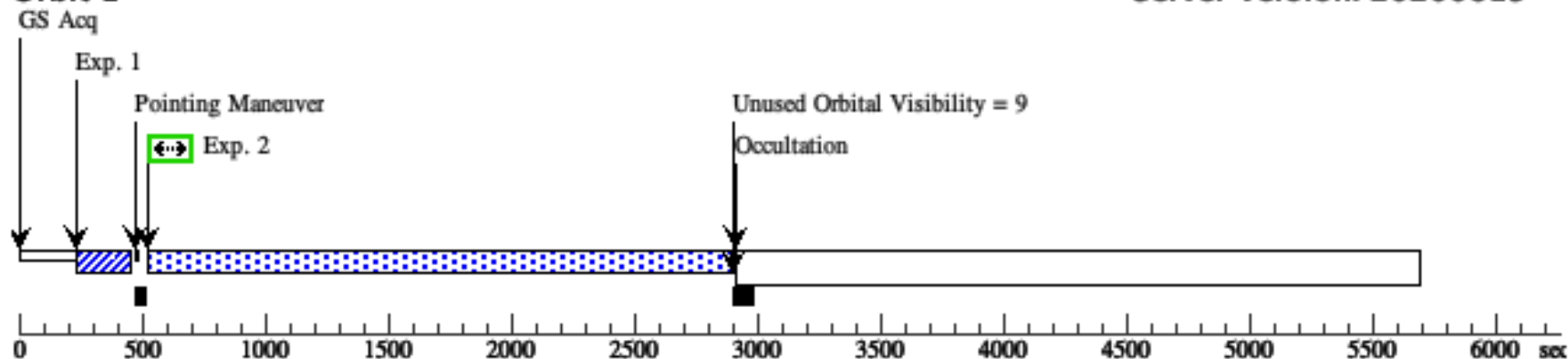
Visit	Proposal 15880, IC1613-67559 (11), failed					Tue Jul 14 22:00:51 GMT 2020
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnostics	(IC1613-67559 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(IC1613-67559 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(IC1613-67559 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	IC1613-67559	RA: 01 05 4.7670 (16.2698625d)		V=19.2	Reference Frame: ICRS
			Dec: +02 09 23.19 (2.15644d)		O8.5III	
			Equinox: J2000			
		Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO				

Proposal 15880 - IC1613-67559 (11) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IC1613-675 59-TA (COS.ta.136 9920)	(10) IC1613-67559	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs) [==>]	[1]
	2	IC1613-675 59-1291/FP 3 (COS.sp.136 5771)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2200 Secs (2200 Secs) [==>]	[1]
	3	IC1613-675 59-1291/FP 3 (COS.sp.136 5771)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs) [==>]	[2]
	4	IC1613-675 59-1291/FP 4 (COS.sp.136 5771)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs) [==>]	[3]
	5	IC1613-675 59-LP3/130 9/FP1 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]
	6	IC1613-675 59-LP3/130 9/FP2 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]
	7	IC1613-675 59-LP3/130 9/FP3 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]
	8	IC1613-675 59-LP3/130 9/FP4 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=30 00			550 Secs (550 Secs) [==>]	[4]

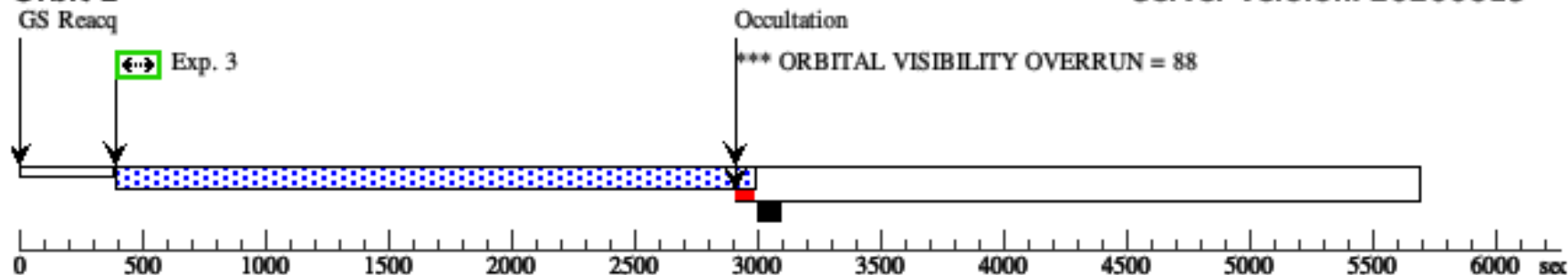
Orbit 1

Server Version: 20200619



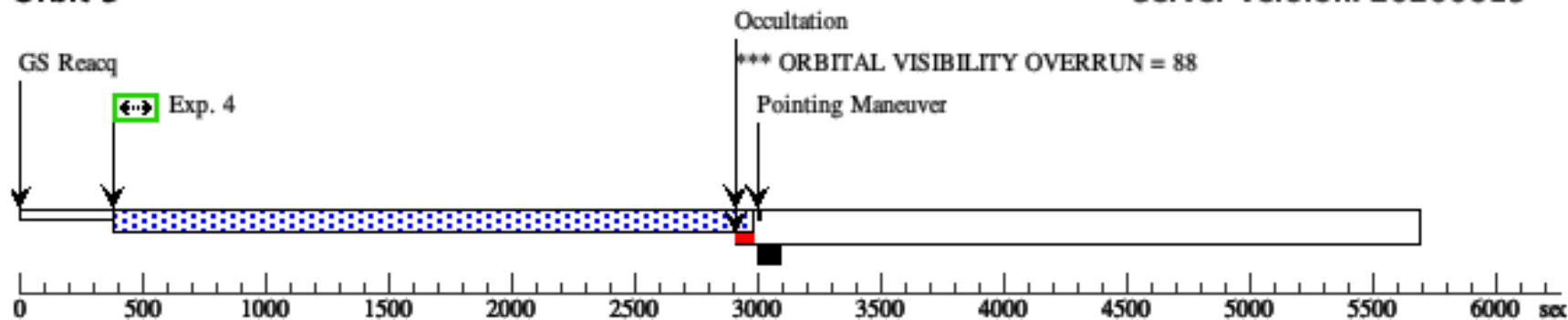
Orbit 2

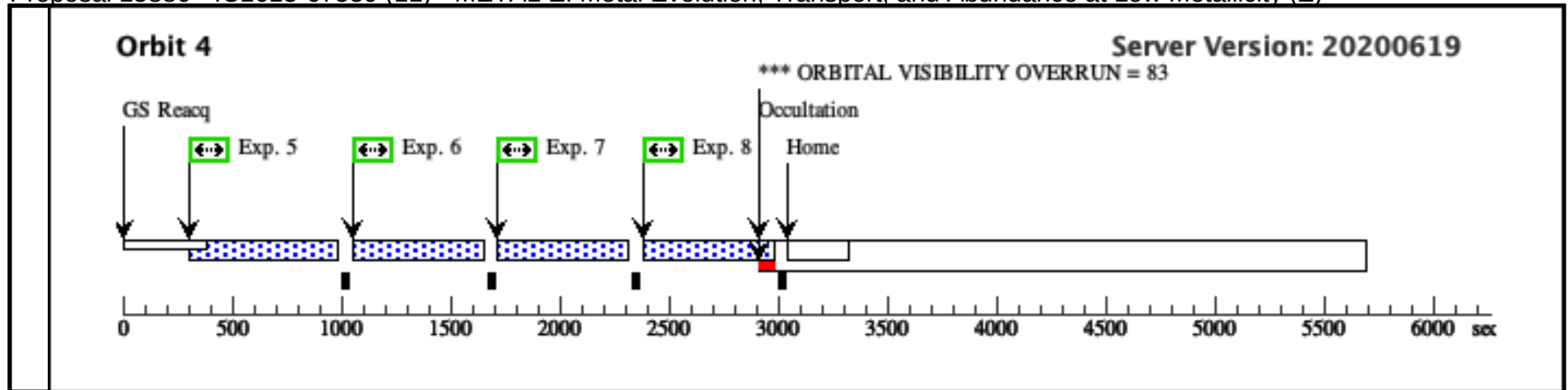
Server Version: 20200619



Orbit 3

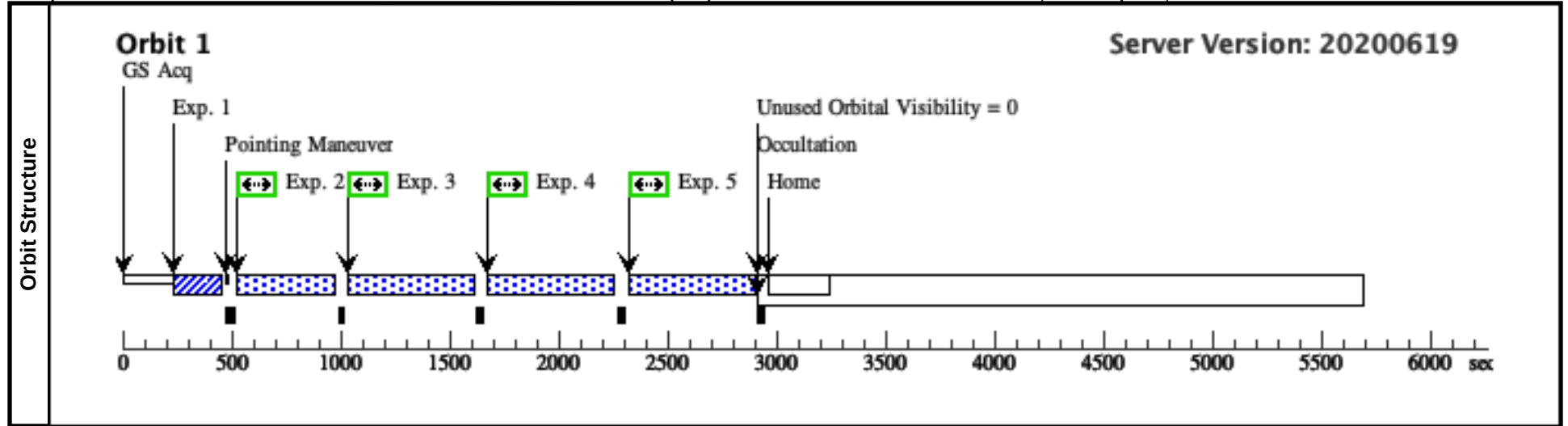
Server Version: 20200619





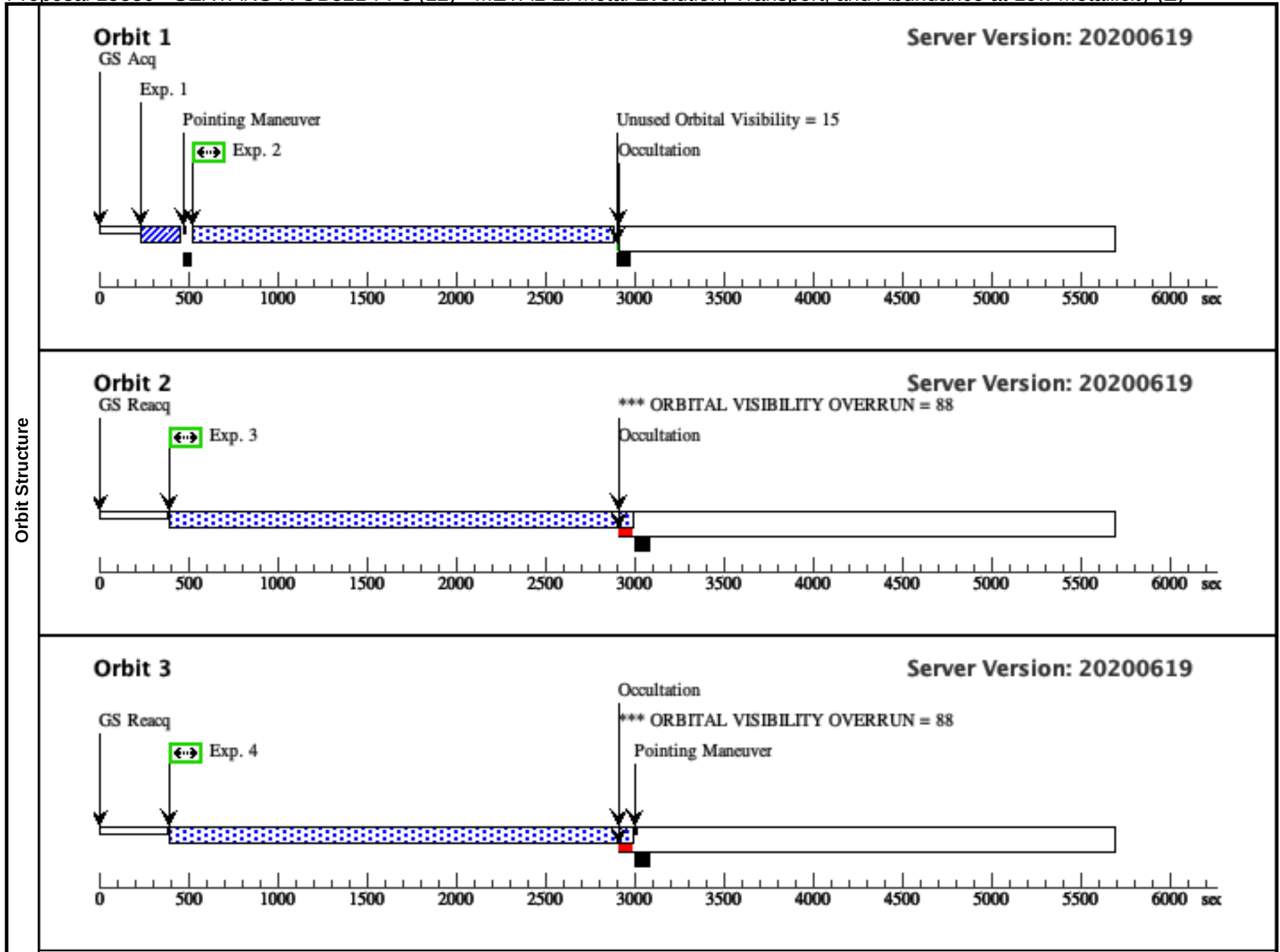
Proposal 15880 - IC1613-67559 REPEAT LP3 FP1234 (25) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallici...

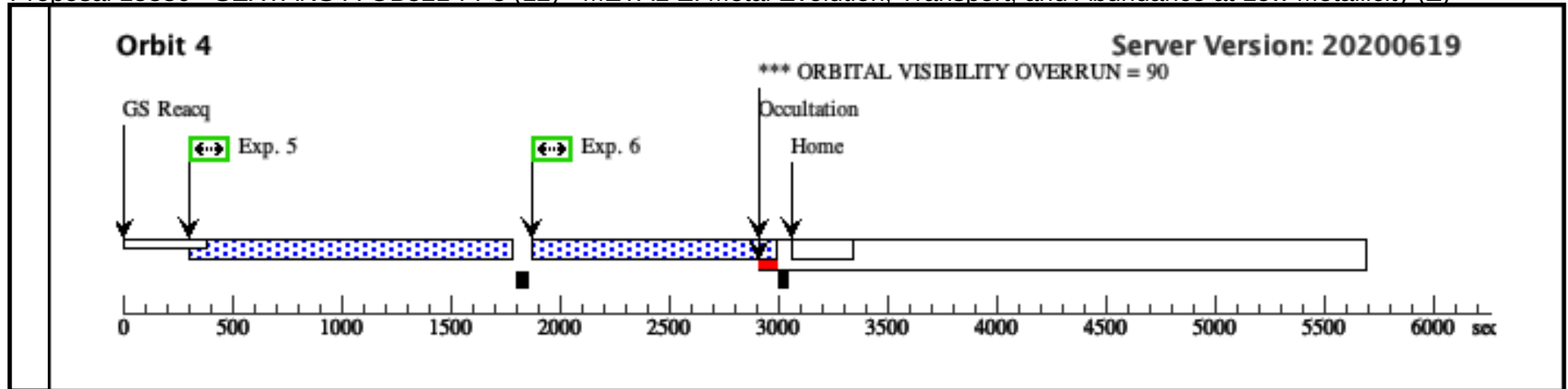
Visit	Proposal 15880, IC1613-67559_REPEAT_LP3_FP1234 (25)										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	IC1613-67559	RA: 01 05 4.7670 (16.2698625d)					V=19.2		Reference Frame: ICRS		
			Dec: +02 09 23.19 (2.15644d)					O8.5III				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	IC1613-675 59-TA (COS.ta.136 9920)	(10) IC1613-67559	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				2 Secs (2 Secs)		
										[==>]		[1]
	2	IC1613-675 59-LP3/130 9/FP1 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=30 00			279 Secs (279 Secs)		
										[==>]		[1]
	3	IC1613-675 59-LP3/130 9/FP2 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=30 00			530 Secs (530 Secs)		
										[==>]		[1]
	4	IC1613-675 59-LP3/130 9/FP3 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=30 00			530 Secs (530 Secs)		
										[==>]		[1]
	5	IC1613-675 59-LP3/130 9/FP4 (COS.sp.136 9029)	(10) IC1613-67559	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=30 00			530 Secs (530 Secs)		
									[==>]		[1]	



Proposal 15880 - SEXTANS-A-OB521-FP3 (12) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB521-FP3 (12), failed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB521-FP3 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB521-FP3 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB521-FP3 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(11)	SEXTANS-A-OB521	RA: 10 11 5.3800 (152.7724167d) Dec: -04 42 40.10 (-4.71114d) Equinox: J2000				V=19.4 O9.5III-V		Reference Frame: ICRS			
	Comments: Category=EXT-STAR Description=[GIANT O, MAIN SEQUENCE O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	SEXTANS-A-OB521-T A (COS.ta.136 9928)	(11) SEXTANS-A-O B521	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs) [==>]		[1]	
	2	SEXTANS-A-OB521-1 291/FP3 (COS.sp.136 9048)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2192 Secs (2192 Secs) [==>]		[1]	
	3	SEXTANS-A-OB521-1 291/FP3 (COS.sp.136 9048)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]		[2]	
	4	SEXTANS-A-OB521-1 291/FP3 (COS.sp.136 9048)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]		[3]	
	5	SEXTANS-A-OB521-L P3/1309/FP 1 (COS.sp.136 9037)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1348 Secs (1348 Secs) [==>]		[4]	
	6	SEXTANS-A-OB521-L P3/1309/FP 2 (COS.sp.136 9037)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1070 Secs (1070 Secs) [==>]		[4]	





Proposal 15880 - SEXTANS-A-OB521-FP3-REPEAT (22) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

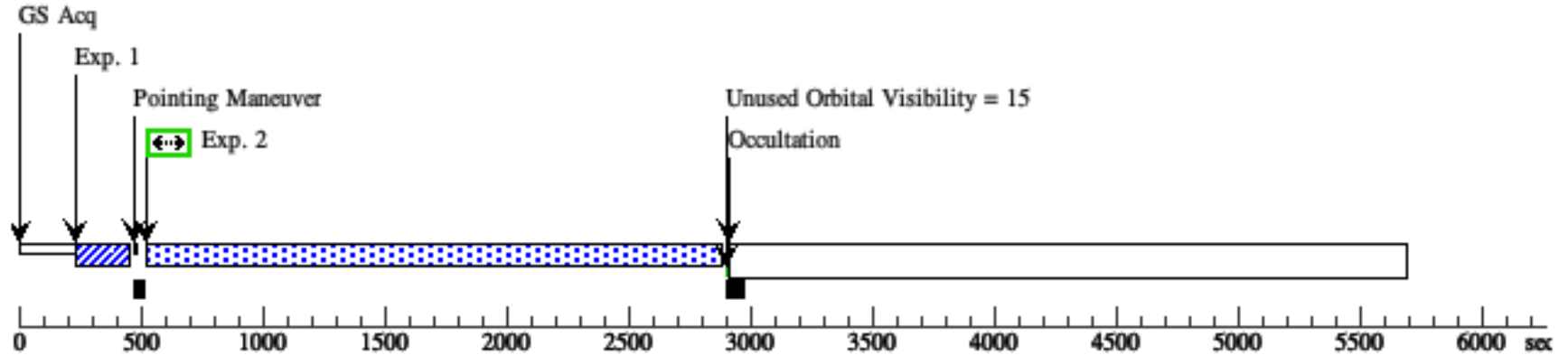
Visit	Proposal 15880, SEXTANS-A-OB521-FP3-REPEAT (22), completed										Tue Jul 14 22:00:51 GMT 2020
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: SCHED 100%										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	SEXTANS-A-OB521	RA: 10 11 5.3800 (152.7724167d) Dec: -04 42 40.10 (-4.71114d) Equinox: J2000				V=19.4 O9.5III-V		Reference Frame: ICRS		
	Comments: Category=EXT-STAR Description=[GIANT O, MAIN SEQUENCE O] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	SEXTANS-A-OB521-T A (COS.ta.136 9928)	(11) SEXTANS-A-O B521	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs) [==>]		[1]
	2	SEXTANS-A-OB521-1 291/FP3 (COS.sp.136 9048)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2205 Secs (2205 Secs) [==>]		[1]
Orbit Structure	Orbit 1 GS Acq Exp. 1 Pointing Maneuver Exp. 2 Unused Orbital Visibility = 2 Occultation Home 050010001500200025003000350040004500500055006000 sec										
	Server Version: 20200619										

Proposal 15880 - SEXTANS-A-OB521-FP4 (13) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB521-FP4 (13), completed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB521-FP4 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB521-FP4 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB521-FP4 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	SEXTANS-A-OB521	RA: 10 11 5.3800 (152.7724167d) Dec: -04 42 40.10 (-4.71114d) Equinox: J2000					V=19.4 O9.5III-V		Reference Frame: ICRS		
	Comments: Category=EXT-STAR Description=[GIANT O, MAIN SEQUENCE O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	SEXTANS-A-OB521-T A (COS.ta.136 9928)	(11) SEXTANS-A-O B521	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				3 Secs (3 Secs) [==>]		[1]
	2	SEXTANS-A-OB521-1 291/FP4 (COS.sp.136 9048)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2192 Secs (2192 Secs) [==>]		[1]
	3	SEXTANS-A-OB521-1 291/FP4 (COS.sp.136 9048)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]		[2]
	4	SEXTANS-A-OB521-1 291/FP4 (COS.sp.136 9048)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs) [==>]		[3]
	5	SEXTANS-A-OB521-L P3/1309/FP 3 (COS.sp.136 9037)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1348 Secs (1348 Secs) [==>]		[4]
	6	SEXTANS-A-OB521-L P3/1309/FP 4 (COS.sp.136 9037)	(11) SEXTANS-A-O B521	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1070 Secs (1070 Secs) [==>]		[4]

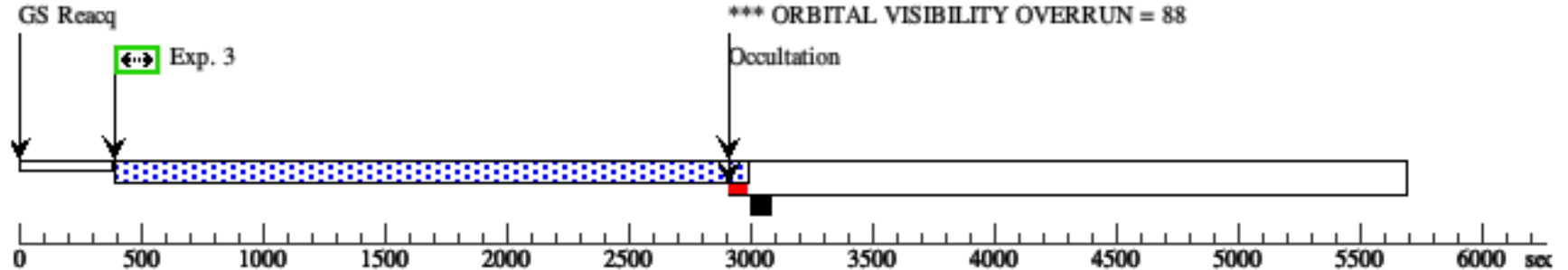
Orbit 1

Server Version: 20200619



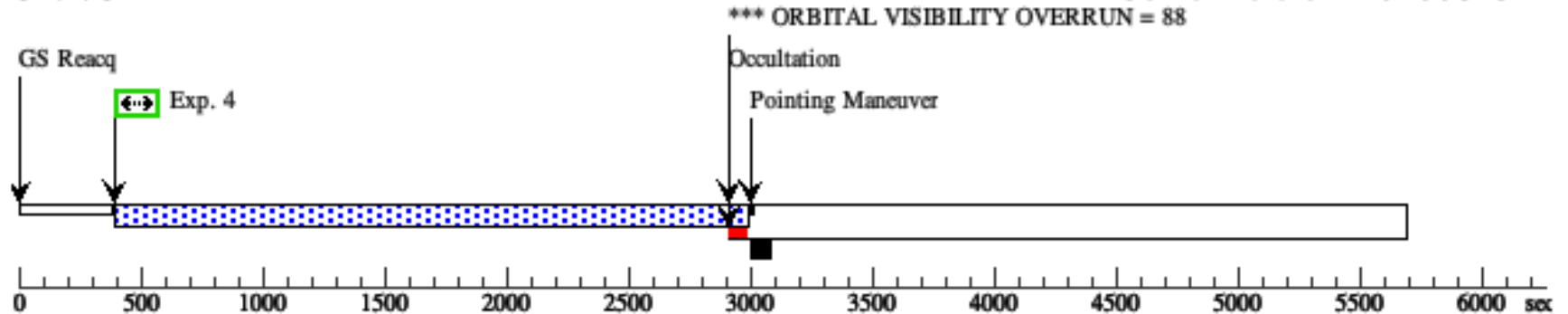
Orbit 2

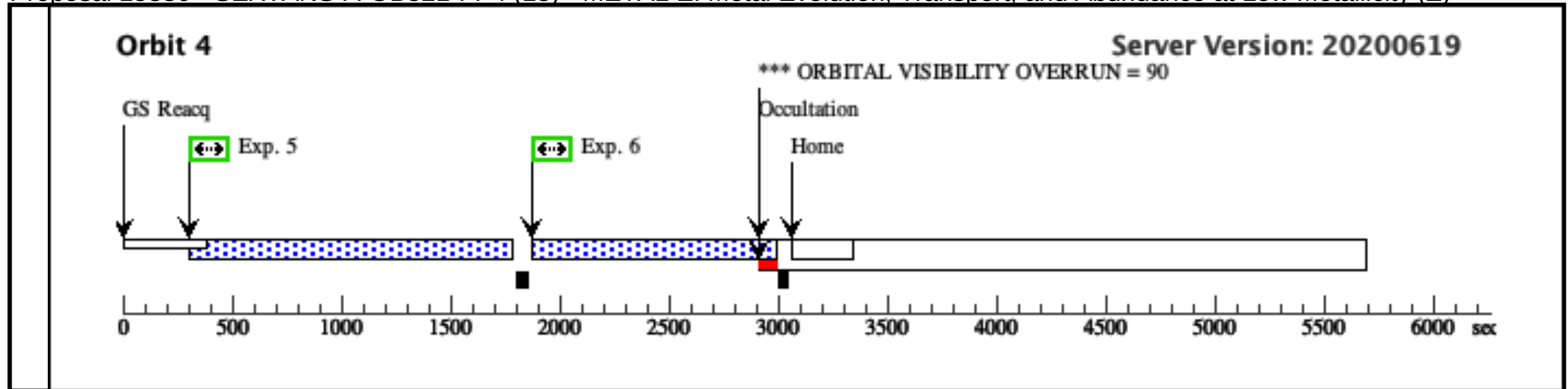
Server Version: 20200619



Orbit 3

Server Version: 20200619



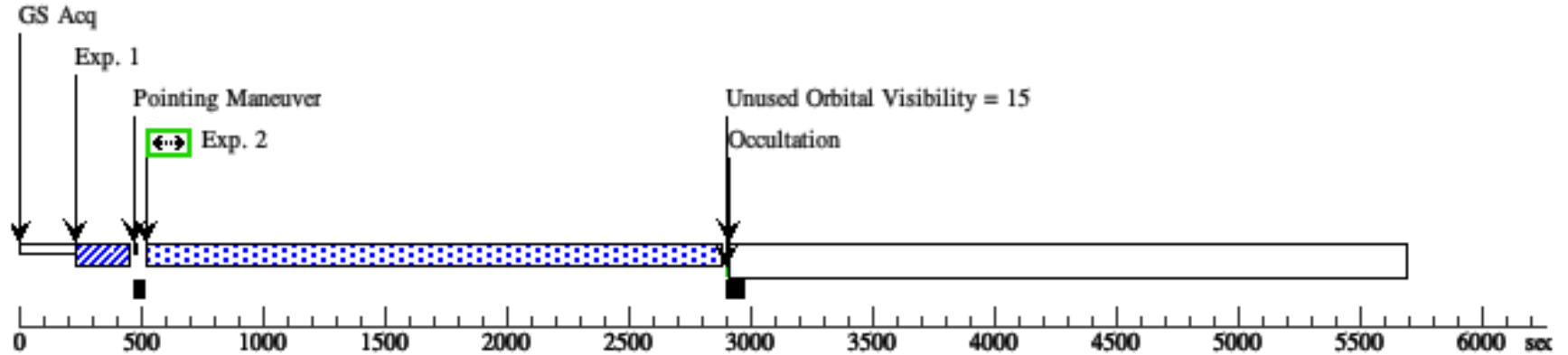


Proposal 15880 - SEXTANS-A-OB523-FP3 (14) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB523-FP3 (14), completed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB523-FP3 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB523-FP3 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB523-FP3 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(12)	SEXTANS-A-OB523	RA: 10 11 6.0470 (152.7751958d)				V=19.5		Reference Frame: ICRS			
			Dec: -04 42 11.37 (-4.70316d)				09.71(f)					
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	SEXTANS-A-OB523-T A (COS.ta.136 9928)	(12) SEXTANS-A-O B523	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				3 Secs (3 Secs)		
										[==>]		[1]
	Comments: While the BOT tool flags this TA exposure of the target as unsafe, it can be cleared with the ETC (COS.ta.1369928) using the UV flux measured in a G140L spectrum. The GALEX mag is brighter than the UV mag of the star due to its 5" resolution and the presence of other sources in the beam. Program 14245 acquired this star with the PSA/MIRRORA (for G140L observations).											
	2	SEXTANS-A-OB523-1 291/FP3 (COS.sp.136 9049)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2192 Secs (2192 Secs)		
										[==>]		[1]
	3	SEXTANS-A-OB523-1 291/FP3 (COS.sp.136 9049)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs)		
										[==>]		[2]
	4	SEXTANS-A-OB523-1 291/FP3 (COS.sp.136 9049)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs)		
										[==>]		[3]
5	SEXTANS-A-OB523-L P3/1309/FP 1 (COS.sp.136 9038)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1348 Secs (1348 Secs)			
									[==>]		[4]	
6	SEXTANS-A-OB523-L P3/1309/FP 2 (COS.sp.136 9038)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1070 Secs (1070 Secs)			
									[==>]		[4]	

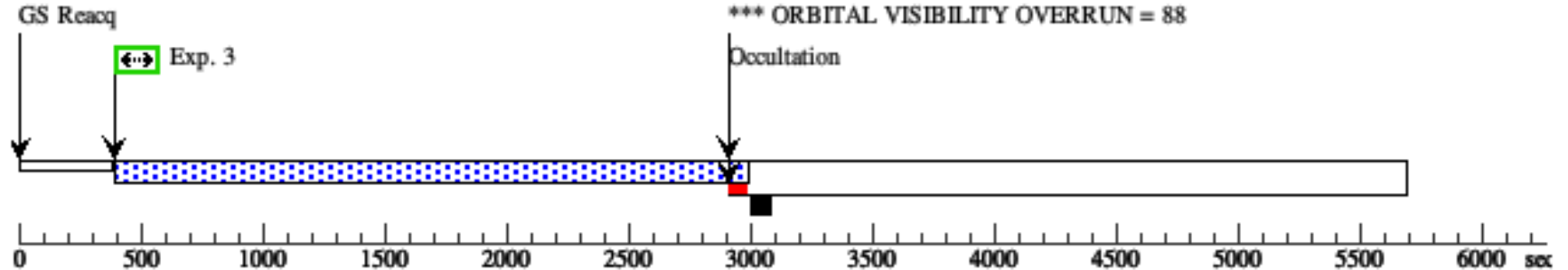
Orbit 1

Server Version: 20200619



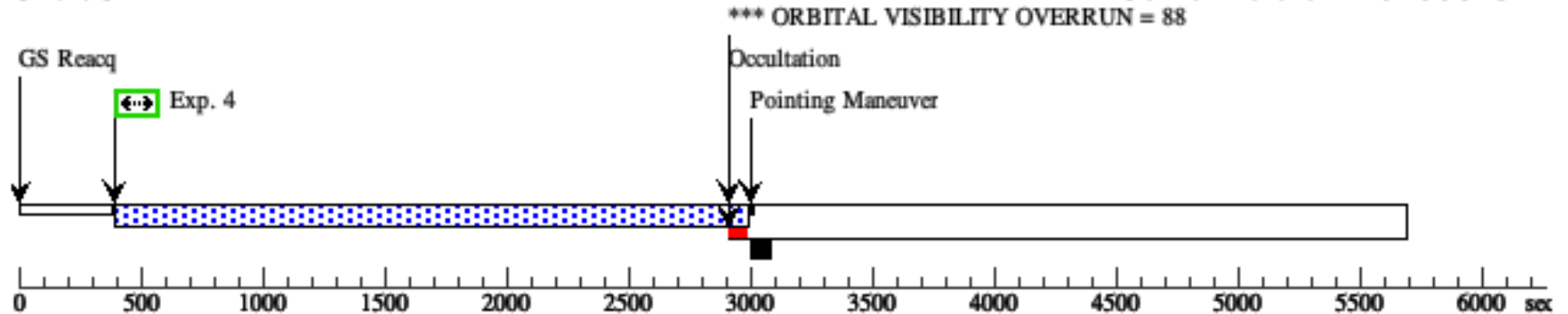
Orbit 2

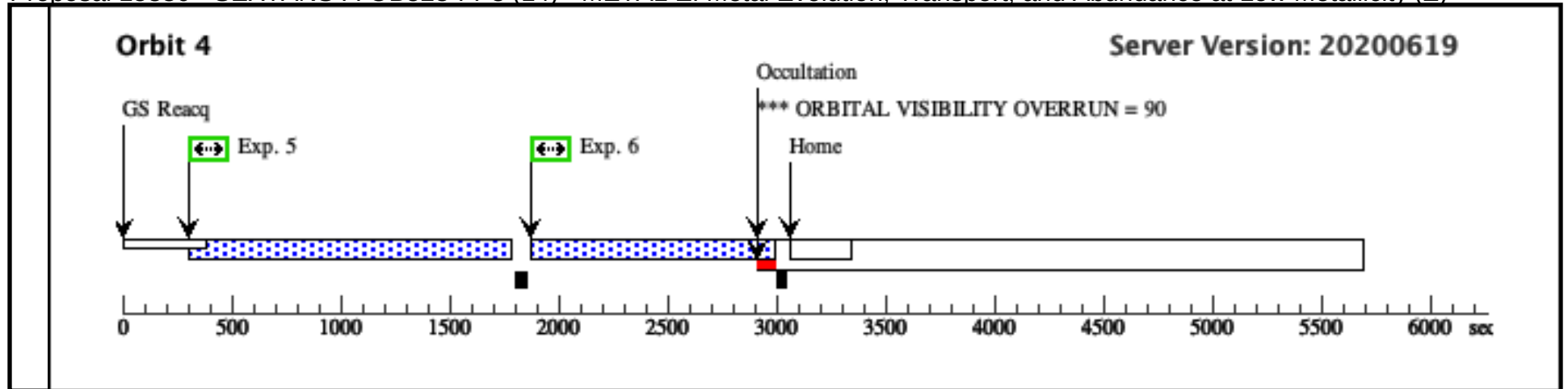
Server Version: 20200619



Orbit 3

Server Version: 20200619



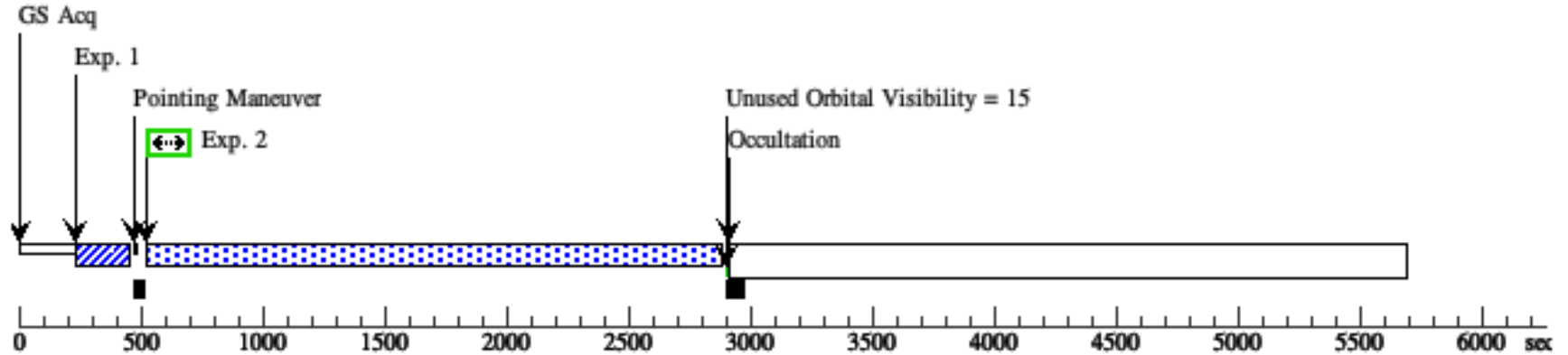


Proposal 15880 - SEXTANS-A-OB523-FP4 (15) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB523-FP4 (15), completed										Tue Jul 14 22:00:51 GMT 2020			
	Diagnostic Status: Warning													
	Scientific Instruments: COS/FUV, COS/NUV													
	Special Requirements: SCHED 100%													
Diagnostics	(SEXTANS-A-OB523-FP4 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
	(SEXTANS-A-OB523-FP4 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
	(SEXTANS-A-OB523-FP4 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(12)	SEXTANS-A-OB523	RA: 10 11 6.0470 (152.7751958d)					V=19.5		Reference Frame: ICRS				
			Dec: -04 42 11.37 (-4.70316d)					09.71(f)						
			Equinox: J2000											
	Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO													
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	SEXTANS-A-OB523-T A (COS.ta.136 9928)	(12) SEXTANS-A-O B523	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				3 Secs (3 Secs)				
										[==>]		[1]		
	Comments: While the BOT tool flags this TA exposure of the target as unsafe, it can be cleared with the ETC (COS.ta.1369928) using the UV flux measured in a G140L spectrum. The GALEX mag is brighter than the UV mag of the star due to its 5" resolution and the presence of other sources in the beam. Program 14245 acquired this star with the PSA/MIRRORA (for G140L observations).													
	2	SEXTANS-A-OB523-1 291/FP4 (COS.sp.136 9049)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2192 Secs (2192 Secs)				
										[==>]		[1]		
	3	SEXTANS-A-OB523-1 291/FP4 (COS.sp.136 9049)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs)				
										[==>]		[2]		
	4	SEXTANS-A-OB523-1 291/FP4 (COS.sp.136 9049)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=35 00			2550 Secs (2550 Secs)				
										[==>]		[3]		
	5	SEXTANS-A-OB523-L P3/1309/FP 3 (COS.sp.136 9038)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1348 Secs (1348 Secs)				
										[==>]		[4]		
	6	SEXTANS-A-OB523-L P3/1309/FP 4 (COS.sp.136 9038)	(12) SEXTANS-A-O B523	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=35 00			1070 Secs (1070 Secs)				
									[==>]		[4]			

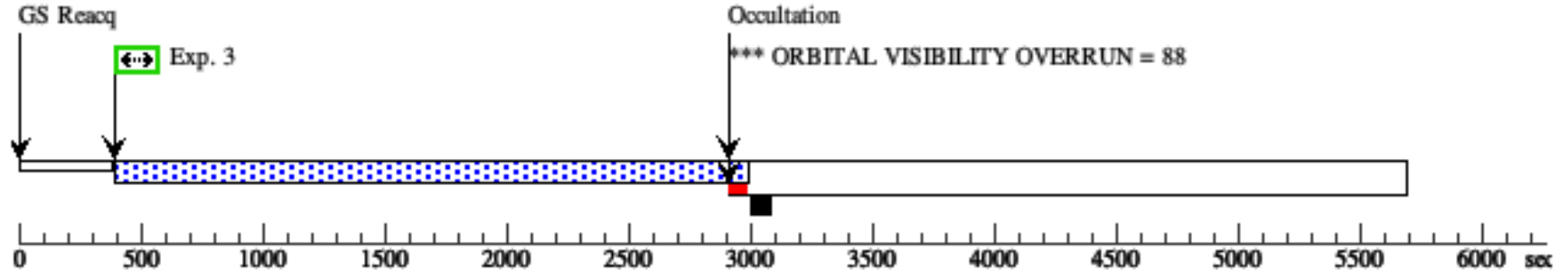
Orbit 1

Server Version: 20200619



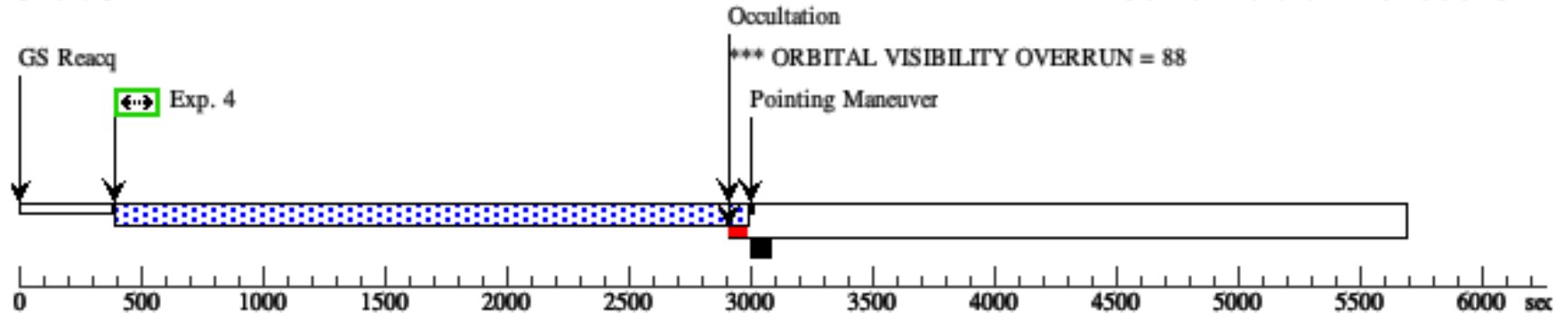
Orbit 2

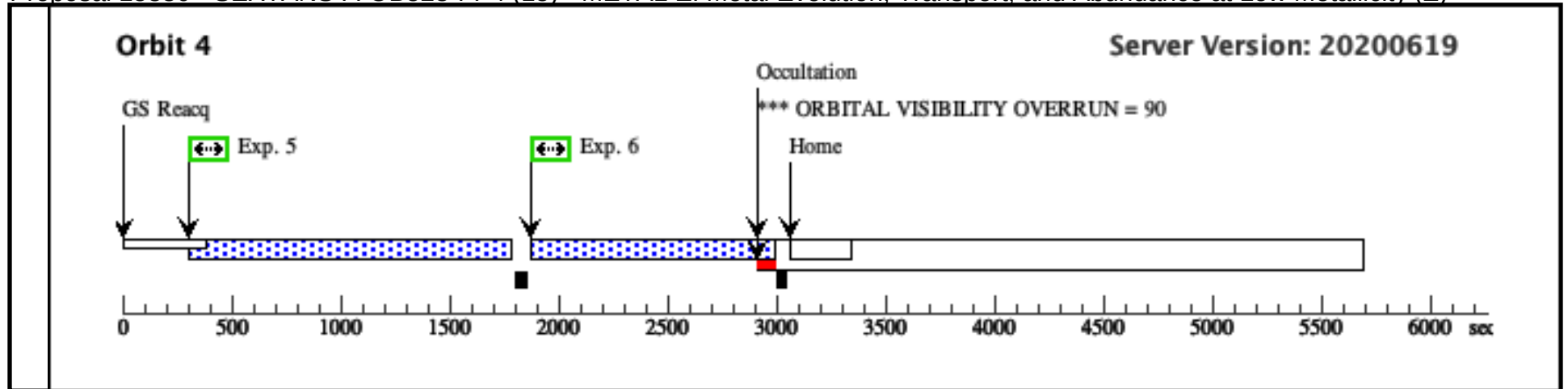
Server Version: 20200619



Orbit 3

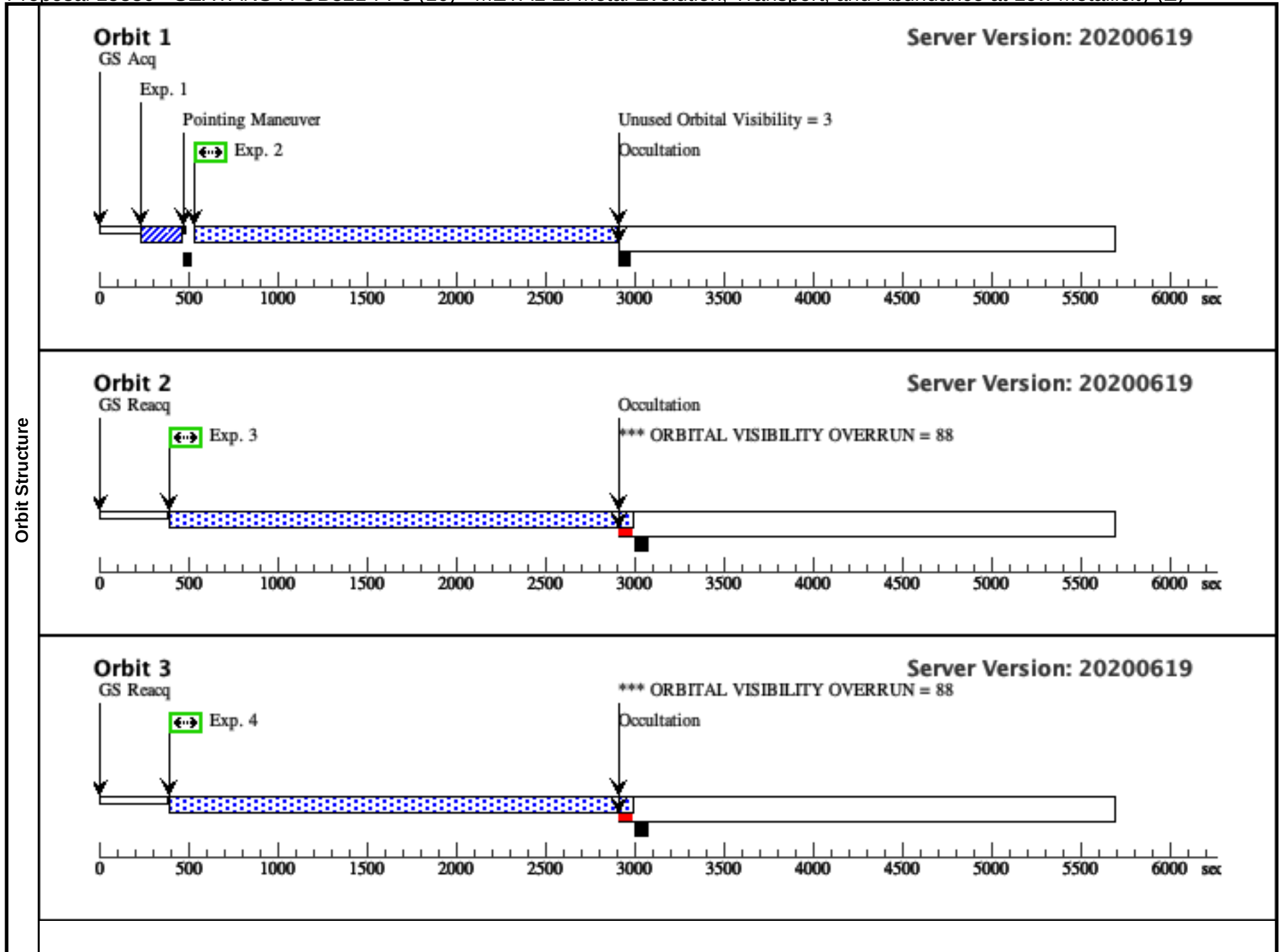
Server Version: 20200619

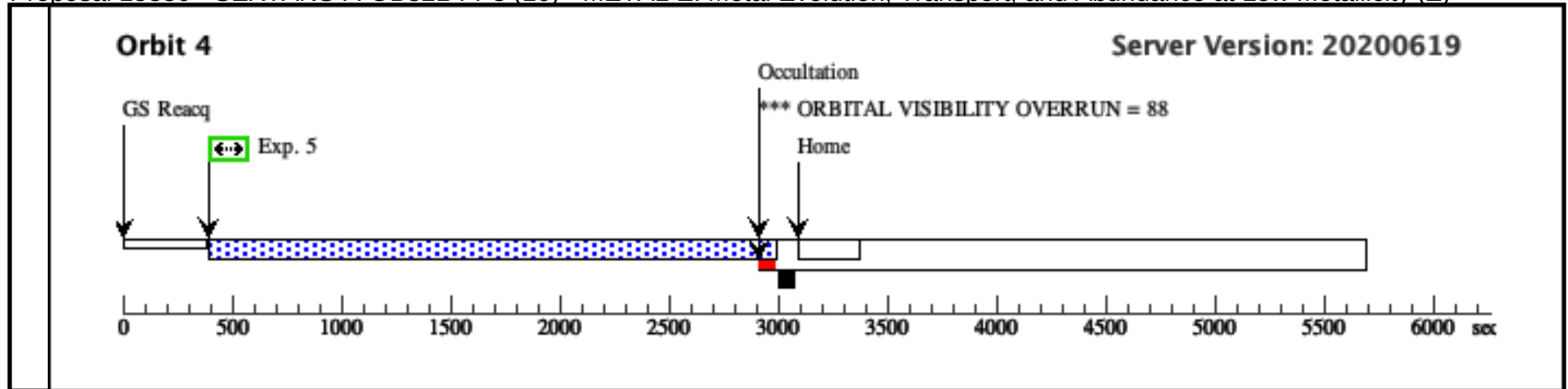




Proposal 15880 - SEXTANS-A-OB321-FP3 (16) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

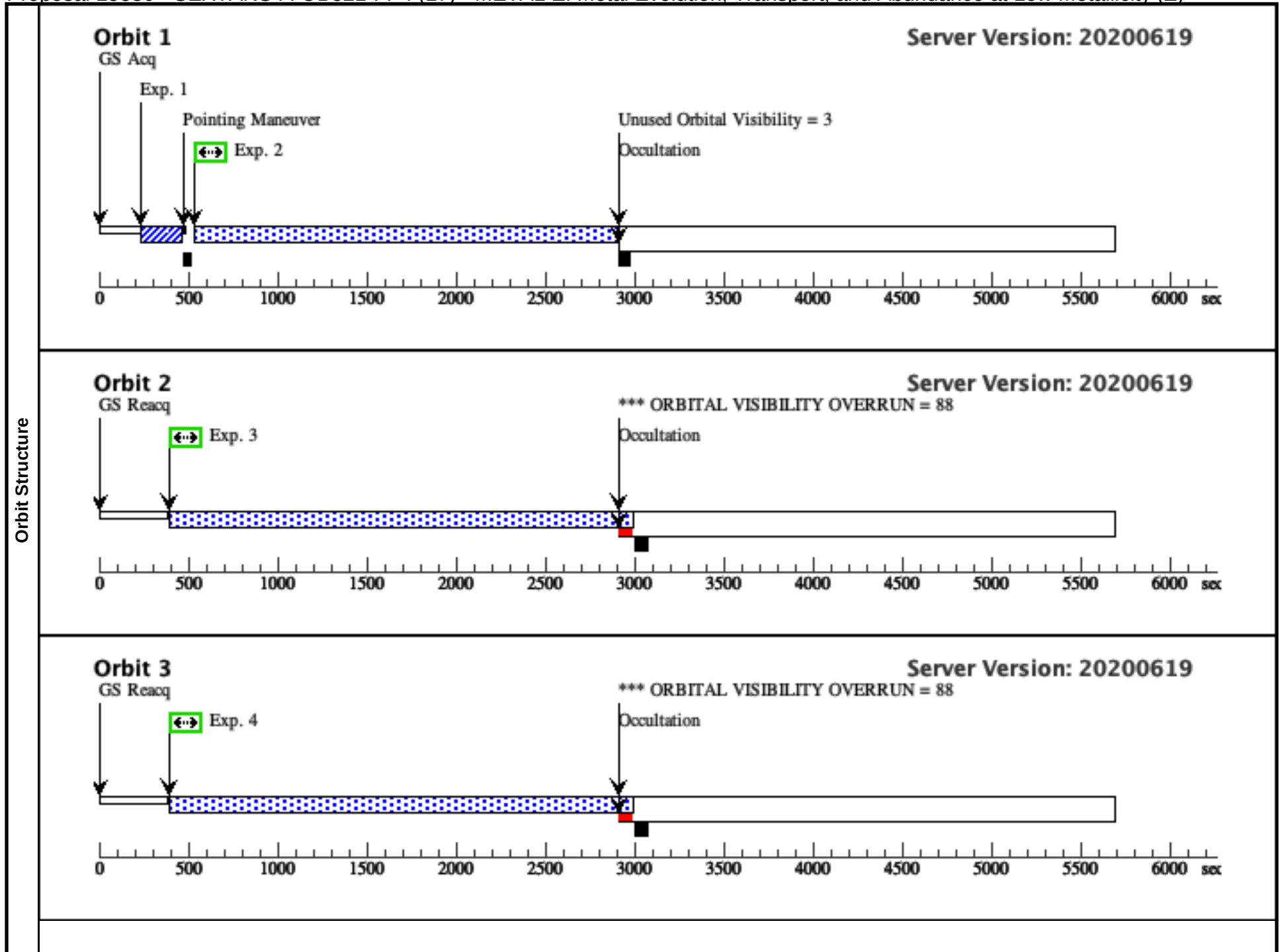
Visit	Proposal 15880, SEXTANS-A-OB321-FP3 (16), completed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB321-FP3 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB321-FP3 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB321-FP3 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	SEXTANS-A-OB321	RA: 10 11 0.6600 (152.7527500d)					V=19.6		Reference Frame: ICRS		
			Dec: -04 40 44.30 (-4.67897d)					09.71(f)				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	SEXTANS-A-OB321-T A (COS.ta.136 9929)	(13) SEXTANS-A-O B321	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				5 Secs (5 Secs)		
										[==>]		[1]
	2	SEXTANS-A-OB321-1 291/FP3 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2200 Secs (2200 Secs)		
										[==>]		[1]
	3	SEXTANS-A-OB321-1 291/FP3 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2550 Secs (2550 Secs)		
										[==>]		[2]
	4	SEXTANS-A-OB321-1 291/FP3 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2550 Secs (2550 Secs)		
										[==>]		[3]
	5	SEXTANS-A-OB321-1 291/FP3 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2550 Secs (2550 Secs)		
										[==>]		[4]

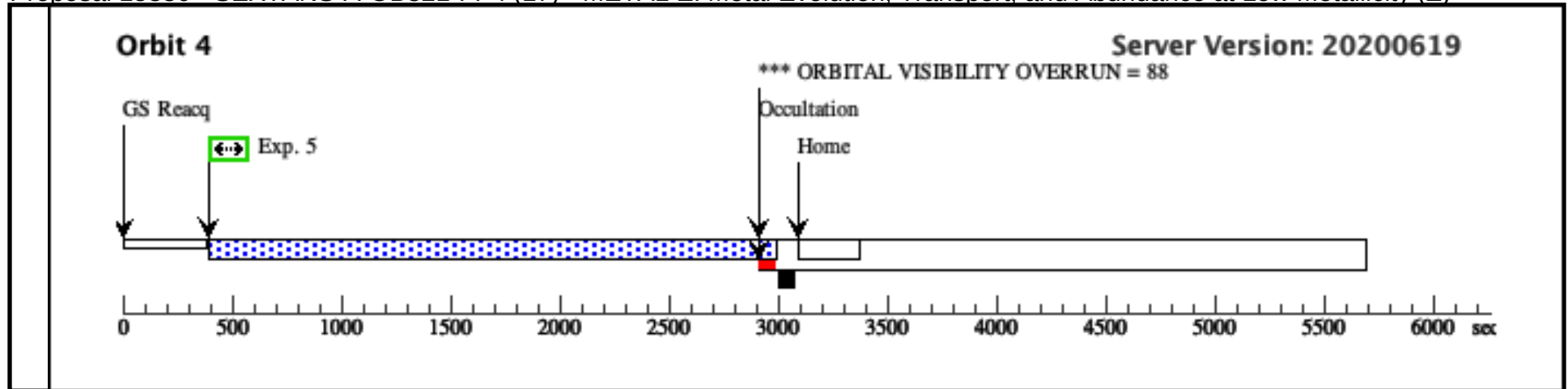




Proposal 15880 - SEXTANS-A-OB321-FP4 (17) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

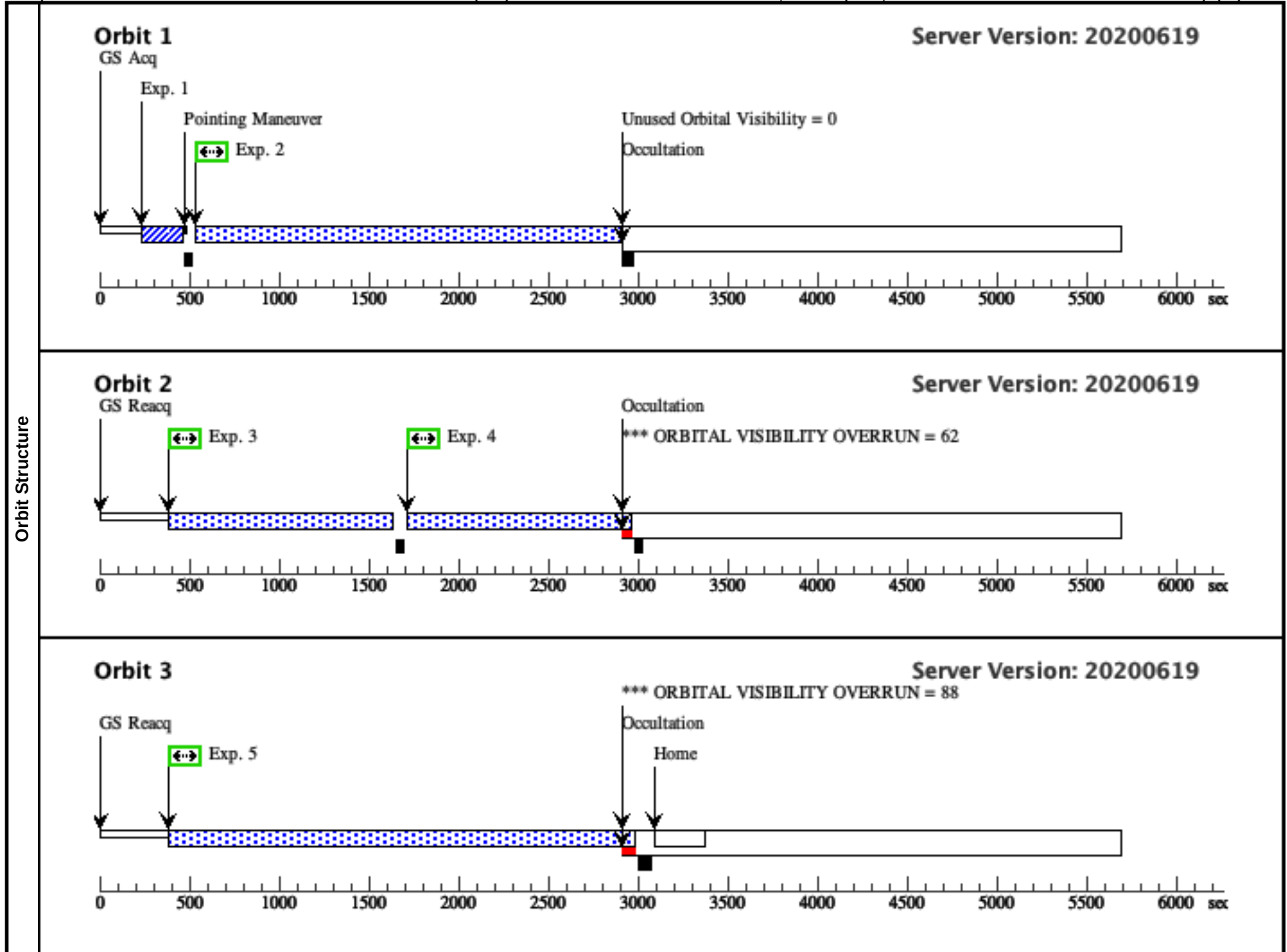
Visit	Proposal 15880, SEXTANS-A-OB321-FP4 (17), completed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB321-FP4 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB321-FP4 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB321-FP4 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	SEXTANS-A-OB321	RA: 10 11 0.6600 (152.7527500d)					V=19.6		Reference Frame: ICRS		
			Dec: -04 40 44.30 (-4.67897d)					09.71(f)				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	SEXTANS-A-OB321-T A (COS.ta.136 9929)	(13) SEXTANS-A-O B321	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				5 Secs (5 Secs)		
										[==>]		[1]
	2	SEXTANS-A-OB321-1 291/FP4 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2200 Secs (2200 Secs)		
										[==>]		[1]
	3	SEXTANS-A-OB321-1 291/FP4 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2550 Secs (2550 Secs)		
										[==>]		[2]
	4	SEXTANS-A-OB321-1 291/FP4 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2550 Secs (2550 Secs)		
										[==>]		[3]
	5	SEXTANS-A-OB321-1 291/FP4 (COS.sp.136 9050)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=40 00			2550 Secs (2550 Secs)		
									[==>]		[4]	





Proposal 15880 - SEXTANS-A-OB321-LP3/1309 (18) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB321-LP3/1309 (18), failed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB321-LP3/1309 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB321-LP3/1309 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(13)	SEXTANS-A-OB321	RA: 10 11 0.6600 (152.7527500d) Dec: -04 40 44.30 (-4.67897d) Equinox: J2000				V=19.6 O9.7I(f)		Reference Frame: ICRS			
	Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	SEXTANS-A-OB321-T A (COS.ta.136 9929)	(13) SEXTANS-A-O B321	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5 Secs (5 Secs) [==>]		[1]	
	2	SEXTANS-A-OB321-L P3/1309/FP 1 (COS.sp.136 9039)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=40 00			2198 Secs (2198 Secs) [==>]		[1]	
	3	SEXTANS-A-OB321-L P3/1309/FP 2 (COS.sp.136 9039)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=40 00			1200 Secs (1200 Secs) [==>]		[2]	
	4	SEXTANS-A-OB321-L P3/1309/FP 3 (COS.sp.136 9039)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=40 00			1200 Secs (1200 Secs) [==>]		[2]	
	5	SEXTANS-A-OB321-L P3/1309/FP 4 (COS.sp.136 9039)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=40 00			2550 Secs (2550 Secs) [==>]		[3]	

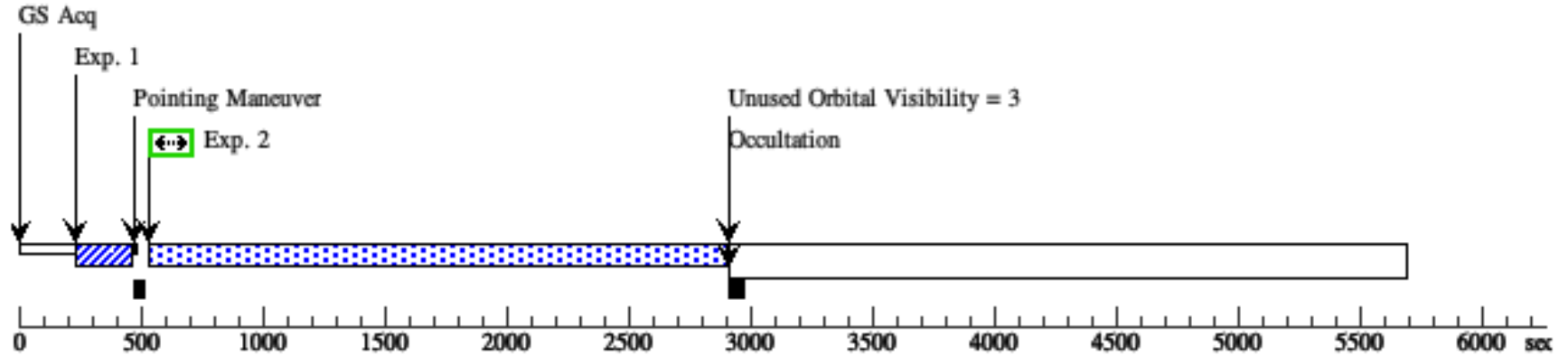


Proposal 15880 - SEXTANS-A-OB321-LP3/1309-REPEAT (23) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metalli...

Visit	Proposal 15880, SEXTANS-A-OB321-LP3/1309-REPEAT (23), completed								Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%									
Diagnostics	(SEXTANS-A-OB321-LP3/1309-REPEAT (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	SEXTANS-A-OB321	RA: 10 11 0.6600 (152.7527500d) Dec: -04 40 44.30 (-4.67897d) Equinox: J2000			V=19.6 09.71(f)		Reference Frame: ICRS		
	Comments: Category=EXT-STAR Description=[SUPERGIANT O] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	SEXTANS-A-OB321-T A (COS.ta.136 9929)	(13) SEXTANS-A-O B321	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5 Secs (5 Secs) [==>]	 [1]
	2	SEXTANS-A-OB321-L P3/1309/FP 2 (COS.sp.136 9039)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=40 00			2195 Secs (2195 Secs) [==>]	 [1]
	3	SEXTANS-A-OB321-L P3/1309/FP 4 (COS.sp.136 9039)	(13) SEXTANS-A-O B321	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=40 00			2550 Secs (2550 Secs) [==>]	 [2]

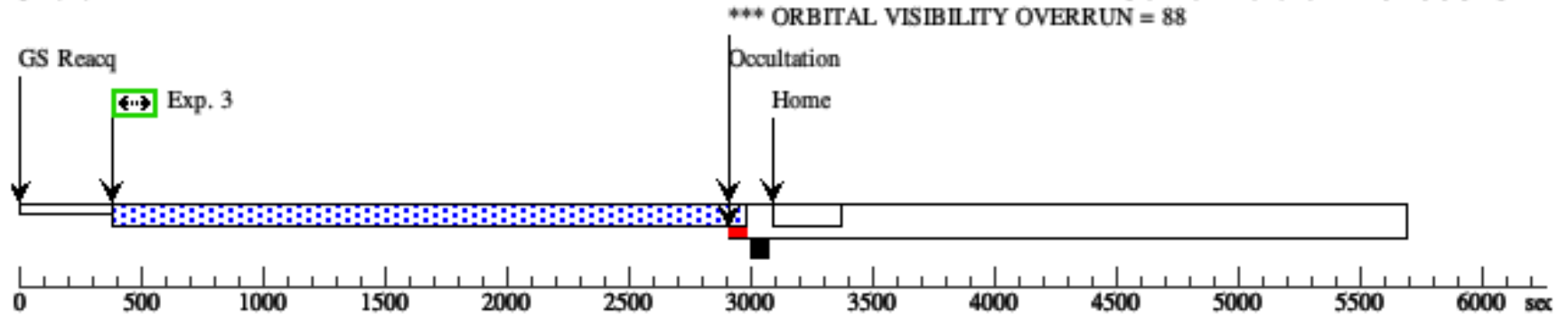
Orbit 1

Server Version: 20200619



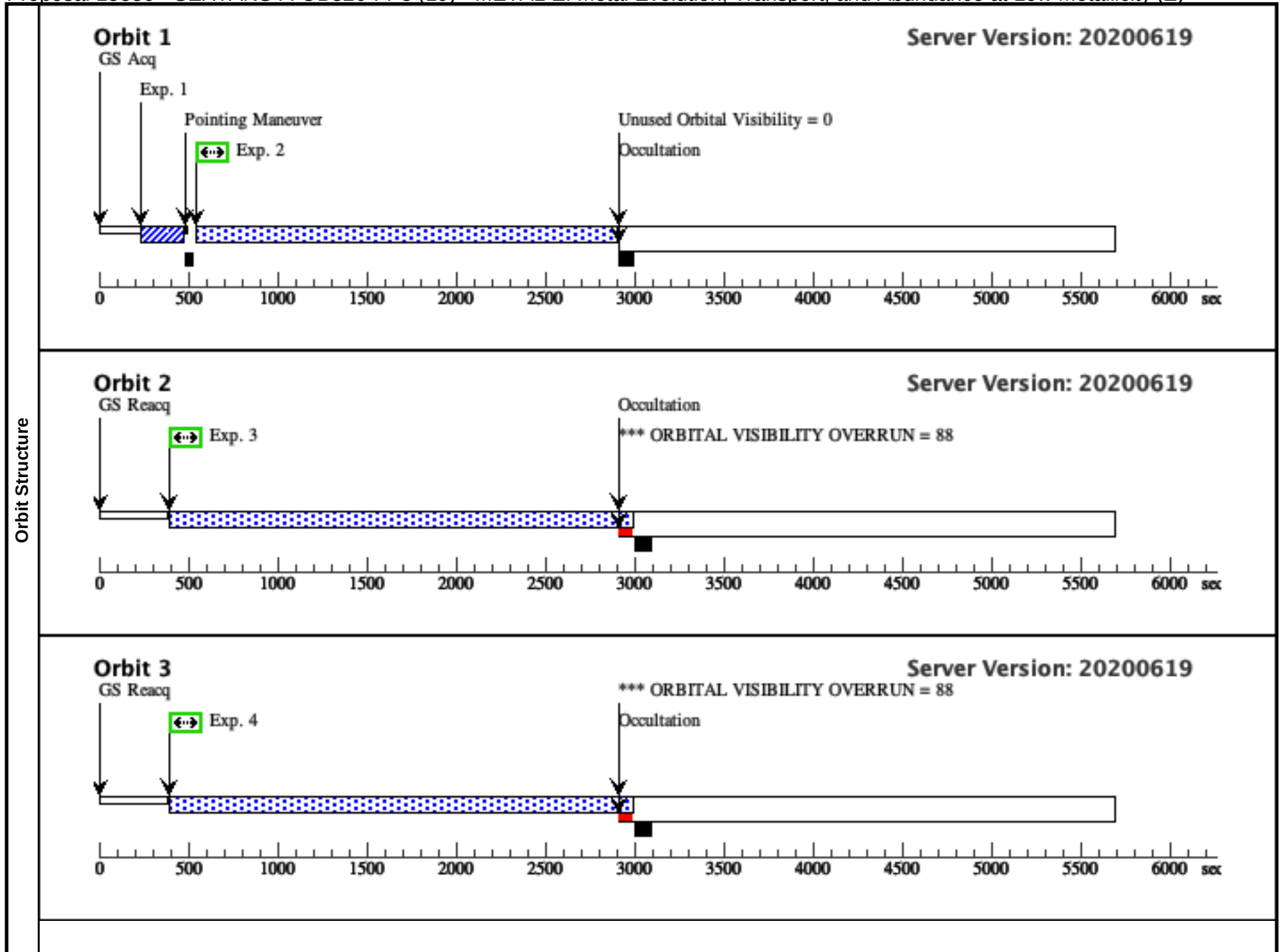
Orbit 2

Server Version: 20200619



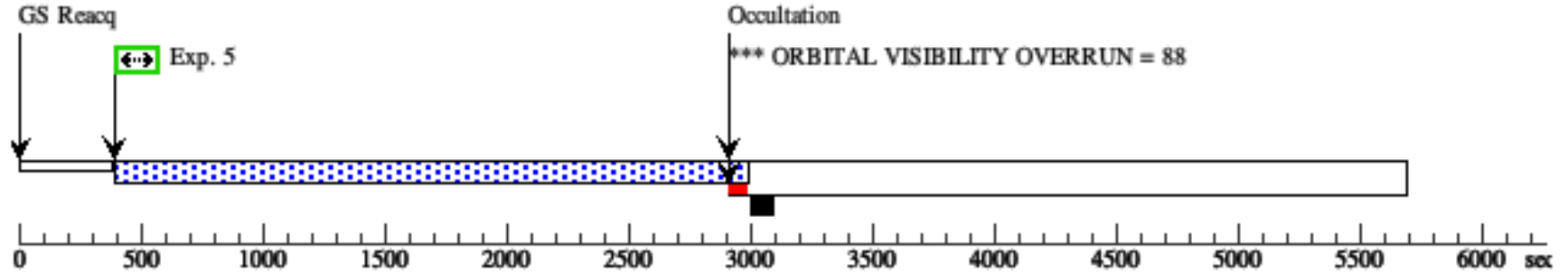
Proposal 15880 - SEXTANS-A-OB326-FP3 (19) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB326-FP3 (19), completed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB326-FP3 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB326-FP3 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB326-FP3 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB326-FP3 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(17)	SEXTANS-A-OB326	RA: 10 10 53.8000 (152.7241667d)				V=19.6		Reference Frame: ICRS			
			Dec: -04 41 13.00 (-4.68694d)				O7.5IIIf					
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	SEXTANS-A-OB326-T A (COS.ta.136 9924)	(17) SEXTANS-A-O B326	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				9 Secs (9 Secs)			
									[==>]		[1]	
	2	SEXTANS-A-OB326-1 291/FP3 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2195 Secs (2195 Secs)			
									[==>]		[1]	
	3	SEXTANS-A-OB326-1 291/FP3 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs)			
									[==>]		[2]	
	4	SEXTANS-A-OB326-1 291/FP3 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs)			
									[==>]		[3]	
	5	SEXTANS-A-OB326-1 291/FP3 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs)			
								[==>]		[4]		
6	SEXTANS-A-OB326-1 291/FP3 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs)				
								[==>]		[5]		



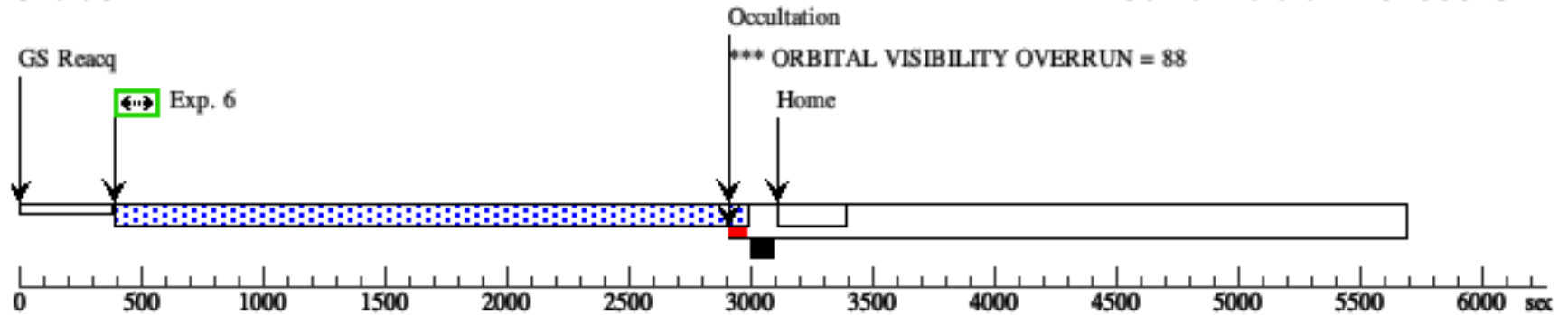
Orbit 4

Server Version: 20200619



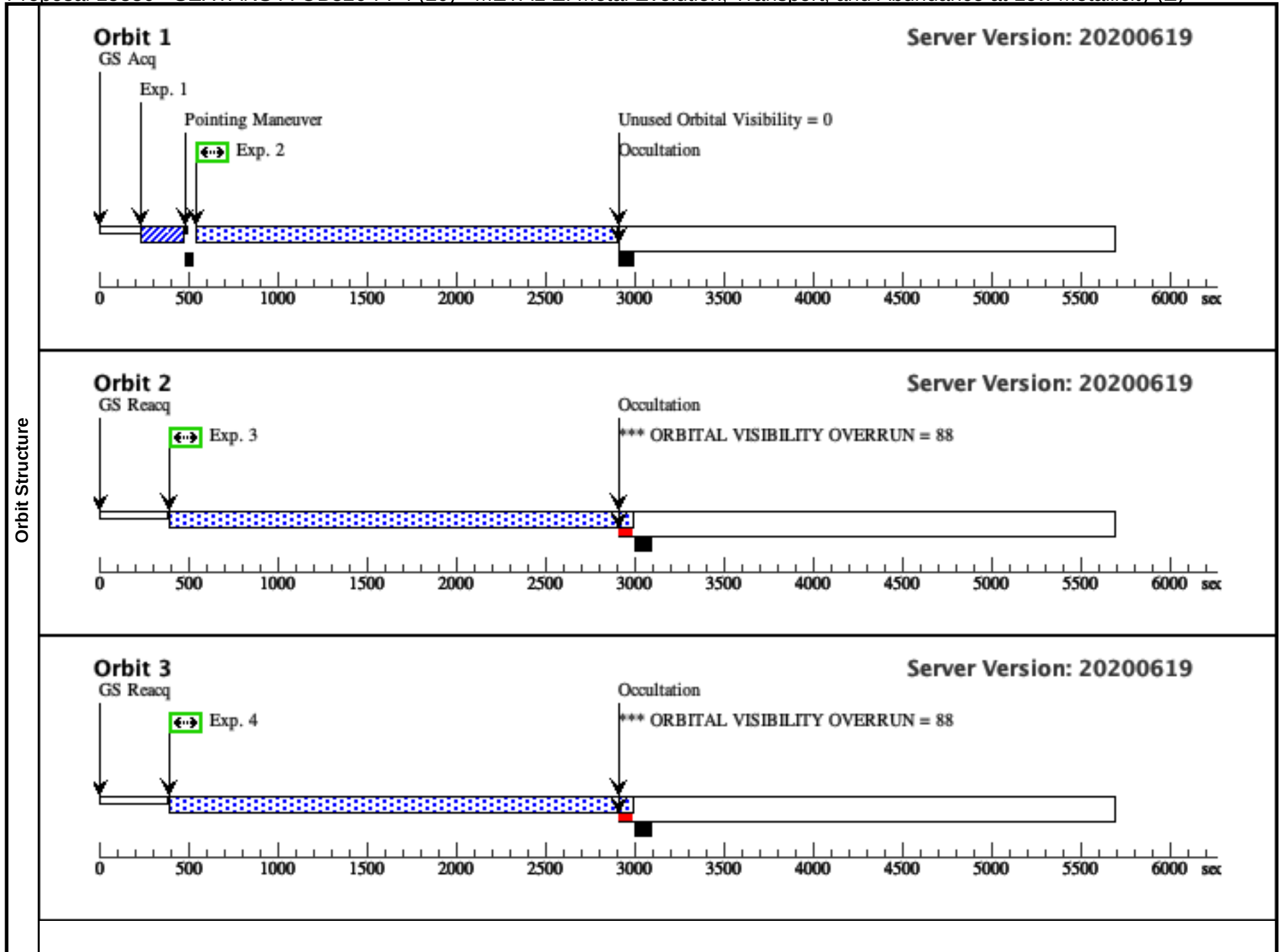
Orbit 5

Server Version: 20200619



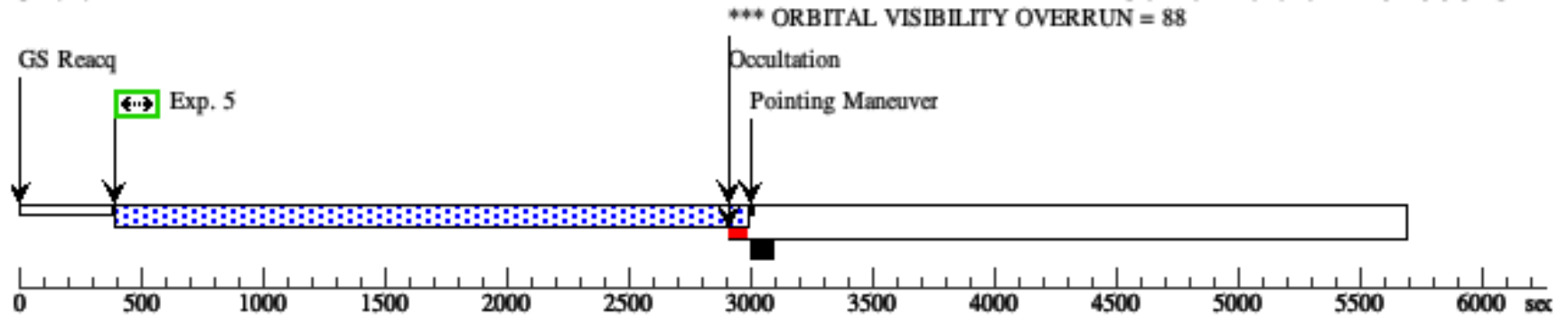
Proposal 15880 - SEXTANS-A-OB326-FP4 (20) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB326-FP4 (20), completed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB326-FP4 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB326-FP4 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB326-FP4 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB326-FP4 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(17)	SEXTANS-A-OB326	RA: 10 10 53.8000 (152.7241667d)				V=19.6		Reference Frame: ICRS			
			Dec: -04 41 13.00 (-4.68694d)				O7.5IIIf					
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	SEXTANS-A-OB326-T A (COS.ta.136 9924)	(17) SEXTANS-A-O B326	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				9 Secs (9 Secs)			
									[==>]		[1]	
	2	SEXTANS-A-OB326-1 291/FP4 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2195 Secs (2195 Secs)			
									[==>]		[1]	
	3	SEXTANS-A-OB326-1 291/FP4 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs)			
									[==>]		[2]	
	4	SEXTANS-A-OB326-1 291/FP4 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs)			
									[==>]		[3]	
	5	SEXTANS-A-OB326-1 291/FP4 (COS.sp.136 9053)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; LIFETIME-POS=L P4; BUFFER-TIME=30 00			2550 Secs (2550 Secs)			
								[==>]		[4]		
6	SEXTANS-A-OB326-L P3/1309/FP 4 (COS.sp.136 9040)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=4; LIFETIME-POS=L P3; BUFFER-TIME=30 00			2550 Secs (2550 Secs)				
								[==>]		[5]		



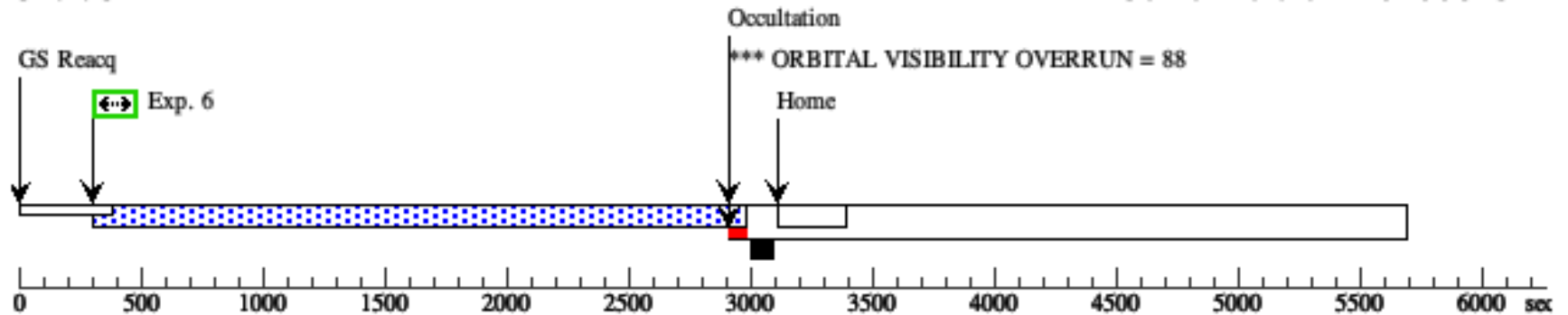
Orbit 4

Server Version: 20200619



Orbit 5

Server Version: 20200619



Proposal 15880 - SEXTANS-A-OB326-LP3/1309 (21) - METAL-Z: Metal Evolution, Transport, and Abundance at Low Metallicity (Z)

Visit	Proposal 15880, SEXTANS-A-OB326-LP3/1309 (21), completed										Tue Jul 14 22:00:51 GMT 2020	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Diagnostics	(SEXTANS-A-OB326-LP3/1309 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(SEXTANS-A-OB326-LP3/1309 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(17)	SEXTANS-A-OB326	RA: 10 10 53.8000 (152.7241667d) Dec: -04 41 13.00 (-4.68694d) Equinox: J2000					V=19.6 O7.5IIIf		Reference Frame: ICRS		
	Comments: Category=EXT-STAR Description=[GIANT O] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	SEXTANS-A-OB326-T A (COS.ta.136 9924)	(17) SEXTANS-A-O B326	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				9 Secs (9 Secs) [==>]		[1]
	2	SEXTANS-A-OB326-L P3/1309/FP 1 (COS.sp.136 9040)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=1; LIFETIME-POS=L P3; BUFFER-TIME=40 00			2190 Secs (2190 Secs) [==>]		[1]
	3	SEXTANS-A-OB326-L P3/1309/FP 2 (COS.sp.136 9040)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=2; LIFETIME-POS=L P3; BUFFER-TIME=40 00			2550 Secs (2550 Secs) [==>]		[2]
	4	SEXTANS-A-OB326-L P3/1309/FP 3 (COS.sp.136 9040)	(17) SEXTANS-A-O B326	COS/FUV, TIME-TAG, PSA		G130M 1309 A	FP-POS=3; LIFETIME-POS=L P3; BUFFER-TIME=40 00			2550 Secs (2550 Secs) [==>]		[3]

