14784 - HAZMAT: Habitable Zones and M dwarf Activity across Time

Cycle: 24, Proposal Category: GO

(UV Initiative)

(Availability Mode: AVAILABLE)

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) GSC8056-0482	COS/FUV COS/NUV	5	04-Feb-2019 11:00:23.0	yes
02	(1) GSC8056-0482	COS/FUV COS/NUV	4	04-Feb-2019 11:00:25.0	yes
03	(2) 2MASSJ02543316-5108313	COS/FUV COS/NUV	2	04-Feb-2019 11:00:27.0	yes
04	(3) 2MASSJ02001277-0840516	COS/FUV COS/NUV	2	04-Feb-2019 11:00:29.0	yes
54	(3) 2MASSJ02001277-0840516	COS/FUV COS/NUV	2	04-Feb-2019 11:00:31.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(27) 2MASSJ02125819-5851182	COS/FUV COS/NUV	2	04-Feb-2019 11:00:33.0	yes
06	(5) 2MASSJ22025453-6440441	COS/FUV COS/NUV	2	04-Feb-2019 11:00:35.0	yes
07	(6) 2MASSJ00240899-6211042	COS/FUV COS/NUV	2	04-Feb-2019 11:00:37.0	yes
08	(7) 2MASSJ01521830-5950168	COS/FUV COS/NUV	2	04-Feb-2019 11:00:39.0	yes
09	(8) 2MASSJ03315564-4359135	COS/FUV COS/NUV	6	04-Feb-2019 11:00:41.0	yes
10	(8) 2MASSJ03315564-4359135	COS/FUV COS/NUV	4	04-Feb-2019 11:00:42.0	yes
11	(9) 2MASSJ23261069-7323498	COS/FUV COS/NUV	2	04-Feb-2019 11:00:44.0	yes
12	(10) 2MASSJ23285763-6802338	COS/FUV COS/NUV	2	04-Feb-2019 11:00:46.0	yes
13	(11) 2MASSJ00393579-3816584	COS/FUV COS/NUV	2	04-Feb-2019 11:00:48.0	yes
14	(28) 2MASSJ22463471-7353504	COS/FUV COS/NUV	3	04-Feb-2019 11:00:50.0	yes
15	(13) GJ3290	COS/NUV	2	04-Feb-2019 11:00:51.0	yes
16	(13) GJ3290	COS/FUV	4	04-Feb-2019 11:00:51.0	yes
17	(13) GJ3290	COS/FUV	4	04-Feb-2019 11:00:52.0	yes
18	(13) GJ3290	COS/FUV	4	04-Feb-2019 11:00:53.0	yes
19	(13) GJ3290	COS/FUV	4	04-Feb-2019 11:00:53.0	yes
20	(15) LP415-1619	COS/NUV	2	04-Feb-2019 11:00:54.0	yes
21	(15) LP415-1619	COS/FUV	4	04-Feb-2019 11:00:54.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
22	(15) LP415-1619	COS/FUV	4	04-Feb-2019 11:00:55.0	yes
23	(15) LP415-1619	COS/FUV	4	04-Feb-2019 11:00:56.0	yes
24	(15) LP415-1619	COS/FUV	4	04-Feb-2019 11:00:56.0	yes
25	(32) LP5-282	COS/FUV COS/NUV	5	04-Feb-2019 11:00:57.0	yes
26	(32) LP5-282	COS/FUV COS/NUV	3	04-Feb-2019 11:00:58.0	yes
27	(20) TYC1265-1118-1	COS/FUV COS/NUV	5	04-Feb-2019 11:00:59.0	yes
28	(20) TYC1265-1118-1	COS/FUV COS/NUV	4	04-Feb-2019 11:01:00.0	yes
29	(21) MELOTTE25HAN192	COS/FUV COS/NUV	5	04-Feb-2019 11:01:01.0	yes
30	(21) MELOTTE25HAN192	COS/FUV COS/NUV	4	04-Feb-2019 11:01:02.0	yes
31	(19) MELOTTE25REID176	COS/NUV	6	04-Feb-2019 11:01:03.0	yes
32	(29) G75-55	COS/FUV COS/NUV	3	04-Feb-2019 11:01:05.0	yes
33	(30) LTT2050	COS/FUV COS/NUV	3	04-Feb-2019 11:01:07.0	yes
34	(31) GJ3997	COS/FUV COS/NUV	3	04-Feb-2019 11:01:09.0	yes
55	(29) G75-55	COS/FUV COS/NUV	4	04-Feb-2019 11:01:12.0	yes
56	(30) LTT2050	COS/FUV COS/NUV	3	04-Feb-2019 11:01:14.0	yes
57	(30) LTT2050	COS/FUV COS/NUV	5	04-Feb-2019 11:01:17.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
58	(19) MELOTTE25REID176	COS/NUV	6	04-Feb-2019 11:01:19.0	yes
59	(19) MELOTTE25REID176	COS/NUV	3	04-Feb-2019 11:01:20.0	yes
60	(21) MELOTTE25HAN192	COS/FUV COS/NUV	4	04-Feb-2019 11:01:21.0	yes

144 Total Orbits Used

ABSTRACT

Because M dwarfs make up 75% of the stars in our galaxy and 50% of them host small planets in the habitable zone (HZ), most of the detectable HZ planets must orbit M dwarfs. The star's UV radiation can destroy or alter the planet's atmosphere, which is a necessary condition for detectable surface life. Assessing the lifetime exposure of a planet to stellar UV radiation is critical to our understanding of both the evolution of life and our ability to identify it. We propose to observe a statistical sample of early M stars with well-determined ages to map the evolution of the full UV spectral range. We will use the diagnostic near-UV and far-UV emission lines accessible only with HST's COS to guide new upper-atmosphere models and produce the full stellar spectrum for a wide range of ages. These empirically-guided models will predict the unobservable extreme-UV fluxes, which most strongly affect the heating and erosion of planetary atmospheres. Our carefully-constructed sample consists of cluster or young moving group (YMG) members at ages during the greatest UV evolution. We will target 12 highly-active Tuc-Hor YMG members (40 Myr), 10 intermediately-active Hyades members (650 Myr), and 10 weakly-active old M dwarfs (~Gyr). This program will provide the stellar and planetary communities with a comprehensive study of the UV history of M stars, a realistic full-wavelength grid of model spectra, and tell us which planets in the canonical HZ are most likely to be habitable.

OBSERVING DESCRIPTION

Our observations will be the first comprehensive study of the UV evolution of early Ms, from Myrs to Gyrs. We compiled a sample of XXX early-Ms (including existing data from AU Mic and six MUSCLES targets) to probe the breadth of UV emission at the three ages where significant UV evolution is observed: the Tuc-Hor YMG (40 Myr; Kraus, Shkolnik, Allers & Liu 2014), the Hyades (650 Myrs; Perryman et al. 1998), and old nearby stars (2-5 Gyrs). The Hyades provide a critical benchmark for intermediate-aged stars that demonstrate the turning-point in UV evolution and, consequently, in HZ planetary evolution as well.

For acquisition of the target we require an ACQ/SEARCH in some cases and an ACQ/IMAGE exposure for all cases in the NUV with exposure

times between 1 and 60 s. After recording a G230L (2950) spectrum to measure the NUV slope, we need two FUV exp withosures: G130M (1291) and G160M (1577). We observe the at the three settings consecutively, within one visit for most stars. For the fainter stars, we will need two visits which should be scheduled one after the other whenever possible, or as close in time as feasible.

The exposure times are calculated with the COS/ETC and published fluxes from the M dwarfs observed as part of the MUSCLES program (France et al. 2016) scaled by GALEX NUV and FUV magnitudes (Table 1). We require a minimum S/N of 5 in the weaker emission lines, which allows the stronger emission features to have S/N of 20-40.

Visit

Proposal 14784, GSC8056-0482-V1 (01), completed Mon Feb 04 16:01:21 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(GSC8056-0482-V1 (01)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(GSC8056-0482-V1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

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(GSC8056-0482-V1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GSC8056-0482-V1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

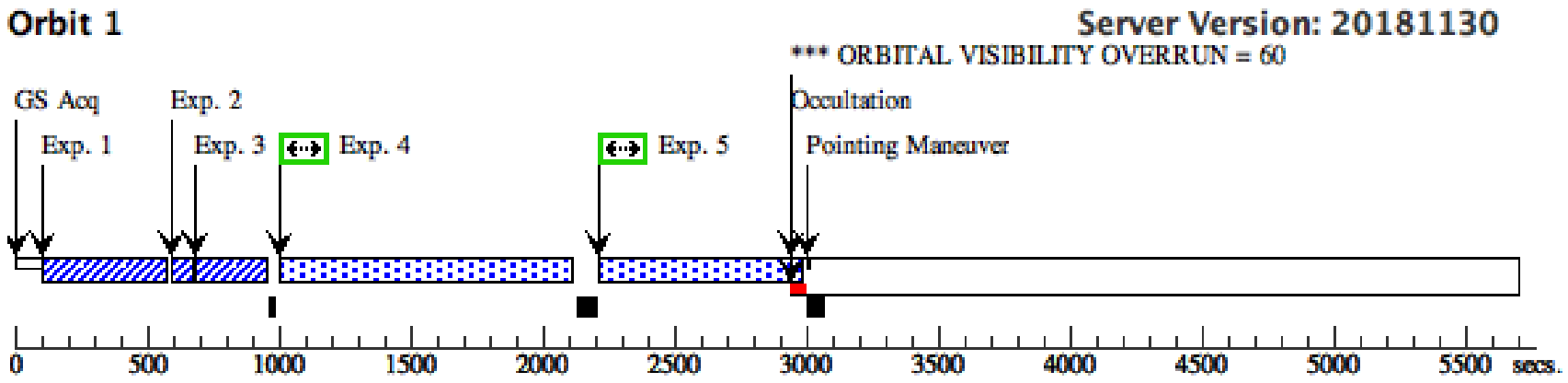
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	GSC8056-0482	RA: 02 36 51.7051 (39.2154379d) Dec: -52 03 3.64 (-52.05101d) Equinox: J2000	Proper Motion RA: 102.2 mas/yr Proper Motion Dec: 1.2 mas/yr Epoch of Position: 2000 Radial Velocity: 12.0 km/sec	V=12.411 GALEX (FUV, NUV) mag = (20.487, 18.379)	Reference Frame: ICRS

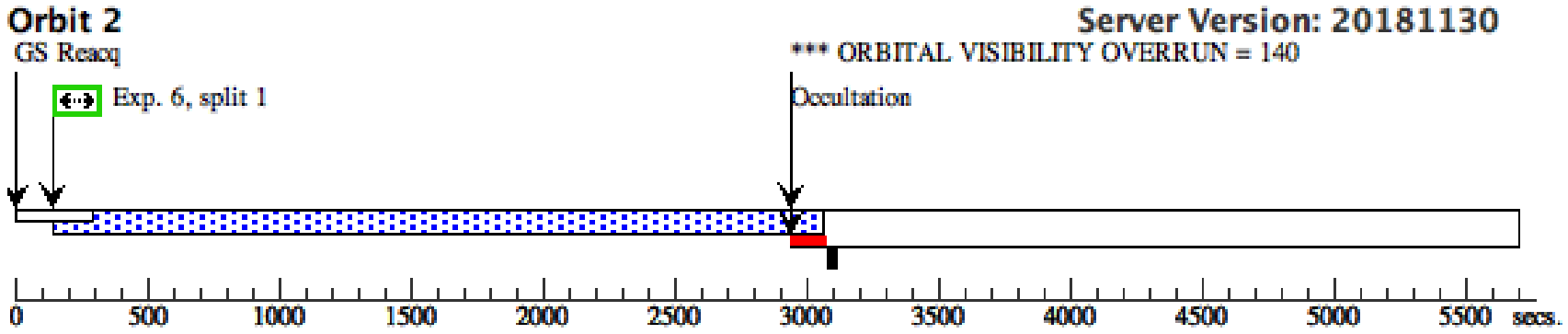
Comments: Tuc-Hor member, Flare star
Category=STAR
Description=[M V-IV]
Extended=NO

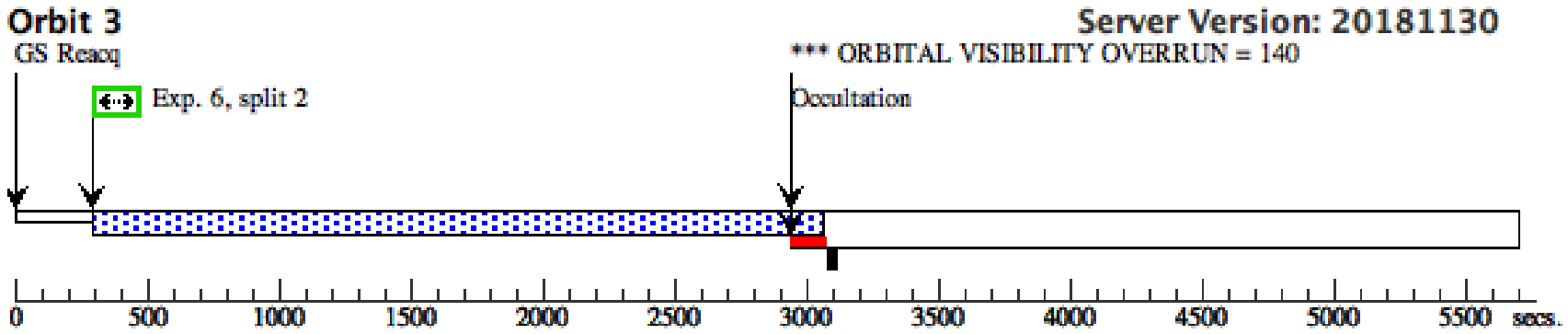
Exposures

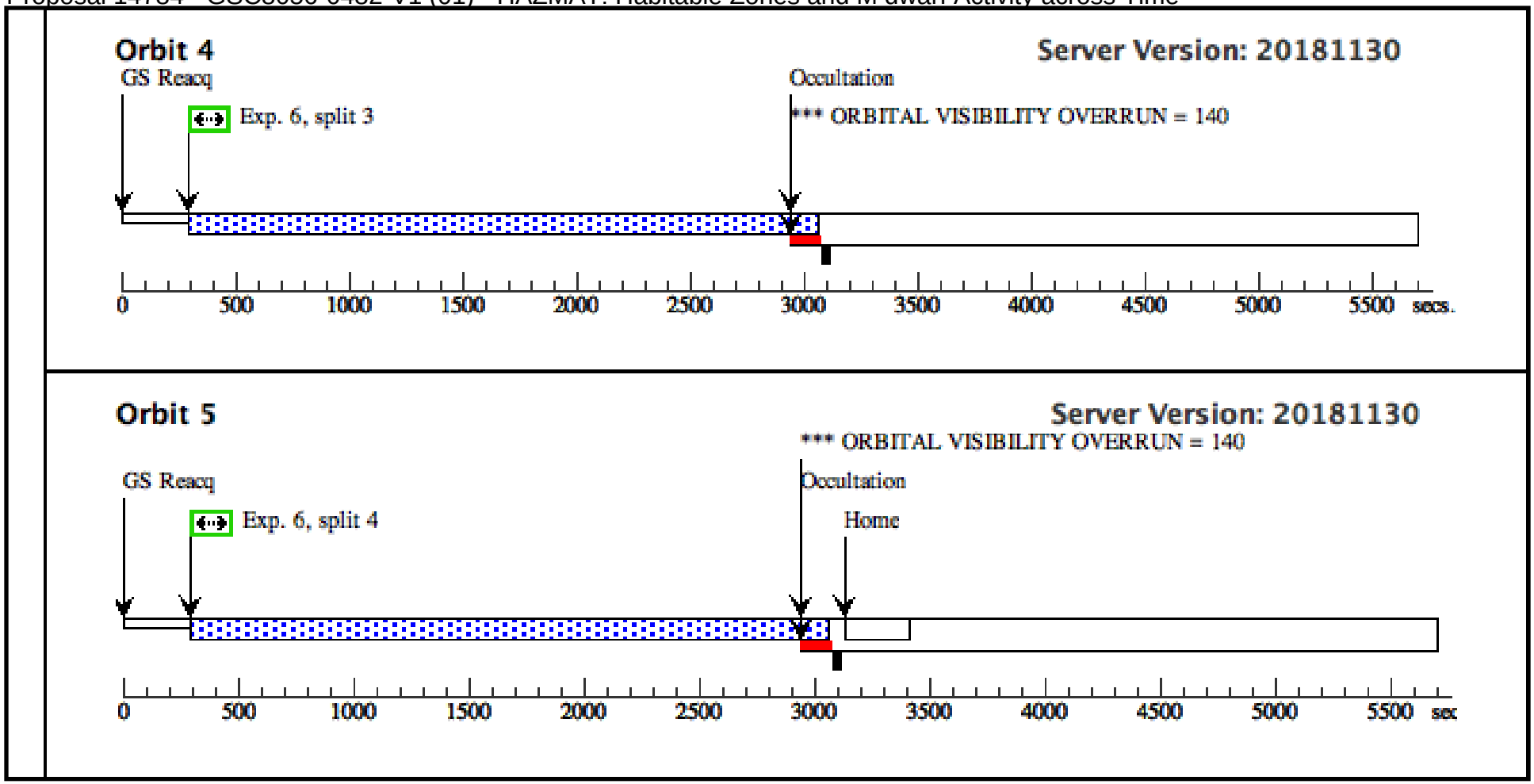
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GSC8056-0482-ACQ/SEARCH (COS.sa.996803)	(1) GSC8056-0482	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			24.4 Secs (24.4 Secs) *[==>]*	 ***[1]***
2	GSC8056-0482-ACQ/PEAKXD (COS.sa.1003518)	(1) GSC8056-0482	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				18.8 Secs (18.8 Secs) *[==>]*	 ***[1]***
3	GSC8056-0482-ACQ/PEAKD (COS.sa.996803)	(1) GSC8056-0482	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			24.4 Secs (24.4 Secs) *[==>]*	 ***[1]***
4	GSC8056-0482, G230L (COS.sp.824146)	(1) GSC8056-0482	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			1188 Secs (1030 Secs) *[==>1030.0 Secs]*	 ***[1]***
5	GSC8056-0482, G230L (COS.sp.824146)	(1) GSC8056-0482	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			1188 Secs (754 Secs) *[==>754.0 Secs]*	 ***[1]***
6	GSC8056-0482, G160M (COS.sp.824161)	(1) GSC8056-0482	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			2700 Secs (10862 Secs) *[==>2714.0 Secs (Split 1)]* *[==>2716.0 Secs (Split 2)]* *[==>2716.0 Secs (Split 3)]* *[==>2716.0 Secs (Split 4)]*	 ***[2]*** ***[3]*** ***[4]*** ***[5]***

Orbit Structure








Orbit 4
Server Version: 20181130
GS Reacq
Exp. 6, split 3
Occultation
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500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Orbit 5
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 6, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, GSC8056-0482-V2 (02), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%; AFTER 01 BY 6 Orbits TO 2 D

Comments: Visits for the same target should be spaced as close together in time as possible, please.

Diagnostics

(GSC8056-0482, G130M (02.004)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(GSC8056-0482-V2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GSC8056-0482-V2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GSC8056-0482-V2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GSC8056-0482-V2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GSC8056-0482, G130M (02.004)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

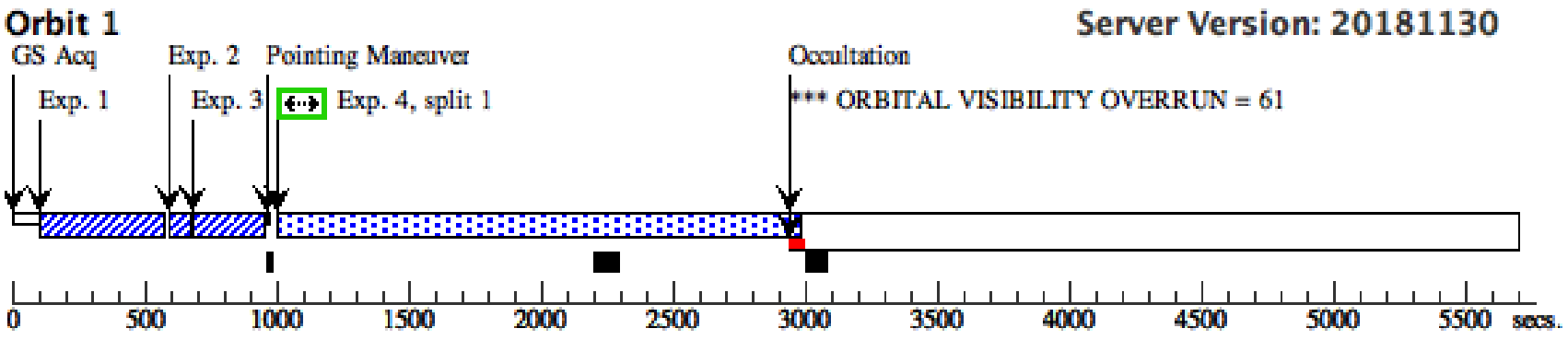
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	GSC8056-0482	RA: 02 36 51.7051 (39.2154379d) Dec: -52 03 3.64 (-52.05101d) Equinox: J2000	Proper Motion RA: 102.2 mas/yr Proper Motion Dec: 1.2 mas/yr Epoch of Position: 2000 Radial Velocity: 12.0 km/sec	V=12.411 GALEX (FUV, NUV) mag = (20.487, 18.379)	Reference Frame: ICRS

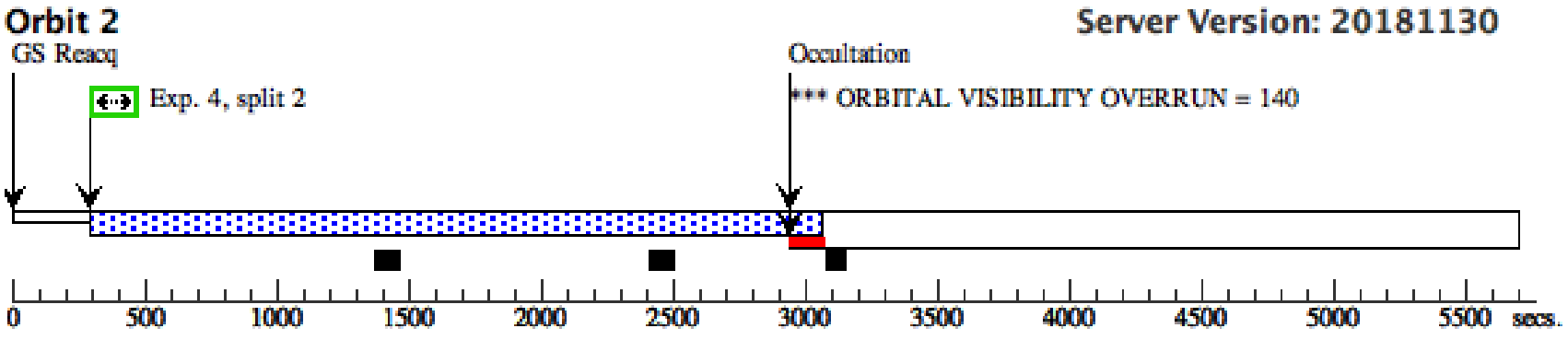
Comments: Tuc-Hor member, Flare star
Category=STAR
Description=[M V-IV]
Extended=NO

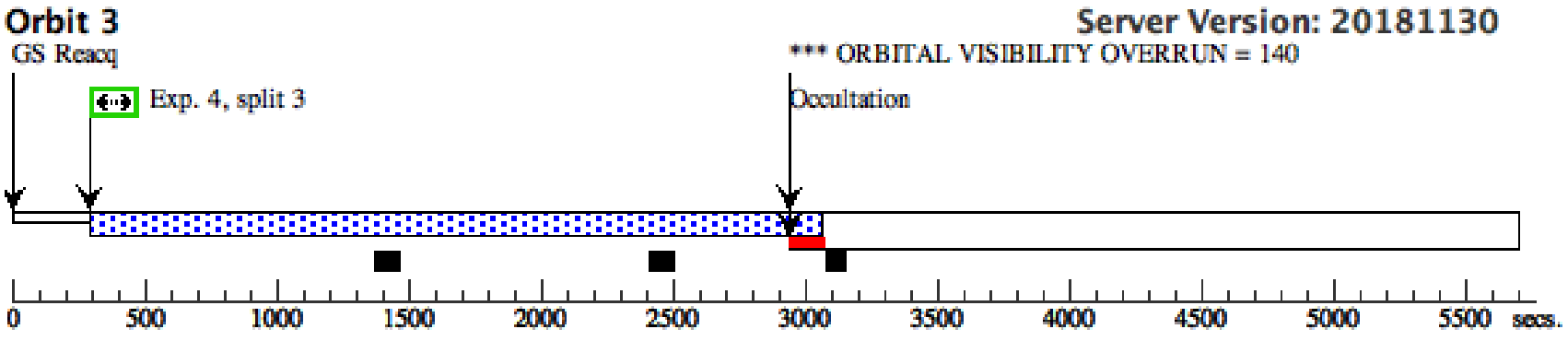
Exposures

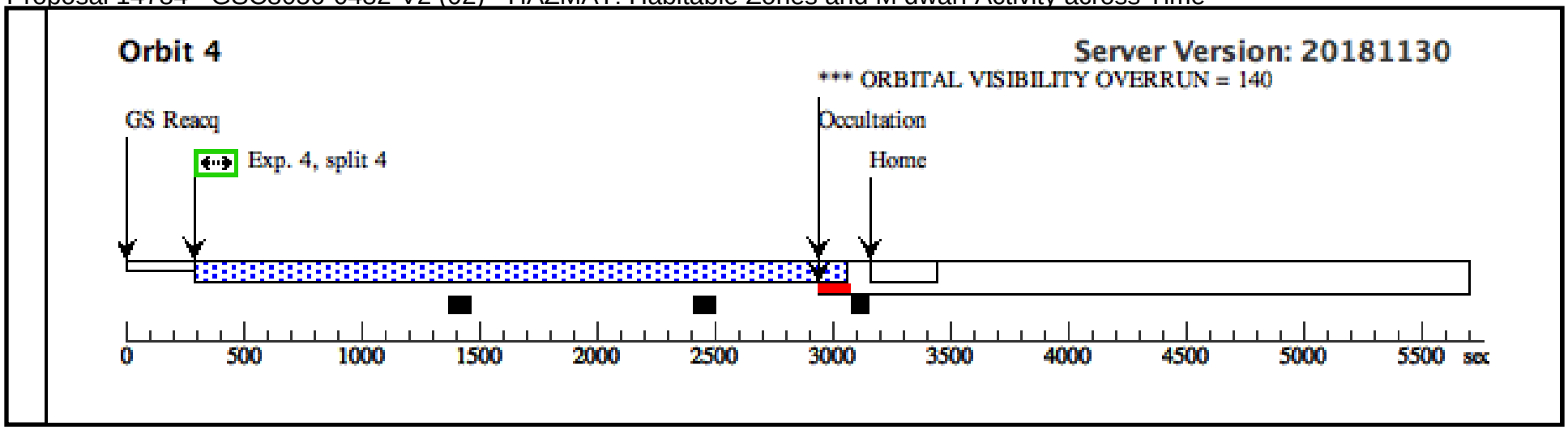
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GSC8056-0482-ACQ/SEARCH (COS.sa.996803)	(1) GSC8056-0482	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			24.4 Secs (24.4 Secs) *[==>]*	 ***[1]***
2	GSC8056-0482-ACQ/PEAKXD (COS.sa.1003518)	(1) GSC8056-0482	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				18.8 Secs (18.8 Secs) *[==>]*	 ***[1]***
3	GSC8056-0482-ACQ/PEAKD (COS.sa.996803)	(1) GSC8056-0482	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			24.4 Secs (24.4 Secs) *[==>]*	 ***[1]***
4	GSC8056-0482, G130M (COS.sp.824164)	(1) GSC8056-0482	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			2700 Secs (9956 Secs) *[==>1808.0 Secs (Split 1)]* *[==>2716.0 Secs (Split 2)]* *[==>2716.0 Secs (Split 3)]* *[==>2716.0 Secs (Split 4)]*	 ***[1]*** ***[2]*** ***[3]*** ***[4]***

Orbit Structure








Orbit 4
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GS Reacq
Exp. 4, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ02543316-5108313 (03), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ02543316-5108313, G130M (03.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ02543316-5108313 (03)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ02543316-5108313 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ02543316-5108313 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ02543316-5108313, G130M (03.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

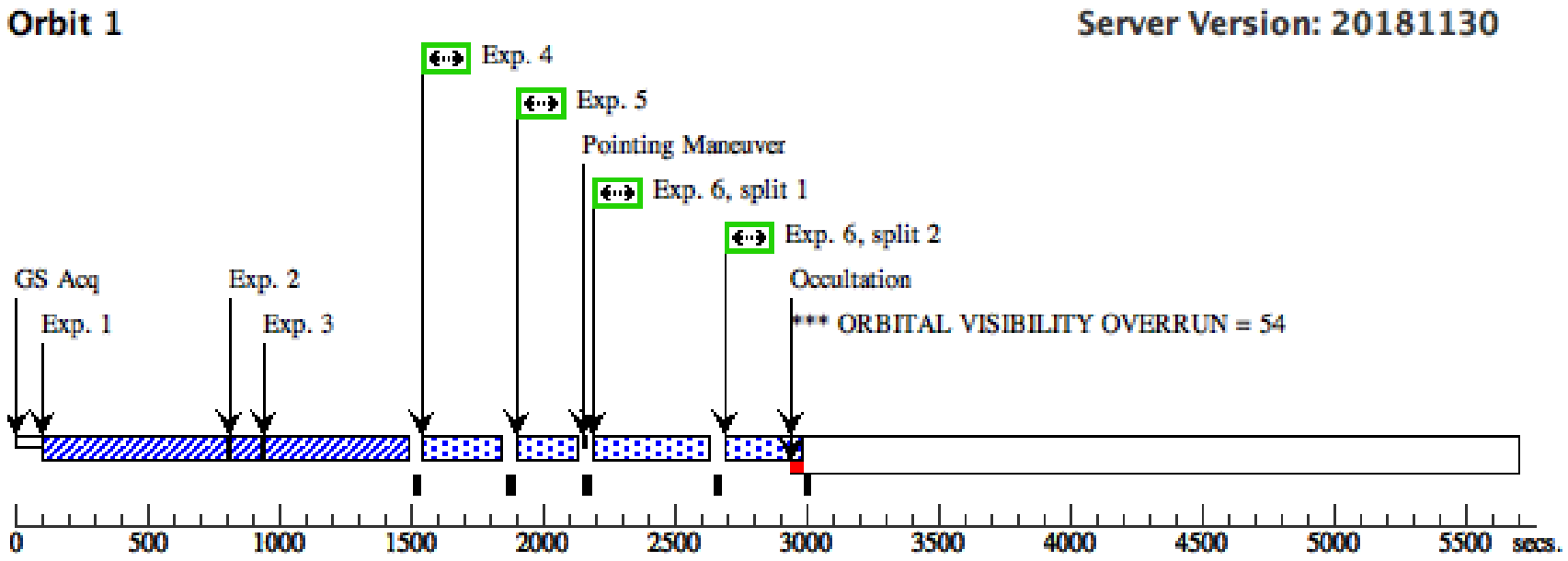
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	2MASSJ02543316-5108313	RA: 02 54 33.1642 (43.6381842d) Dec: -51 08 31.41 (-51.14206d) Equinox: J2000	Proper Motion RA: 92 mas/yr Proper Motion Dec: -11.9 mas/yr Epoch of Position: 2000	V=12.21 GALEX (FUV, NUV) mag = (20.6463127, 9.1920948)	Reference Frame: ICRS

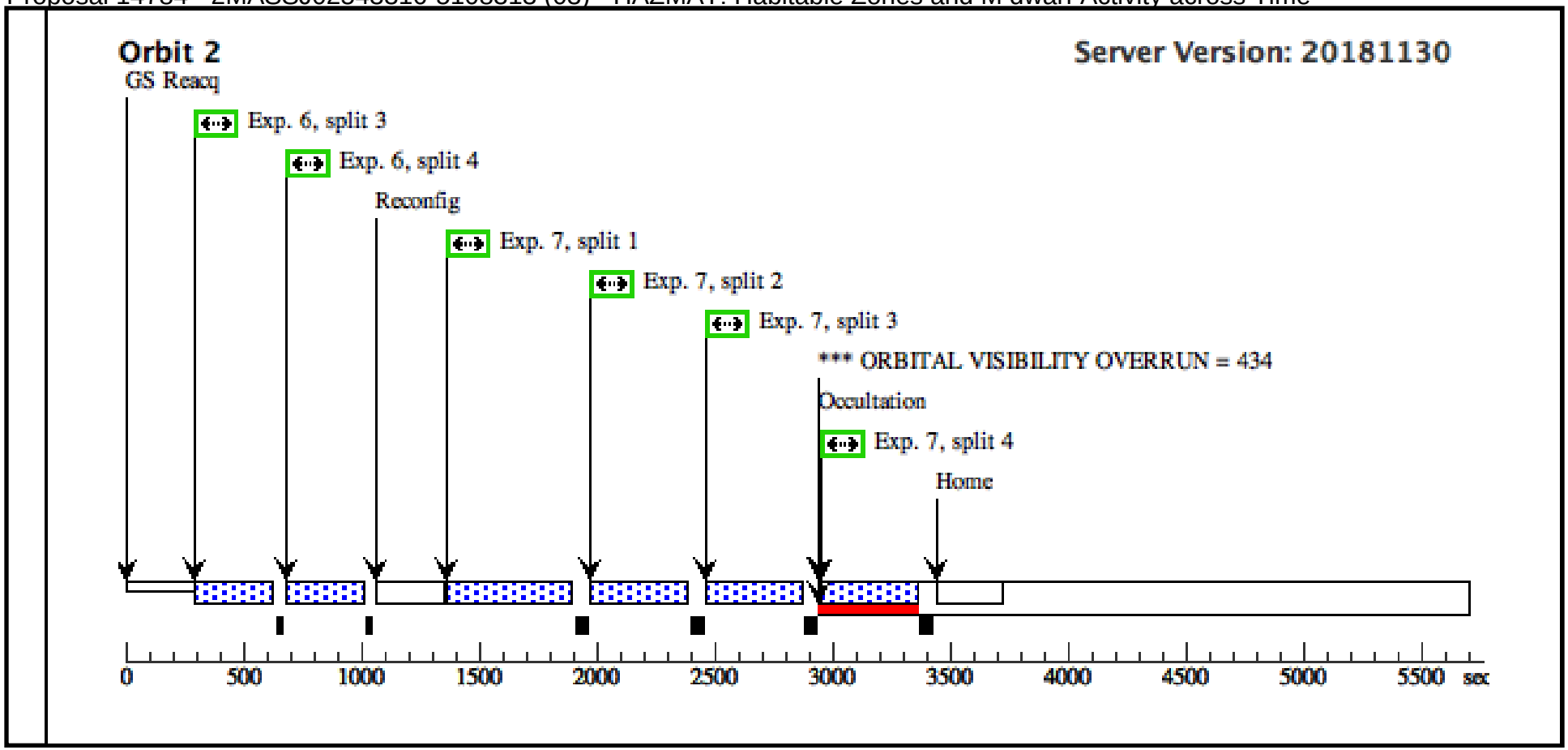
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ02543316-5108313-ACQ/SEARCH (COS.sa.996827)	(2) 2MASSJ02543316-5108313	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			80.7 Secs (80.7 Secs) *[==>]*	*[1]*
2	2MASSJ02543316-5108313-ACQ/PEAKXD (COS.sa.1003521)	(2) 2MASSJ02543316-5108313	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				55.1 Secs (55.1 Secs) *[==>]*	*[1]*
3	2MASSJ02543316-5108313-ACQ/PEAKD (COS.sa.996827)	(2) 2MASSJ02543316-5108313	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			80.7 Secs (80.7 Secs) *[==>]*	*[1]*
4	2MASSJ02543316-5108313, G230L (COS.sp.824146)	(2) 2MASSJ02543316-5108313	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			214 Secs (214 Secs) *[==>]*	*[1]*
5	2MASSJ02543316-5108313, G230L (COS.sp.824146)	(2) 2MASSJ02543316-5108313	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			213 Secs (213 Secs) *[==>]*	*[1]*
6	2MASSJ02543316-5108313, G160M (COS.sp.824161)	(2) 2MASSJ02543316-5108313	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			234 Secs (1026 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>279.0 Secs (Split 3)]* *[==>279.0 Secs (Split 4)]*	*[1]* *[2]*
7	2MASSJ02543316-5108313, G130M (COS.sp.824164)	(2) 2MASSJ02543316-5108313	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			309 Secs (1416 Secs) *[==>354.0 Secs (Split 1)]* *[==>354.0 Secs (Split 2)]* *[==>354.0 Secs (Split 3)]* *[==>354.0 Secs (Split 4)]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 3
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
*** ORBITAL VISIBILITY OVERRUN = 434
Occultation
Exp. 7, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ02001277-0840516 (04), failed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ02001277-0840516, G130M (04.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ02001277-0840516 (04)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ02001277-0840516 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ02001277-0840516 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ02001277-0840516, G130M (04.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

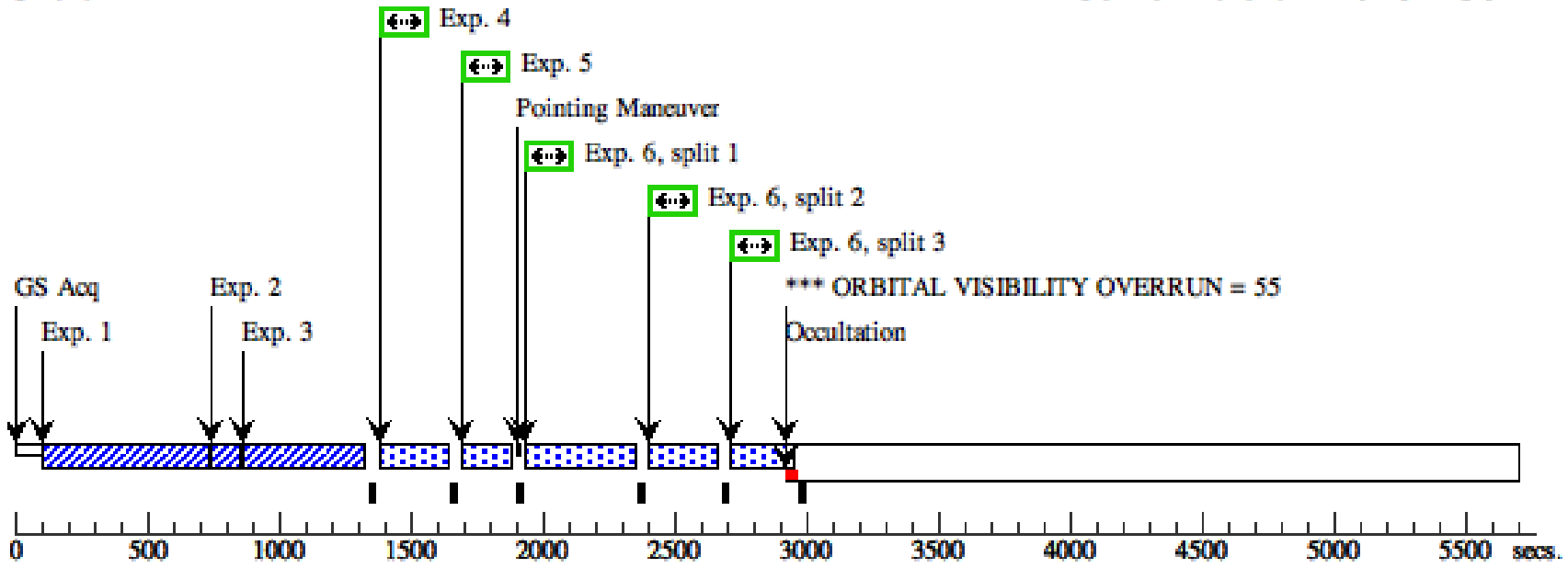
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	2MASSJ02001277-0840516	RA: 02 00 12.7771 (30.0532379d) Dec: -08 40 51.93 (-8.68109d) Equinox: J2000	Proper Motion RA: 112.1 mas/yr Proper Motion Dec: -63.3 mas/yr Epoch of Position: 2000	V=12.464 GALEX (FUV, NUV) mag = (20.60133, 9.0376072)	Reference Frame: ICRS

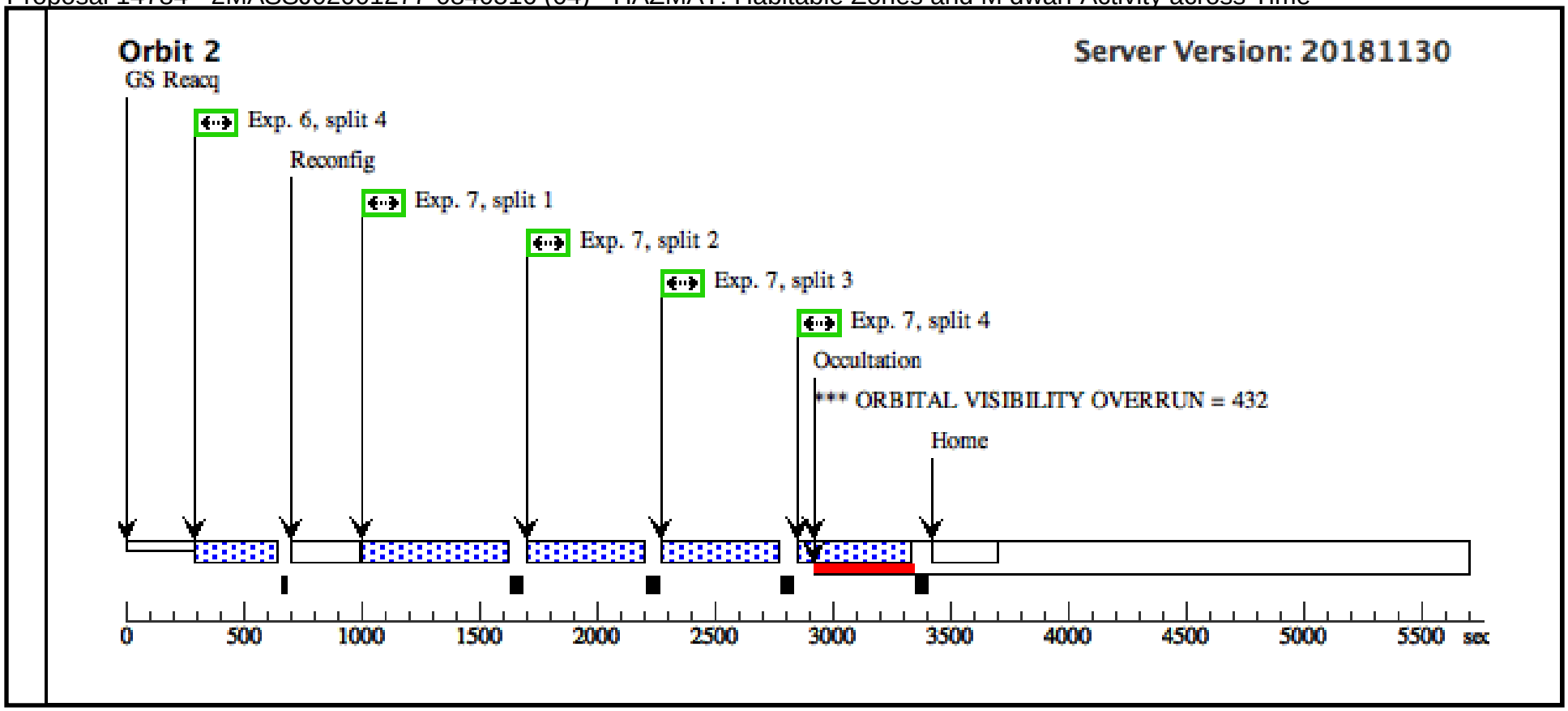
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ02001277-0840516-ACQ/SEARCH (COS.sa.996831)	(3) 2MASSJ02001277-0840516	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			63.6 Secs (63.6 Secs) *[==>]*	***[1]***
2	2MASSJ02001277-0840516-ACQ/PEAKXD (COS.sa.1003526)	(3) 2MASSJ02001277-0840516	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				44.4 Secs (44.4 Secs) *[==>]*	***[1]***
3	2MASSJ02001277-0840516-ACQ/PEAKD (COS.sa.996831)	(3) 2MASSJ02001277-0840516	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			63.6 Secs (63.6 Secs) *[==>]*	***[1]***
4	2MASSJ02001277-0840516, G230L (COS.sp.824146)	(3) 2MASSJ02001277-0840516	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			297 Secs (176 Secs) *[==>176.0 Secs]*	***[1]***
5	2MASSJ02001277-0840516, G230L (COS.sp.824146)	(3) 2MASSJ02001277-0840516	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			297 Secs (176 Secs) *[==>176.0 Secs]*	***[1]***
6	2MASSJ02001277-0840516, G160M (COS.sp.824161)	(3) 2MASSJ02001277-0840516	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			300 Secs (900 Secs) *[==>206.0 Secs (Split 1)]* *[==>206.0 Secs (Split 2)]* *[==>192.0 Secs (Split 3)]* *[==>296.0 Secs (Split 4)]*	***[1]*** ***[2]***
7	2MASSJ02001277-0840516, G130M (COS.sp.824164)	(3) 2MASSJ02001277-0840516	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			383 Secs (1761 Secs) *[==>443.0 Secs (Split 1)]* *[==>443.0 Secs (Split 2)]* *[==>443.0 Secs (Split 3)]* *[==>432.0 Secs (Split 4)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
Exp. 7, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 432
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, Repeat of failed visit 04: 2MASSJ02001277-0840516 (54), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: Visit 04 failed due to an HST safing event on 8/10/2017.

Diagnostics

(2MASSJ02001277-0840516, G130M (54.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(Repeat of failed visit 04: 2MASSJ02001277-0840516 (54)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(Repeat of failed visit 04: 2MASSJ02001277-0840516 (54)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Repeat of failed visit 04: 2MASSJ02001277-0840516 (54)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ02001277-0840516, G130M (54.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

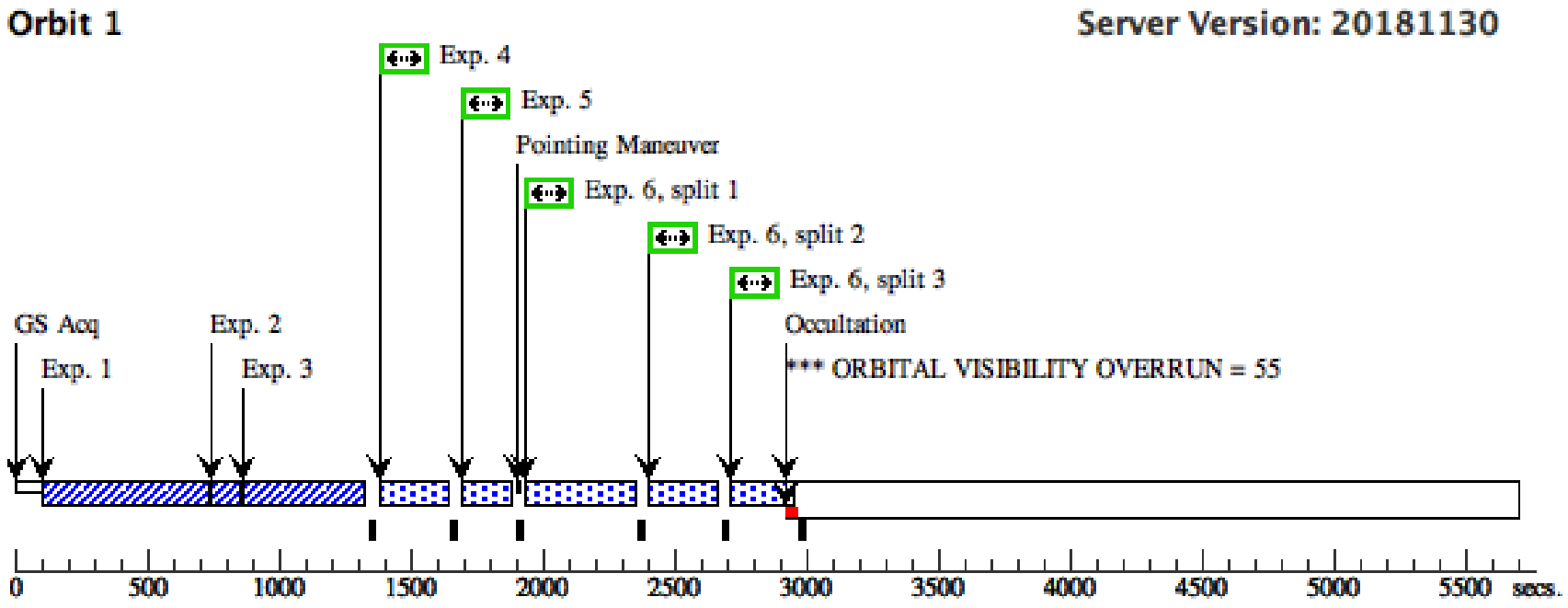
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	2MASSJ02001277-0840516	RA: 02 00 12.7771 (30.0532379d) Dec: -08 40 51.93 (-8.68109d) Equinox: J2000	Proper Motion RA: 112.1 mas/yr Proper Motion Dec: -63.3 mas/yr Epoch of Position: 2000	V=12.464 GALEX (FUV, NUV) mag = (20.60133, 9.0376072)	Reference Frame: ICRS

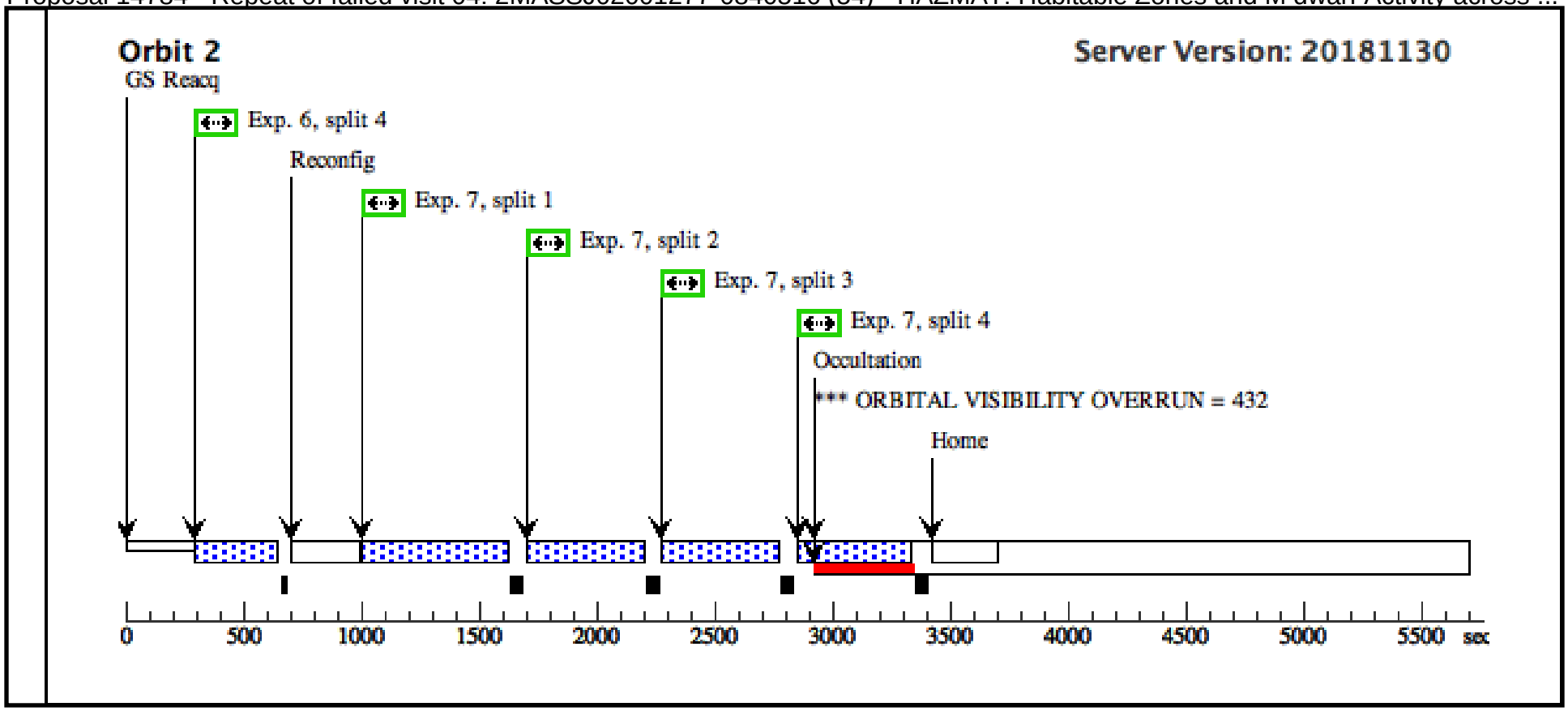
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ02001277-0840516-ACQ/SEARCH (COS.sa.996831)	(3) 2MASSJ02001277-0840516	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			63.6 Secs (63.6 Secs) *[==>]*	*[1]*
2	2MASSJ02001277-0840516-ACQ/PEAKXD (COS.sa.1003526)	(3) 2MASSJ02001277-0840516	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				44.4 Secs (44.4 Secs) *[==>]*	*[1]*
3	2MASSJ02001277-0840516-ACQ/PEAKD (COS.sa.996831)	(3) 2MASSJ02001277-0840516	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			63.6 Secs (63.6 Secs) *[==>]*	*[1]*
4	2MASSJ02001277-0840516, G230L (COS.sp.824146)	(3) 2MASSJ02001277-0840516	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			297 Secs (176 Secs) *[==>176.0 Secs]*	*[1]*
5	2MASSJ02001277-0840516, G230L (COS.sp.824146)	(3) 2MASSJ02001277-0840516	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			297 Secs (176 Secs) *[==>176.0 Secs]*	*[1]*
6	2MASSJ02001277-0840516, G160M (COS.sp.824161)	(3) 2MASSJ02001277-0840516	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			300 Secs (900 Secs) *[==>206.0 Secs (Split 1)]* *[==>206.0 Secs (Split 2)]* *[==>192.0 Secs (Split 3)]* *[==>296.0 Secs (Split 4)]*	*[1]* *[2]*
7	2MASSJ02001277-0840516, G130M (COS.sp.824164)	(3) 2MASSJ02001277-0840516	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			383 Secs (1761 Secs) *[==>443.0 Secs (Split 1)]* *[==>443.0 Secs (Split 2)]* *[==>443.0 Secs (Split 3)]* *[==>432.0 Secs (Split 4)]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
Exp. 7, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 432
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ02125819-5851182 (05), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: Replacement for 2MASSJ01505688-5844032 (visit 05)

Diagnostics

(2MASSJ02125819-5851182 (05)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ02125819-5851182 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ02125819-5851182 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

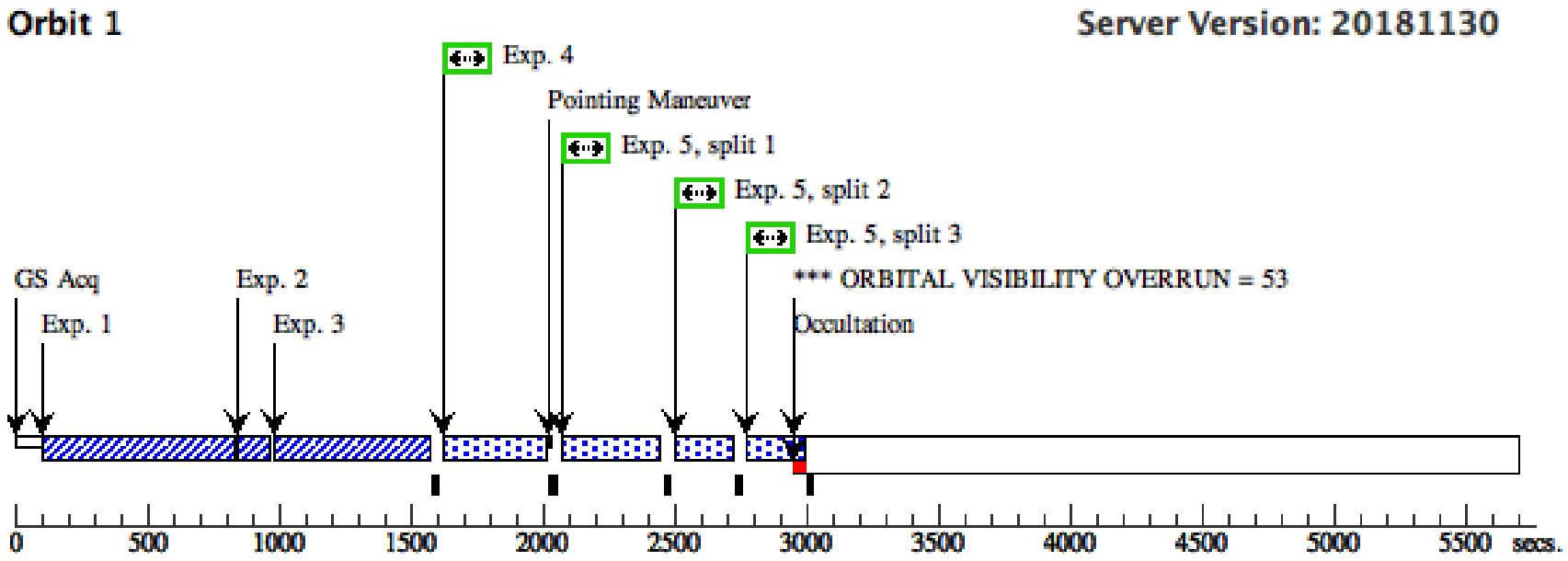
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(27)	2MASSJ02125819-5851182	RA: 02 12 58.3598 (33.2431658d) Dec: -58 51 18.41 (-58.85511d) Equinox: J2000	Proper Motion RA: 85.4 mas/yr Proper Motion Dec: -16.3 mas/yr Epoch of Position: 2015.0	V=12.925	Reference Frame: ICRS

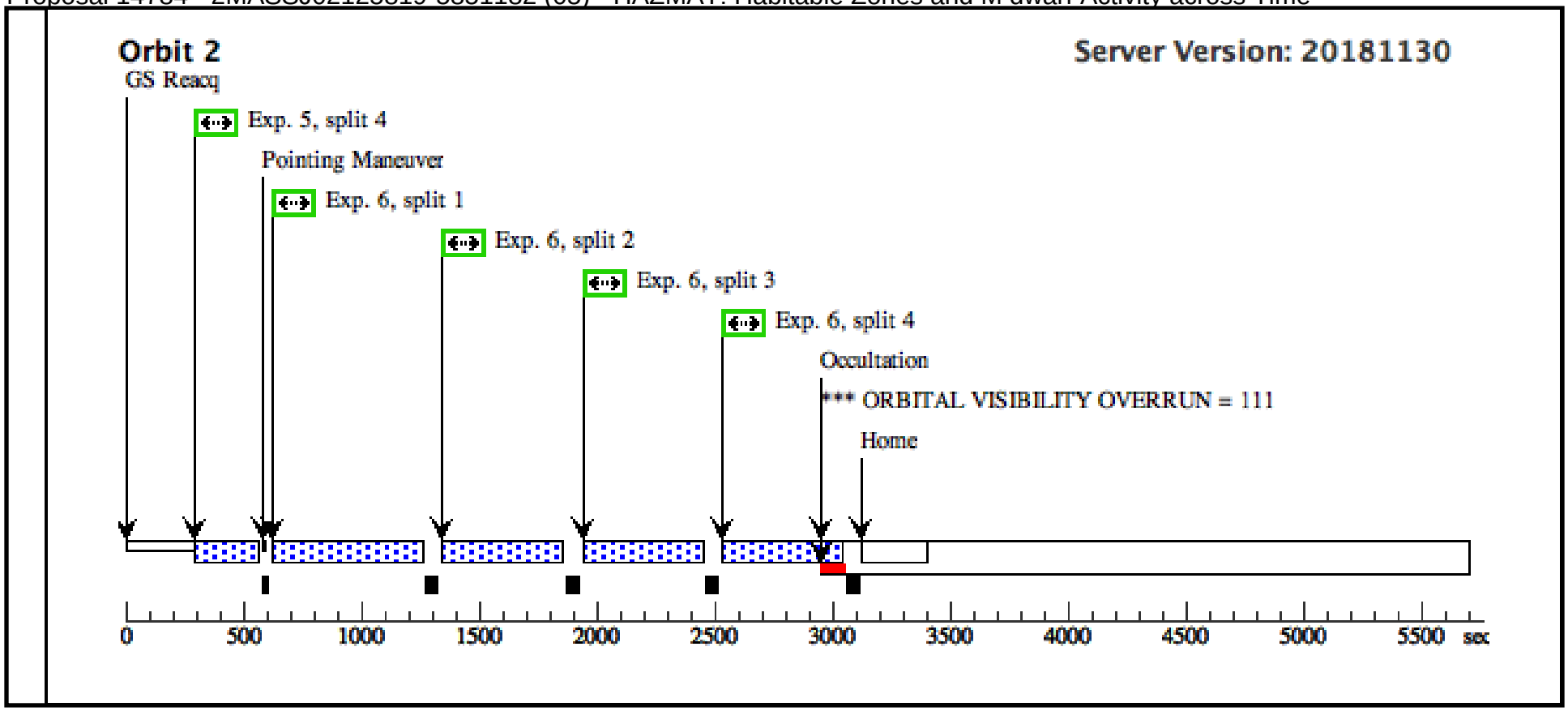
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ02125819-5851182-ACQ/SEARCH (COS.sa.997118)	(27) 2MASSJ02125819-5851182	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			88.5 Secs (88.5 Secs) *[==>]*	***[1]***
2	2MASSJ02125819-5851182-ACQ/PEAKXD (COS.sa.1003596)	(27) 2MASSJ02125819-5851182	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				59.8 Secs (59.8 Secs) *[==>]*	***[1]***
3	2MASSJ02125819-5851182-ACQ/PEAKD (COS.sa.997118)	(27) 2MASSJ02125819-5851182	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			88.5 Secs (88.5 Secs) *[==>]*	***[1]***
4	2MASSJ02125819-5851182, G230L (COS.sp.997272)	(27) 2MASSJ02125819-5851182	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			306 Secs (306 Secs) *[==>]*	***[1]***
5	2MASSJ02125819-5851182, G160M (COS.sp.997272)	(27) 2MASSJ02125819-5851182	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			165 Secs (715 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>220.0 Secs (Split 4)]*	***[1]*** ***[2]***
6	2MASSJ02125819-5851182, G130M (COS.sp.997256)	(27) 2MASSJ02125819-5851182	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3			405 Secs (1840 Secs) *[==>460.0 Secs (Split 1)]* *[==>460.0 Secs (Split 2)]* *[==>460.0 Secs (Split 3)]* *[==>460.0 Secs (Split 4)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 5, split 4
Pointing Maneuver
Exp. 6, split 1
Exp. 6, split 2
Exp. 6, split 3
Exp. 6, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 111
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ22025453-6440441 (06), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ22025453-6440441, G130M (06.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ22025453-6440441 (06)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ22025453-6440441 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ22025453-6440441 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ22025453-6440441, G130M (06.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

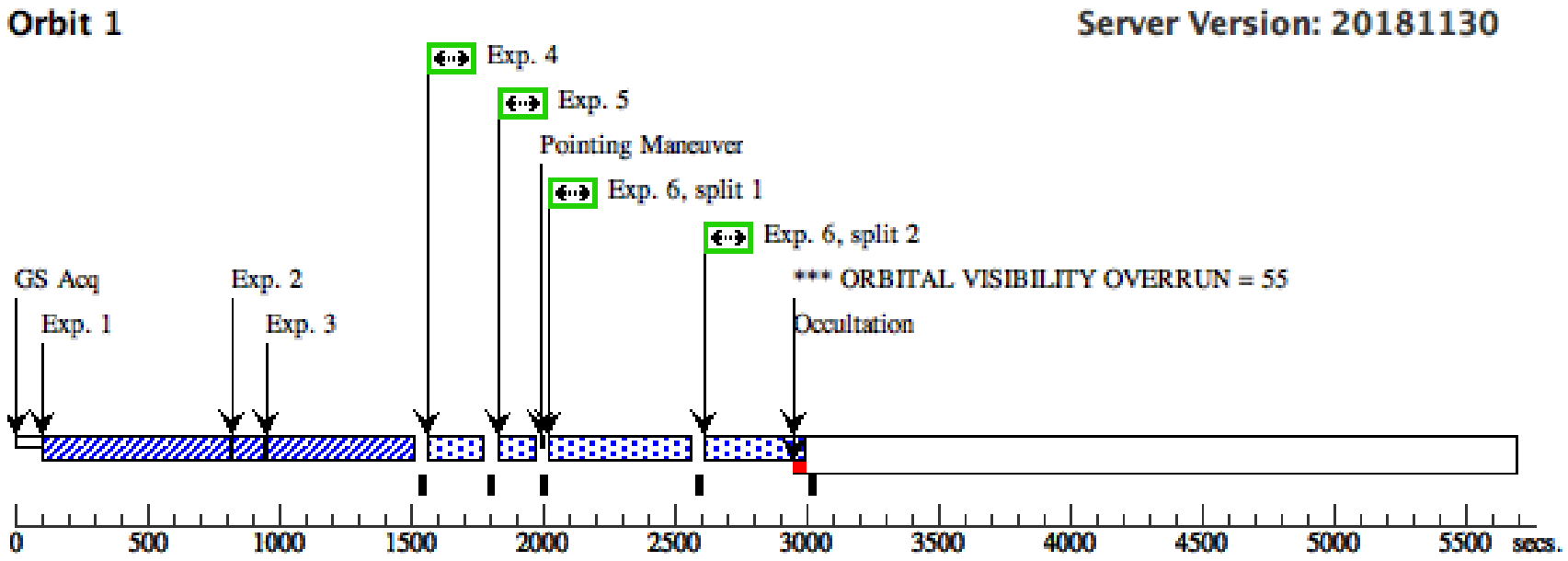
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	2MASSJ22025453-6440441	RA: 22 02 54.5045 (330.7271021d) Dec: -64 40 44.25 (-64.67896d) Equinox: J2000	Proper Motion RA: 51.4 mas/yr Proper Motion Dec: -95.2 mas/yr Epoch of Position: 2000	V=9.055	Reference Frame: ICRS

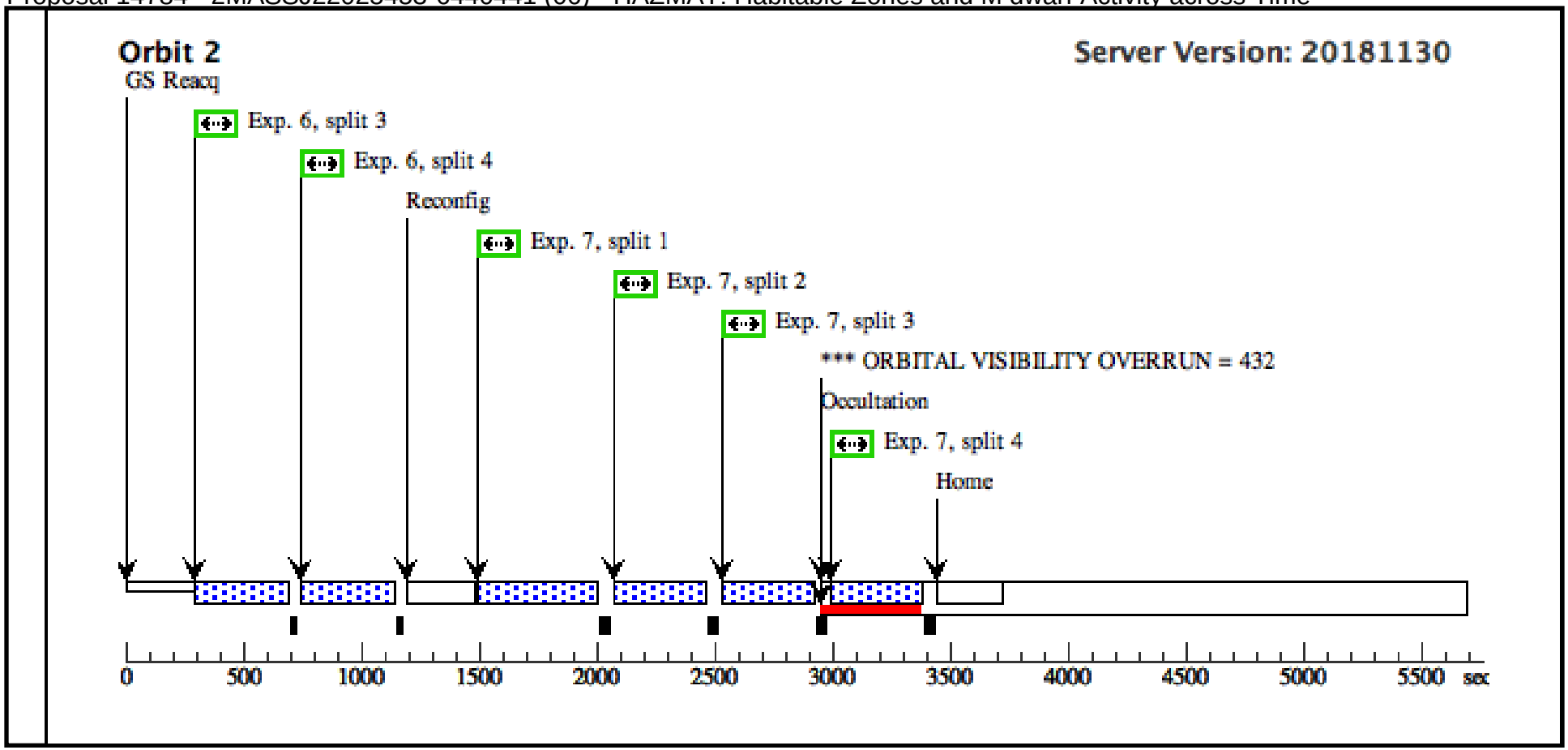
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ22025453-6440441-ACQ/SEARCH (COS.sa.996836)	(5) 2MASSJ22025453-6440441	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			82.8 Secs (82.8 Secs) *[==>]*	***[1]***
2	2MASSJ22025453-6440441-ACQ/PEAKXD (COS.sa.1003528)	(5) 2MASSJ22025453-6440441	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				56.3 Secs (56.3 Secs) *[==>]*	***[1]***
3	2MASSJ22025453-6440441-ACQ/PEAKD (COS.sa.996836)	(5) 2MASSJ22025453-6440441	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			82.8 Secs (82.8 Secs) *[==>]*	***[1]***
4	2MASSJ22025453-6440441, G230L (COS.sp.824146)	(5) 2MASSJ22025453-6440441	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			130 Secs (128 Secs) *[==>128.0 Secs]*	***[1]***
5	2MASSJ22025453-6440441, G230L (COS.sp.824146)	(5) 2MASSJ22025453-6440441	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			130 Secs (128 Secs) *[==>128.0 Secs]*	***[1]***
6	2MASSJ22025453-6440441, G160M (COS.sp.824161)	(5) 2MASSJ22025453-6440441	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			330 Secs (1342 Secs) *[==>328.0 Secs (Split 1)]* *[==>328.0 Secs (Split 2)]* *[==>343.0 Secs (Split 3)]* *[==>343.0 Secs (Split 4)]*	***[1]*** ***[2]***
7	2MASSJ22025453-6440441, G130M (COS.sp.824164)	(5) 2MASSJ22025453-6440441	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			320 Secs (1332 Secs) *[==>333.0 Secs (Split 1)]* *[==>333.0 Secs (Split 2)]* *[==>333.0 Secs (Split 3)]* *[==>333.0 Secs (Split 4)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 3
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
*** ORBITAL VISIBILITY OVERRUN = 432
Occultation
Exp. 7, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ00240899-6211042 (07), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ00240899-6211042, G130M (07.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ00240899-6211042 (07)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ00240899-6211042 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ00240899-6211042 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ00240899-6211042, G130M (07.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

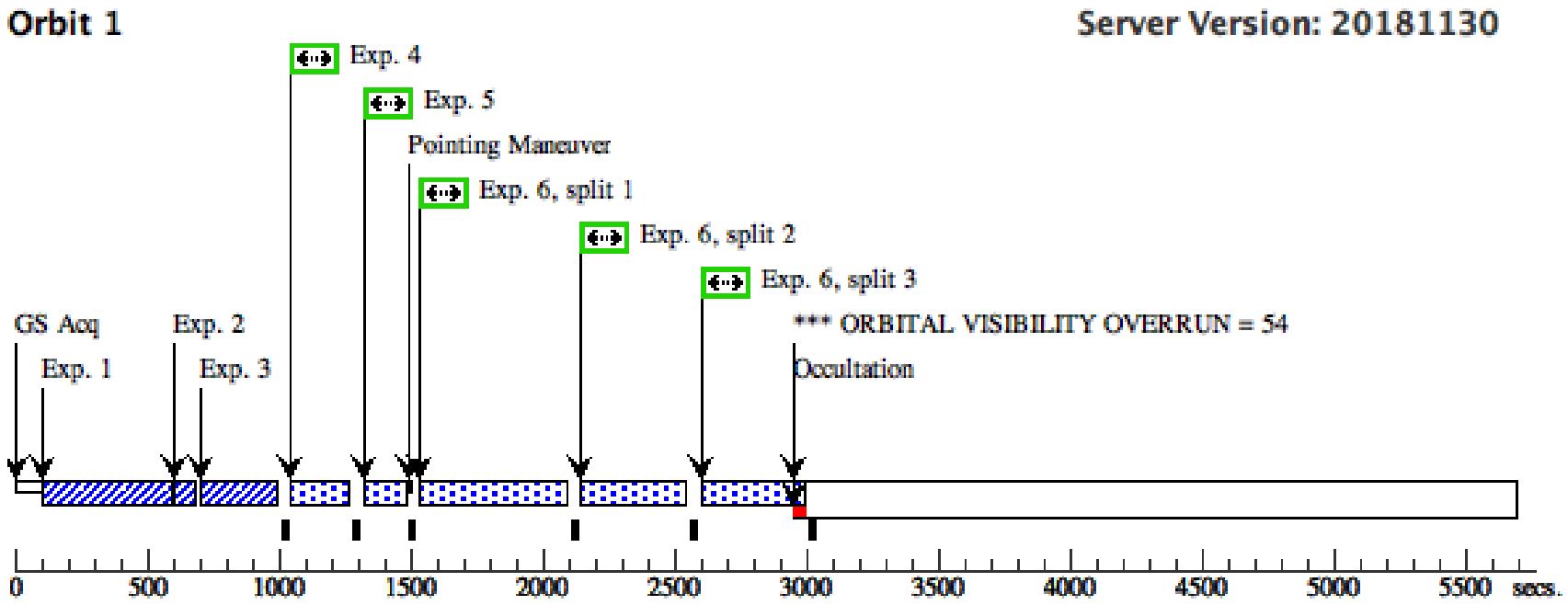
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	2MASSJ00240899-6211042	RA: 00 24 8.9712 (6.0373800d) Dec: -62 11 4.33 (-62.18454d) Equinox: J2000	Proper Motion RA: 82.6 mas/yr Proper Motion Dec: -51.1 mas/yr Parallax: 0.01888" Epoch of Position: 2000	V=11.38	Reference Frame: ICRS

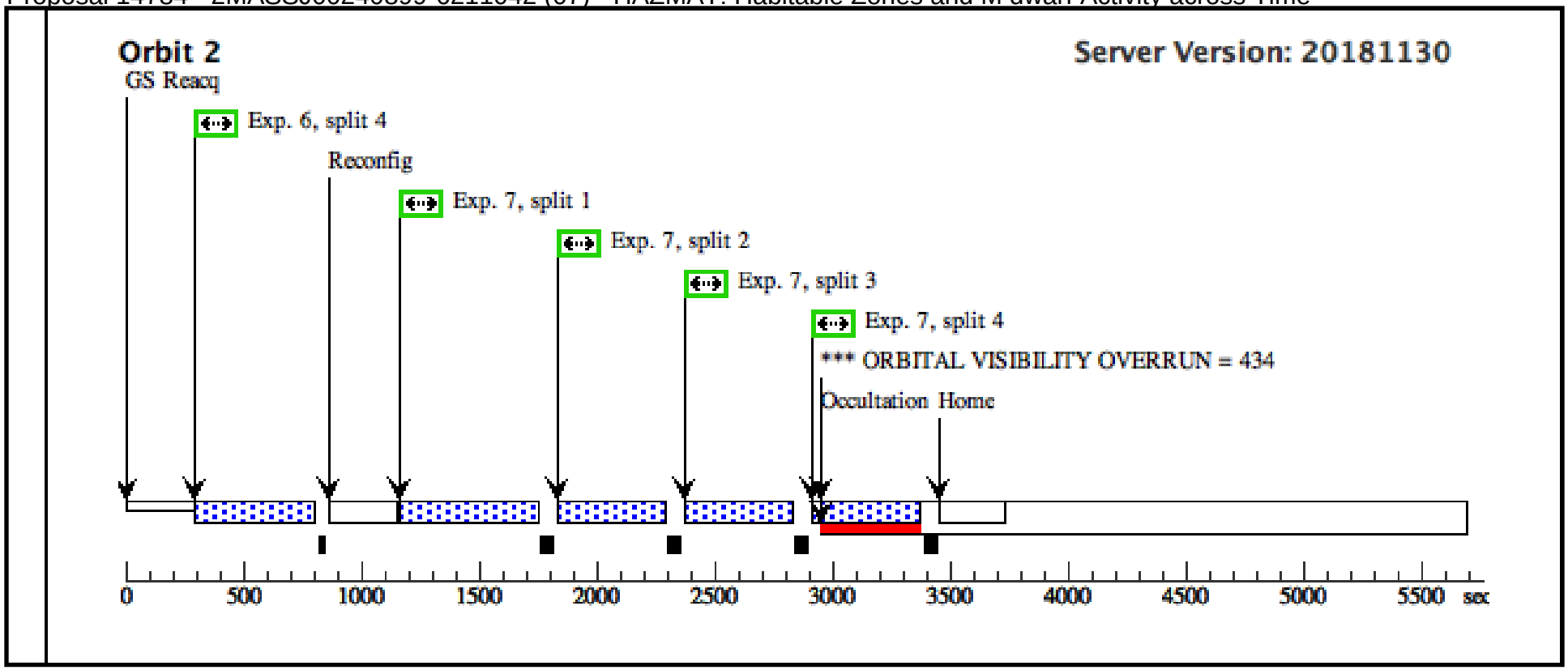
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ00240899-6211042-ACQ/SEARCH (COS.sa.996837)	(6) 2MASSJ00240899-6211042	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			28.8 Secs (28.8 Secs) *[==>]*	*[1]*
2	2MASSJ00240899-6211042-ACQ/PEAKXD (COS.sa.1003529)	(6) 2MASSJ00240899-6211042	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				21.8 Secs (21.8 Secs) *[==>]*	*[1]*
3	2MASSJ00240899-6211042-ACQ/PEAKD (COS.sa.996837)	(6) 2MASSJ00240899-6211042	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			28.8 Secs (28.8 Secs) *[==>]*	*[1]*
4	2MASSJ00240899-6211042, G230L (COS.sp.824146)	(6) 2MASSJ00240899-6211042	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			181 Secs (142 Secs) *[==>142.0 Secs]*	*[1]*
5	2MASSJ00240899-6211042, G230L (COS.sp.824146)	(6) 2MASSJ00240899-6211042	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			181 Secs (142 Secs) *[==>142.0 Secs]*	*[1]*
6	2MASSJ00240899-6211042, G160M (COS.sp.824161)	(6) 2MASSJ00240899-6211042	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			284 Secs (1502 Secs) *[==>352.0 Secs (Split 1)]* *[==>352.0 Secs (Split 2)]* *[==>339.0 Secs (Split 3)]* *[==>459.0 Secs (Split 4)]*	*[1]* *[2]*
7	2MASSJ00240899-6211042, G130M (COS.sp.824164)	(6) 2MASSJ00240899-6211042	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			234 Secs (1636 Secs) *[==>409.0 Secs (Split 1)]* *[==>409.0 Secs (Split 2)]* *[==>409.0 Secs (Split 3)]* *[==>409.0 Secs (Split 4)]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
Exp. 7, split 4
*** ORBITAL VISIBILITY OVERRUN = 434
Occultation Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ01521830-5950168 (08), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ01521830-5950168, G130M (08.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ01521830-5950168 (08)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ01521830-5950168 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ01521830-5950168 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ01521830-5950168, G130M (08.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

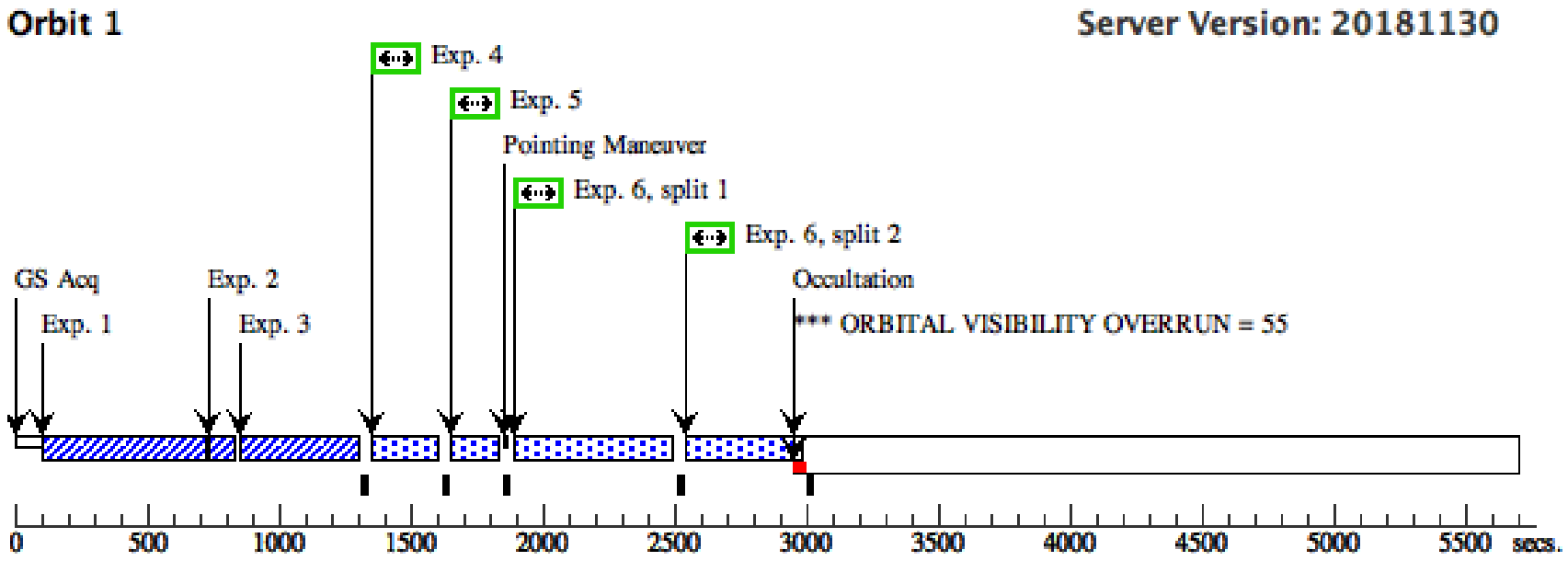
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	2MASSJ01521830-5950168	RA: 01 52 18.3022 (28.0762592d) Dec: -59 50 16.78 (-59.83799d) Equinox: J2000	Proper Motion RA: 109.2 mas/yr Proper Motion Dec: -25.7 mas/yr Epoch of Position: 2000	V=12.94	Reference Frame: ICRS

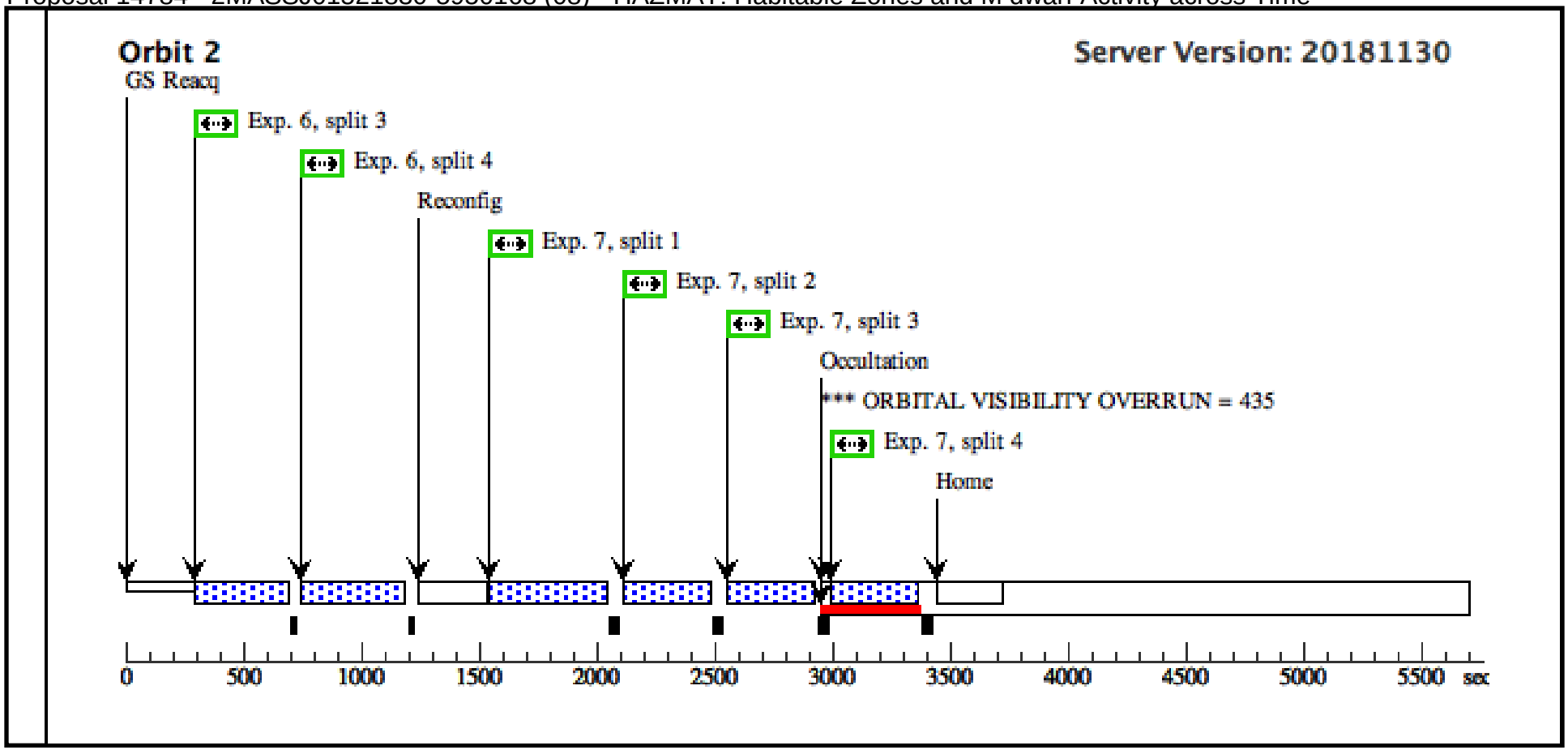
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ01521830-5950168-ACQ/SEARCH (COS.sa.996838)	(7) 2MASSJ01521830-5950168	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			60.6 Secs (60.6 Secs) *[==>]*	*[1]*
2	2MASSJ01521830-5950168-ACQ/PEAKXD (COS.sa.1003530)	(7) 2MASSJ01521830-5950168	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				42.5 Secs (42.5 Secs) *[==>]*	*[1]*
3	2MASSJ01521830-5950168-ACQ/PEAKD (COS.sa.996838)	(7) 2MASSJ01521830-5950168	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			60.6 Secs (60.6 Secs) *[==>]*	*[1]*
4	2MASSJ01521830-5950168, G230L (COS.sp.824146)	(7) 2MASSJ01521830-5950168	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			169 Secs (169 Secs) *[==>]*	*[1]*
5	2MASSJ01521830-5950168, G230L (COS.sp.824146)	(7) 2MASSJ01521830-5950168	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			169 Secs (169 Secs) *[==>]*	*[1]*
6	2MASSJ01521830-5950168, G160M (COS.sp.824161)	(7) 2MASSJ01521830-5950168	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			390 Secs (1513 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>343.0 Secs (Split 3)]* *[==>(Split 4)]*	*[1]* *[2]*
7	2MASSJ01521830-5950168, G130M (COS.sp.824164)	(7) 2MASSJ01521830-5950168	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			320 Secs (1280 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 3
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 435
Exp. 7, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ03315564-4359135-V1 (09), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ03315564-4359135-V1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(2MASSJ03315564-4359135-V1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(2MASSJ03315564-4359135-V1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(2MASSJ03315564-4359135-V1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(2MASSJ03315564-4359135-V1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(2MASSJ03315564-4359135-V1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

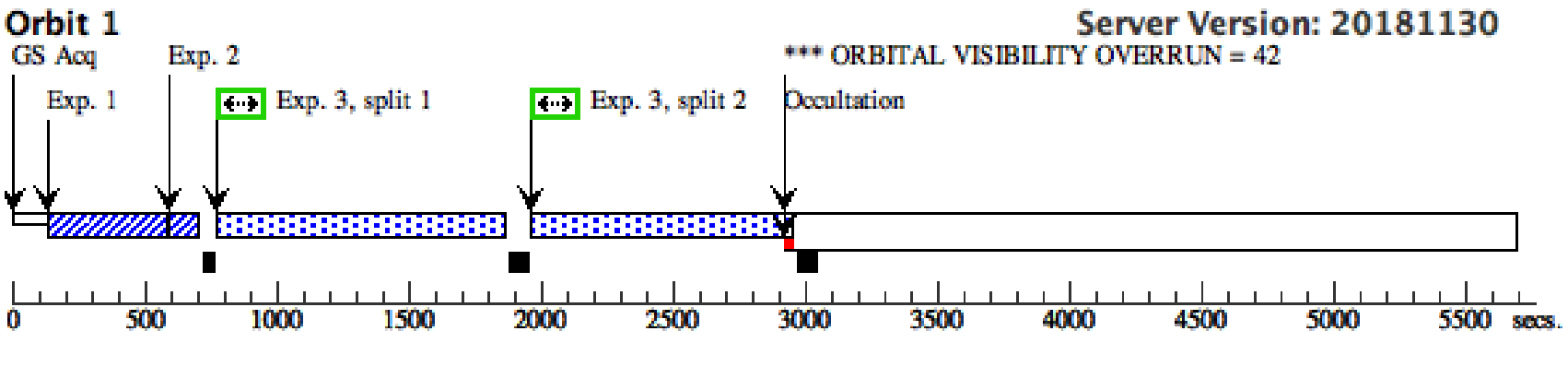
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	2MASSJ03315564-4359135	RA: 03 31 55.6486 (52.9818692d) Dec: -43 59 13.55 (-43.98710d) Equinox: J2000	Proper Motion RA: 85 mas/yr Proper Motion Dec: -8.2 mas/yr Epoch of Position: 2000	V=10.927	Reference Frame: ICRS

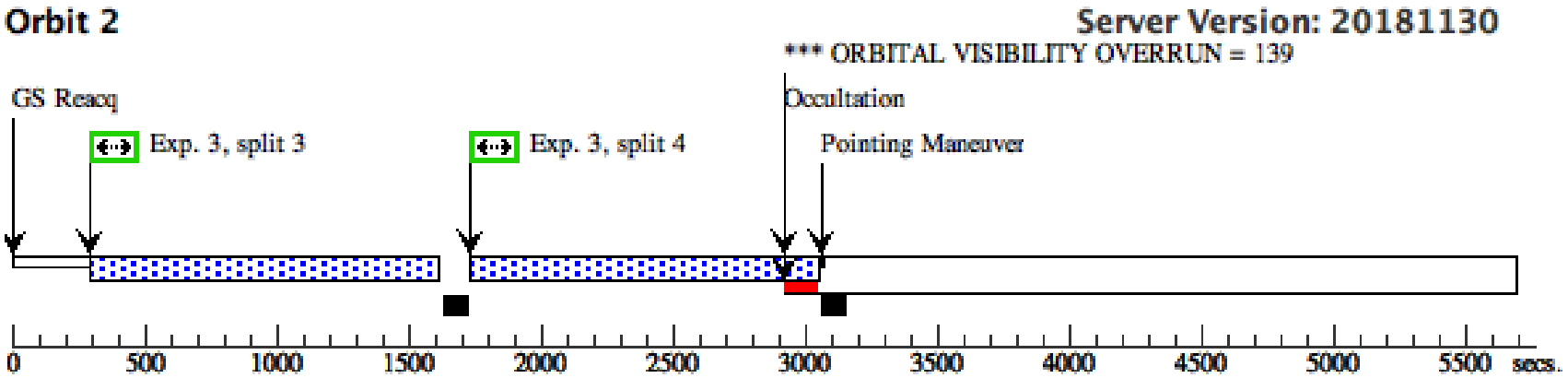
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

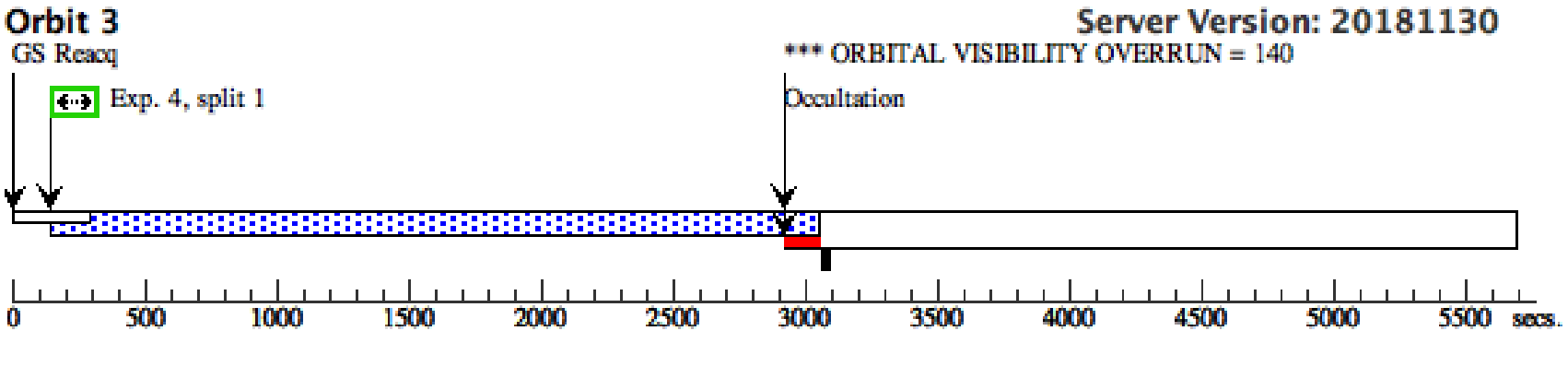
Exposures

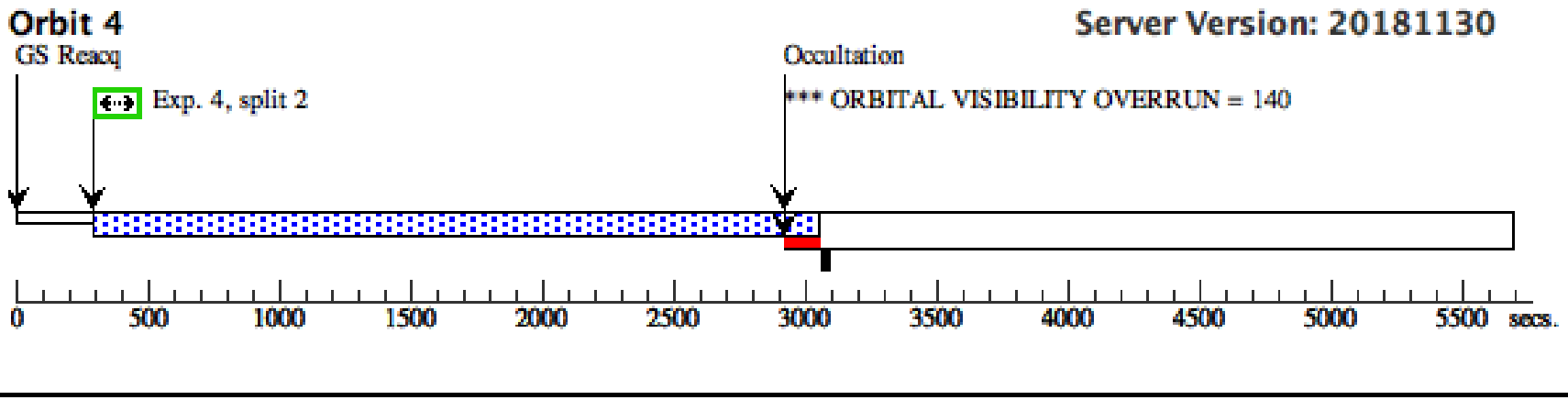
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ03315564-4359135-ACQ/SEARCH (COS.ta.994928)	(8) 2MASSJ03315564-4359135	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			25.1 Secs (25.1 Secs) *[==>]*	***[1]***
2	2MASSJ03315564-4359135-ACQ/IMAGE (COS.ta.828137)	(8) 2MASSJ03315564-4359135	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				8.5 Secs (8.5 Secs) *[==>]*	***[1]***
3	2MASSJ03315564-4359135, G230L (COS.sp.828143)	(8) 2MASSJ03315564-4359135	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=ALL			1200 Secs (4560 Secs) *[==>982.0 Secs (Split 1)]* *[==>974.0 Secs (Split 2)]* *[==>1302.0 Secs (Split 3)]* *[==>1302.0 Secs (Split 4)]*	***[1]*** ***[1]*** ***[2]*** ***[2]***
4	2MASSJ03315564-4359135, G160M (COS.sp.824161)	(8) 2MASSJ03315564-4359135	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			400 Secs (10810 Secs) *[==>2701.0 Secs (Split 1)]* *[==>2703.0 Secs (Split 2)]* *[==>2703.0 Secs (Split 3)]* *[==>2703.0 Secs (Split 4)]*	***[3]*** ***[4]*** ***[5]*** ***[6]***

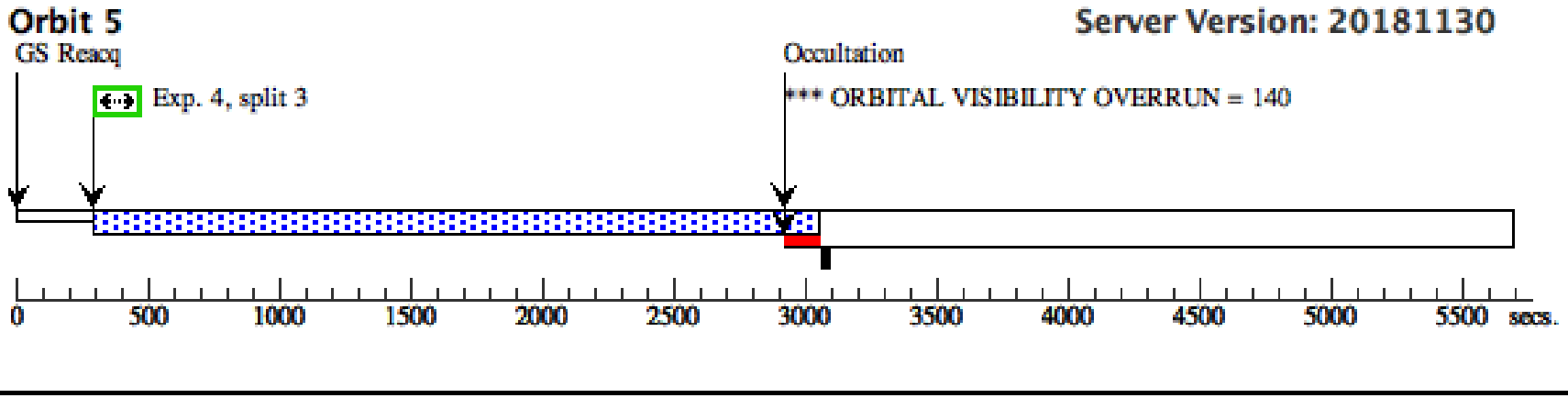
Orbit Structure

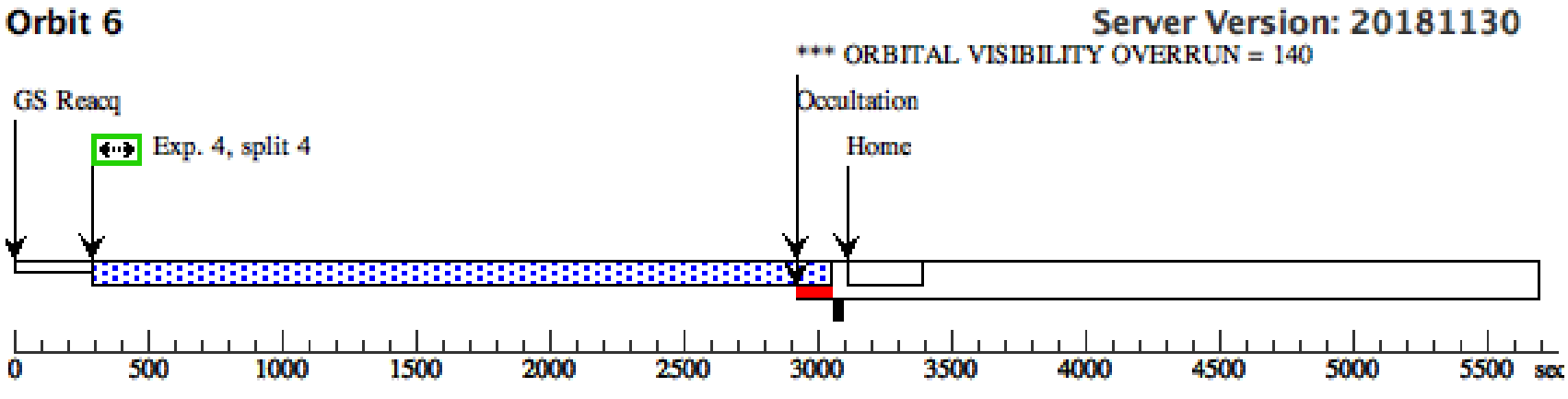







Orbit 4
Server Version: 20181130
GS Reacq
Exp. 4, split 2
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 5
Server Version: 20181130
GS Reacq
Exp. 4, split 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 6
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 4, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ03315564-4359135-V2 (10), completed Mon Feb 04 16:01:22 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%; AFTER 09 BY 7 Orbits TO 2 D

Comments: Visits for the same target should be spaced as close together in time as possible, please.

Diagnostics

(2MASSJ03315564-4359135, G130M (10.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ03315564-4359135-V2 (10)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

(2MASSJ03315564-4359135-V2 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ03315564-4359135-V2 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ03315564-4359135-V2 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ03315564-4359135-V2 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ03315564-4359135, G130M (10.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

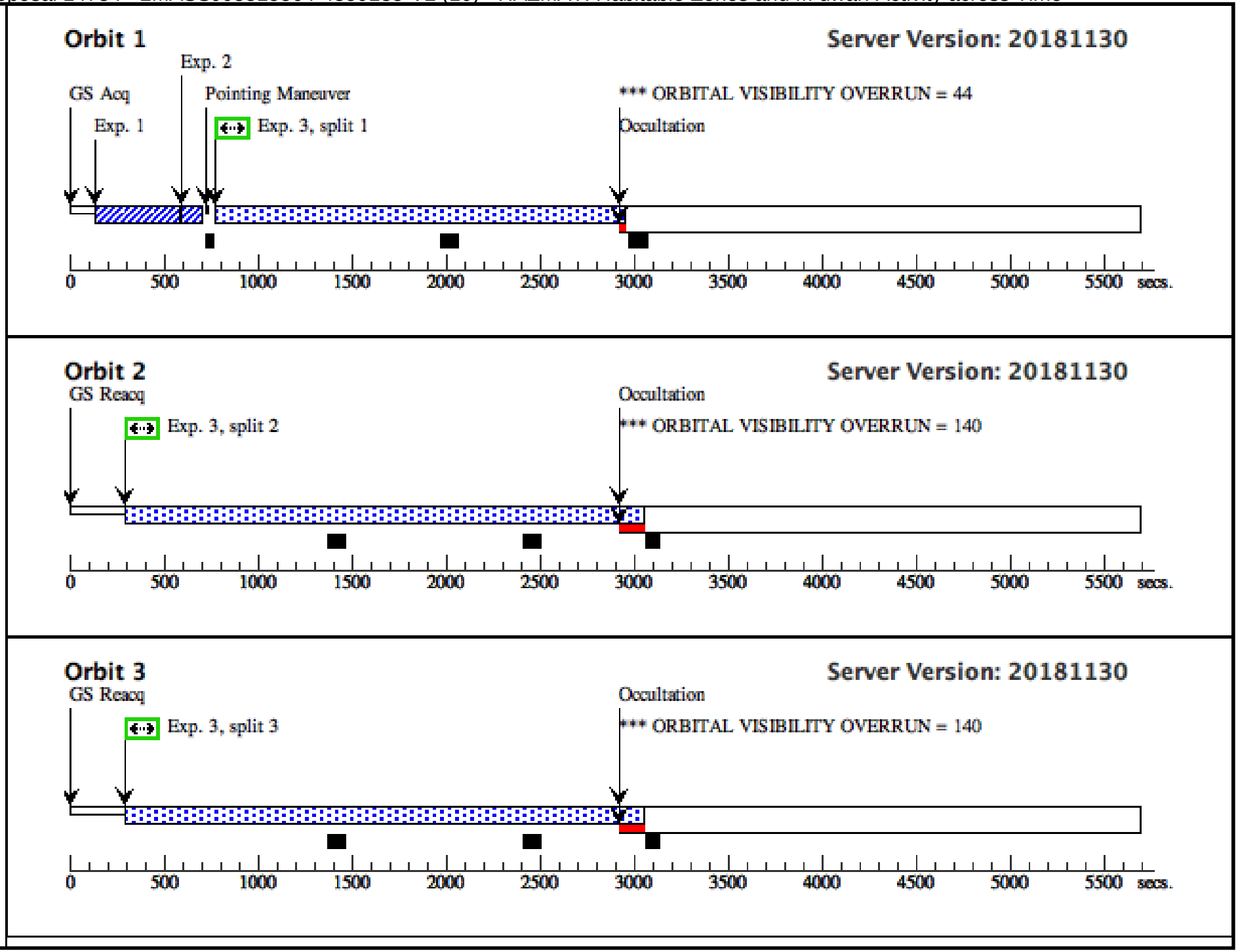
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	2MASSJ03315564-4359135	RA: 03 31 55.6486 (52.9818692d) Dec: -43 59 13.55 (-43.98710d) Equinox: J2000	Proper Motion RA: 85 mas/yr Proper Motion Dec: -8.2 mas/yr Epoch of Position: 2000	V=10.927	Reference Frame: ICRS

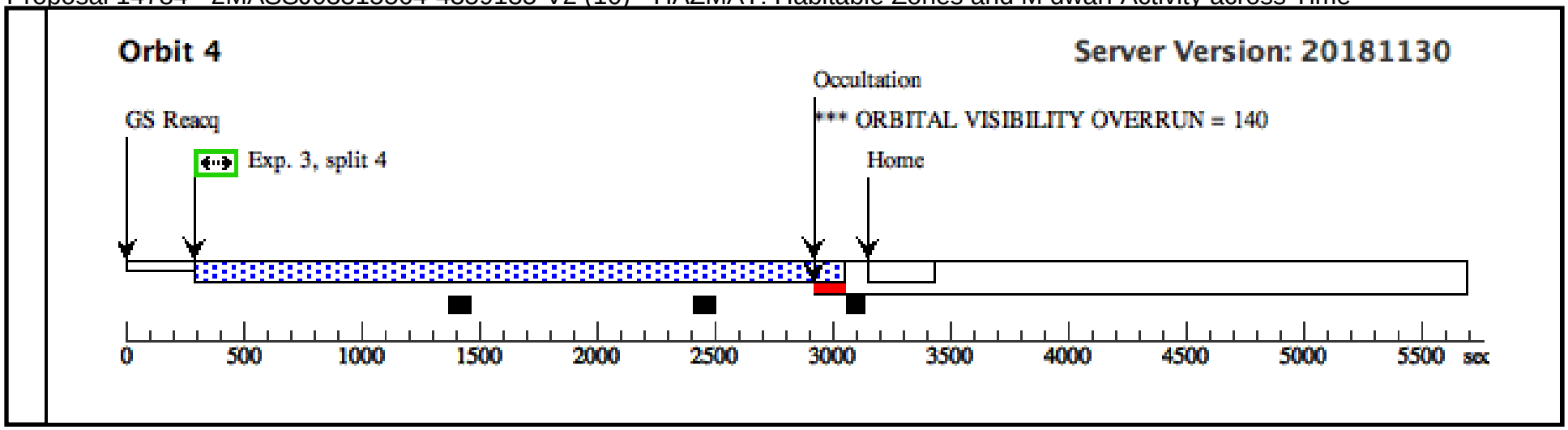
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ03315564-4359135-ACQ/SEARCH (COS.ta.994928)	(8) 2MASSJ03315564-4359135	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			25.12 Secs (25.12 Secs) *[==>]*	 ***[1]***
2	2MASSJ03315564-4359135-ACQ/IMAGE (COS.ta.828137)	(8) 2MASSJ03315564-4359135	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				8.5 Secs (8.5 Secs) *[==>]*	 ***[1]***
3	2MASSJ03315564-4359135, G130M (COS.sp.824164)	(8) 2MASSJ03315564-4359135	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			331 Secs (10116 Secs) *[==>2007.0 Secs (Split 1)]* *[==>2703.0 Secs (Split 2)]* *[==>2703.0 Secs (Split 3)]* *[==>2703.0 Secs (Split 4)]*	 ***[1]*** ***[2]*** ***[3]*** ***[4]***

Orbit Structure




Orbit 4
Server Version: 20181130
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 3, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ23261069-7323498 (11), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ23261069-7323498, G130M (11.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ23261069-7323498 (11)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ23261069-7323498 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ23261069-7323498 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ23261069-7323498, G130M (11.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

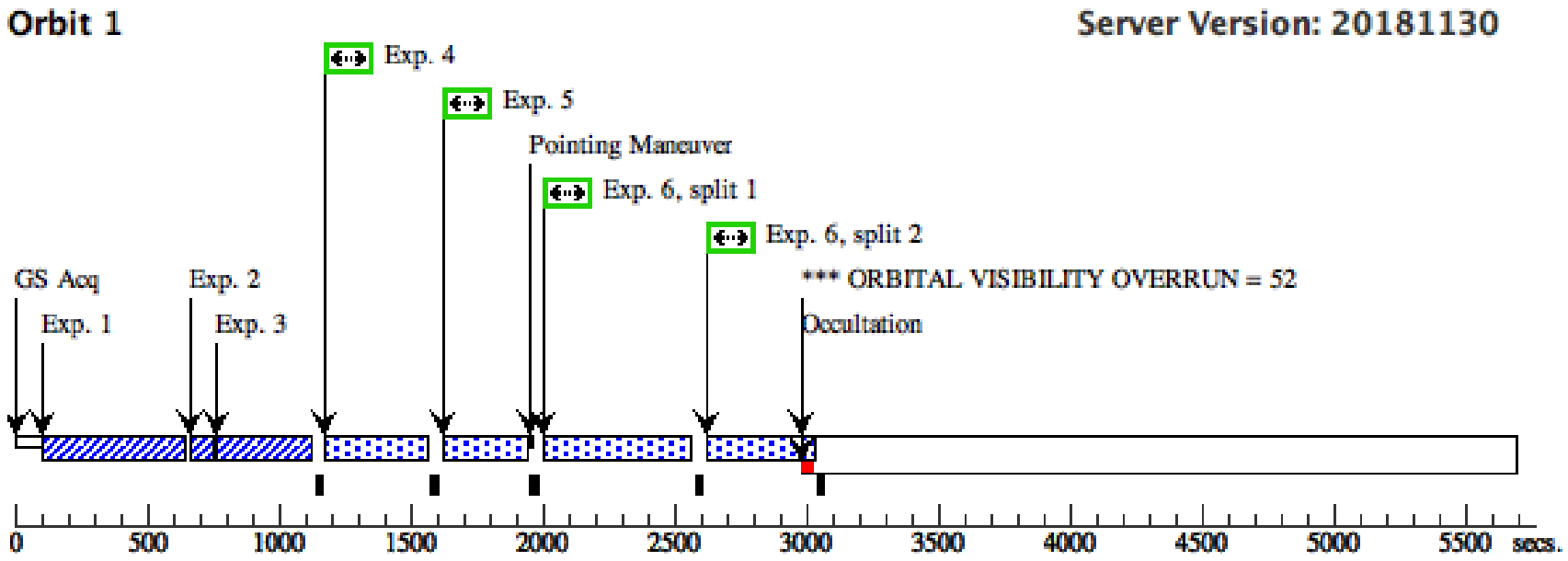
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	2MASSJ23261069-7323498	RA: 23 26 10.7050 (351.5446042d) Dec: -73 23 49.89 (-73.39719d) Equinox: J2000	Proper Motion RA: 72.9 mas/yr Proper Motion Dec: -67.4 mas/yr Epoch of Position: 2000	V=11.877	Reference Frame: ICRS

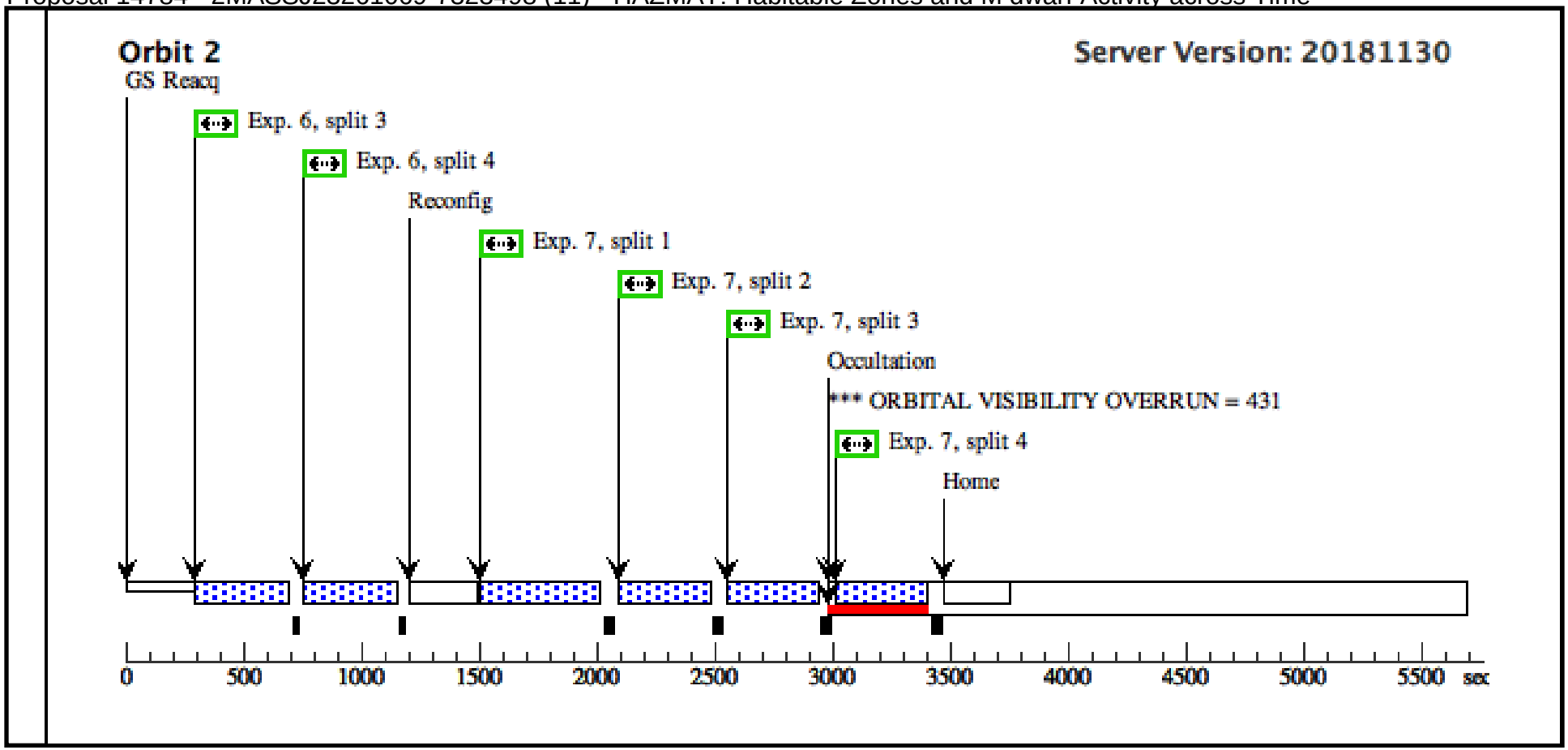
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ23261069-7323498-ACQ/SEARCH (COS.sa.996840)	(9) 2MASSJ23261069-7323498	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			42.2 Secs (42.2 Secs) *[==>]*	*[1]*
2	2MASSJ23261069-7323498-ACQ/PEAKXD (COS.sa.1003531)	(9) 2MASSJ23261069-7323498	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				30.7 Secs (30.7 Secs) *[==>]*	*[1]*
3	2MASSJ23261069-7323498-ACQ/PEAKD (COS.sa.996840)	(9) 2MASSJ23261069-7323498	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			42.2 Secs (42.2 Secs) *[==>]*	*[1]*
4	2MASSJ23261069-7323498, G230L (COS.sp.824146)	(9) 2MASSJ23261069-7323498	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			300 Secs (303 Secs) *[==>303.0 Secs]*	*[1]*
5	2MASSJ23261069-7323498, G230L (COS.sp.824146)	(9) 2MASSJ23261069-7323498	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			300 Secs (303 Secs) *[==>303.0 Secs]*	*[1]*
6	2MASSJ23261069-7323498, G160M (COS.sp.824161)	(9) 2MASSJ23261069-7323498	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			350 Secs (1402 Secs) *[==>353.0 Secs (Split 1)]* *[==>353.0 Secs (Split 2)]* *[==>348.0 Secs (Split 3)]* *[==>348.0 Secs (Split 4)]*	*[1]* *[2]*
7	2MASSJ23261069-7323498, G130M (COS.sp.824164)	(9) 2MASSJ23261069-7323498	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			340 Secs (1352 Secs) *[==>338.0 Secs (Split 1)]* *[==>338.0 Secs (Split 2)]* *[==>338.0 Secs (Split 3)]* *[==>338.0 Secs (Split 4)]*	*[2]*

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 3
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 431
Exp. 7, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ23285763-6802338 (12), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ23285763-6802338, G130M (12.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ23285763-6802338 (12)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ23285763-6802338 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ23285763-6802338 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ23285763-6802338, G130M (12.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

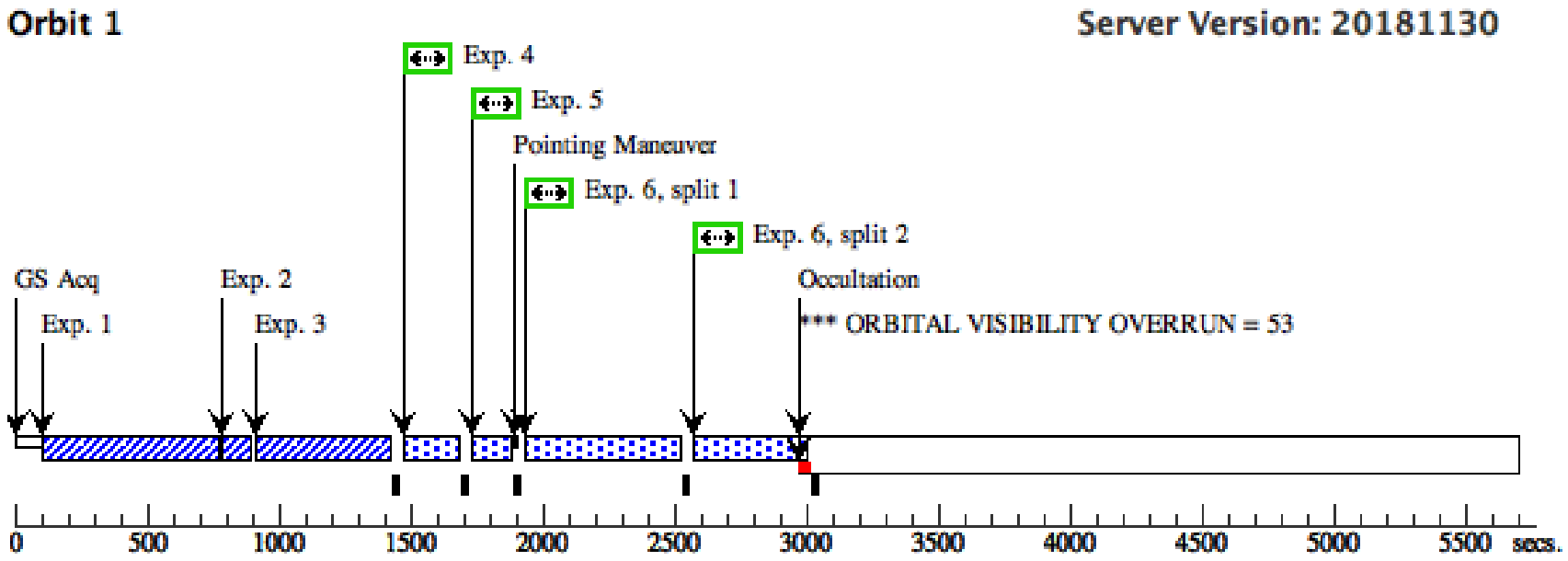
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	2MASSJ23285763-6802338	RA: 23 28 57.6391 (352.2401629d) Dec: -68 02 34.04 (-68.04279d) Equinox: J2000	Proper Motion RA: 66.8 mas/yr Proper Motion Dec: -67.1 mas/yr Epoch of Position: 2000	V=13.02	Reference Frame: ICRS

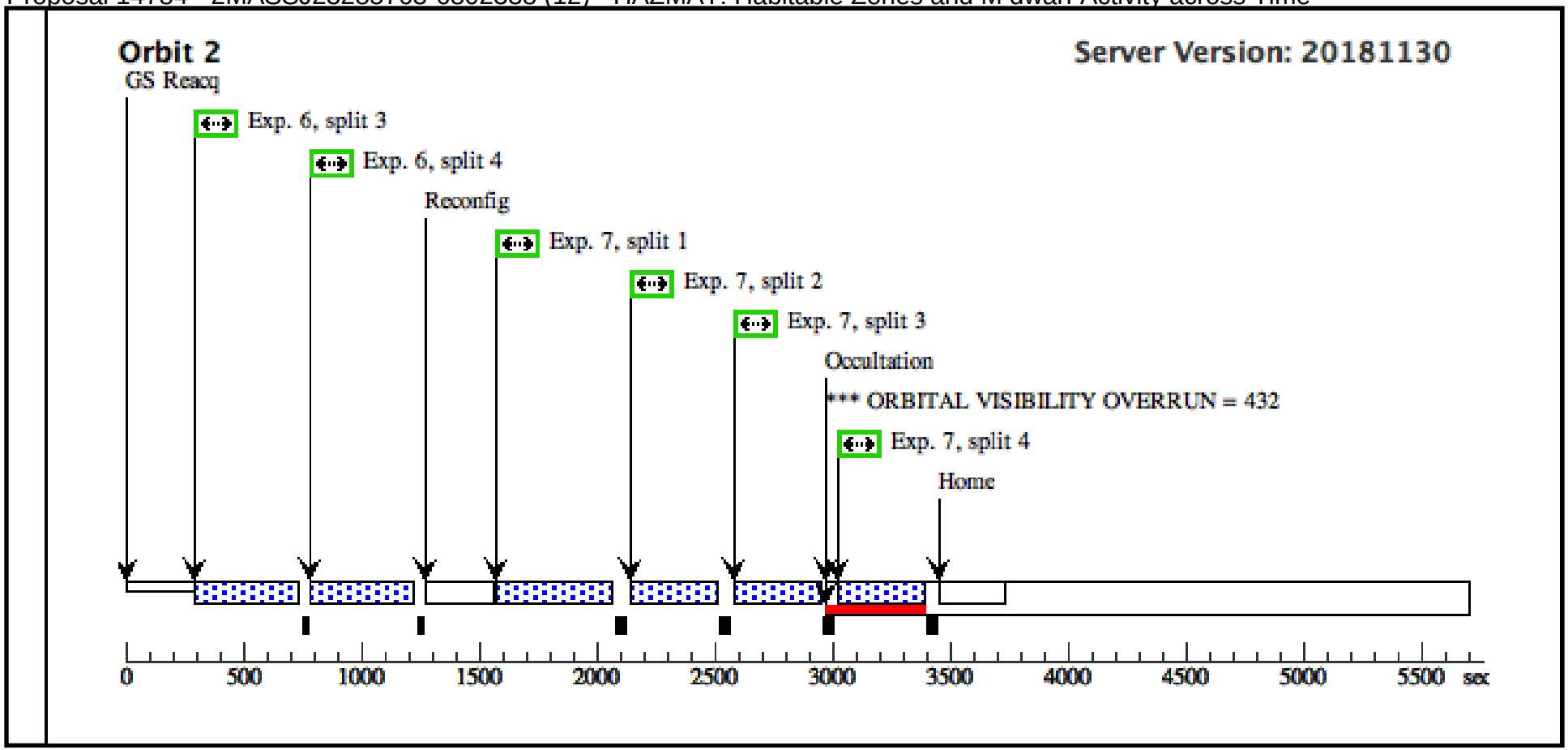
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ23285763-6802338-ACQ/SEARCH (COS.sa.996841)	(10) 2MASSJ23285763-6802338	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			72.7 Secs (72.7 Secs) *[==>]*	***[1]***
2	2MASSJ23285763-6802338-ACQ/PEAKXD (COS.sa.1003532)	(10) 2MASSJ23285763-6802338	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				50.0 Secs (50 Secs) *[==>]*	***[1]***
3	2MASSJ23285763-6802338-ACQ/PEAKD (COS.sa.996841)	(10) 2MASSJ23285763-6802338	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			72.7 Secs (72.7 Secs) *[==>]*	***[1]***
4	2MASSJ23285763-6802338, G230L (COS.sp.824146)	(10) 2MASSJ23285763-6802338	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			140 Secs (130 Secs) *[==>130.0 Secs]*	***[1]***
5	2MASSJ23285763-6802338, G230L (COS.sp.824146)	(10) 2MASSJ23285763-6802338	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			140 Secs (130 Secs) *[==>130.0 Secs]*	***[1]***
6	2MASSJ23285763-6802338, G160M (COS.sp.824161)	(10) 2MASSJ23285763-6802338	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			390 Secs (1530 Secs) *[==>380.0 Secs (Split 1)]* *[==>380.0 Secs (Split 2)]* *[==>385.0 Secs (Split 3)]* *[==>385.0 Secs (Split 4)]*	***[1]*** ***[2]***
7	2MASSJ23285763-6802338, G130M (COS.sp.824164)	(10) 2MASSJ23285763-6802338	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			320 Secs (1260 Secs) *[==>315.0 Secs (Split 1)]* *[==>315.0 Secs (Split 2)]* *[==>315.0 Secs (Split 3)]* *[==>315.0 Secs (Split 4)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 3
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 432
Exp. 7, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, 2MASSJ00393579-3816584 (13), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(2MASSJ00393579-3816584, G130M (13.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ00393579-3816584 (13)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ00393579-3816584 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ00393579-3816584 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ00393579-3816584, G130M (13.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

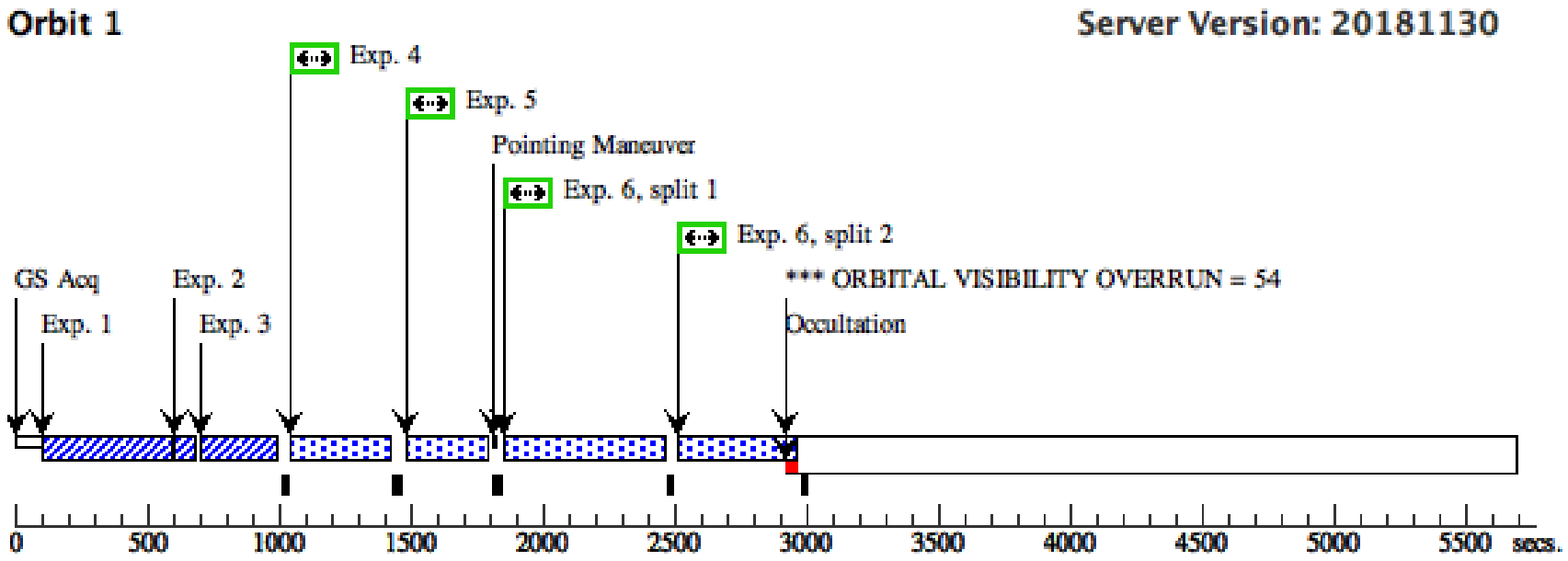
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	2MASSJ00393579-3816584	RA: 00 39 35.8003 (9.8991679d) Dec: -38 16 58.56 (-38.28293d) Equinox: J2000	Proper Motion RA: 99.1 mas/yr Proper Motion Dec: -64.8 mas/yr Epoch of Position: 2000	V=8.78	Reference Frame: ICRS

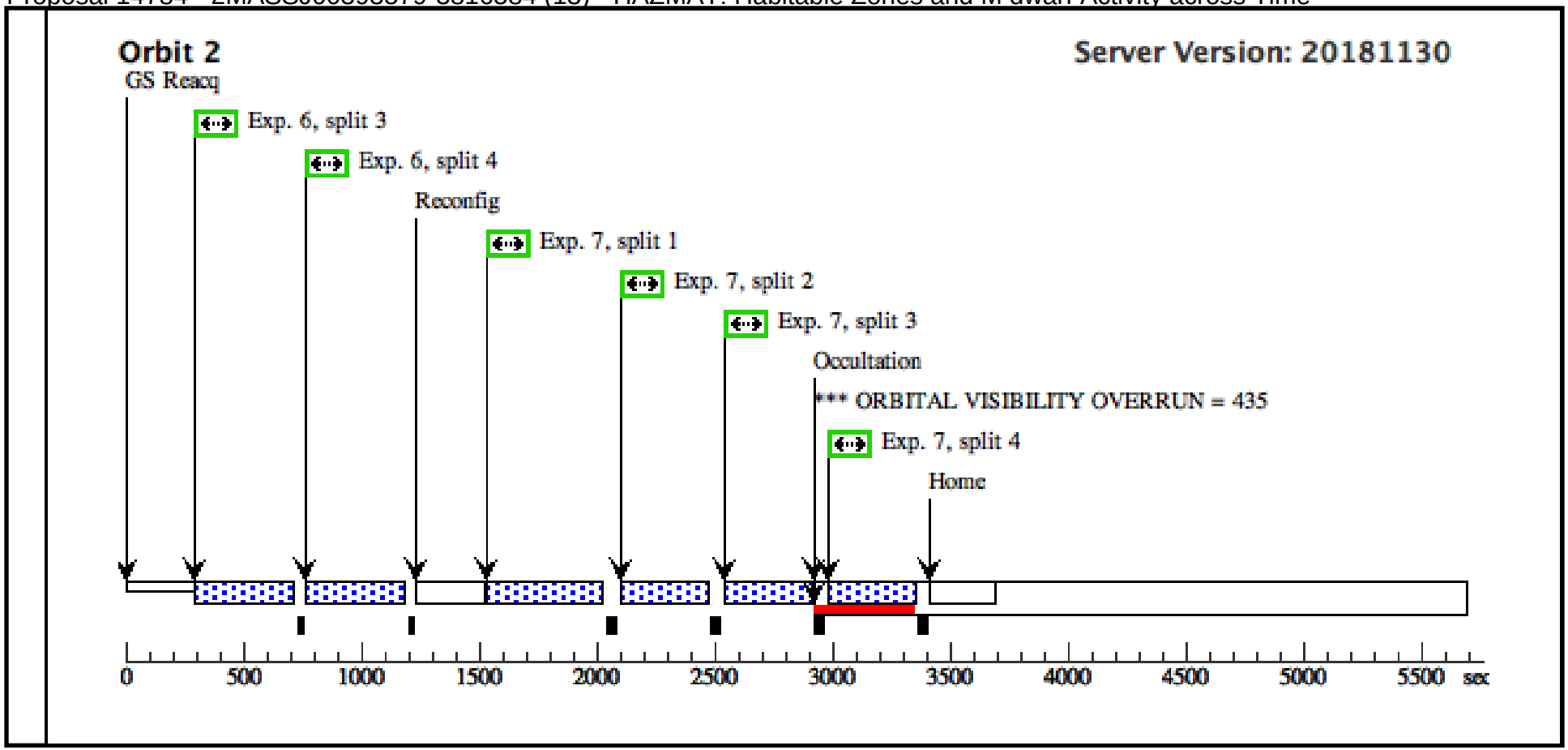
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ00393579-3816584-ACQ/SEARCH (COS.sa.996842)	(11) 2MASSJ00393579-3816584	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			28.7 Secs (28.7 Secs) *[==>]*	***[1]***
2	2MASSJ00393579-3816584-ACQ/PEAKXD (COS.sa.1003533)	(11) 2MASSJ00393579-3816584	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				21.7 Secs (21.7 Secs) *[==>]*	***[1]***
3	2MASSJ00393579-3816584-ACQ/PEAKD (COS.sa.996842)	(11) 2MASSJ00393579-3816584	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			28.7 Secs (28.7 Secs) *[==>]*	***[1]***
4	2MASSJ00393579-3816584, G230L (COS.sp.824146)	(11) 2MASSJ00393579-3816584	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			181 Secs (294 Secs) *[==>294.0 Secs]*	***[1]***
5	2MASSJ00393579-3816584, G230L (COS.sp.824146)	(11) 2MASSJ00393579-3816584	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			181 Secs (294 Secs) *[==>294.0 Secs]*	***[1]***
6	2MASSJ00393579-3816584, G160M (COS.sp.824161)	(11) 2MASSJ00393579-3816584	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			284 Secs (1524 Secs) *[==>397.0 Secs (Split 1)]* *[==>397.0 Secs (Split 2)]*	***[1]***
								[==>365.0 Secs (Split 3)] *[==>365.0 Secs (Split 4)]*	***[2]***
7	2MASSJ00393579-3816584, G130M (COS.sp.824164)	(11) 2MASSJ00393579-3816584	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			234 Secs (1260 Secs) *[==>315.0 Secs (Split 1)]* *[==>315.0 Secs (Split 2)]* *[==>315.0 Secs (Split 3)]* *[==>315.0 Secs (Split 4)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20181130
GS Reacq
Exp. 6, split 3
Exp. 6, split 4
Reconfig
Exp. 7, split 1
Exp. 7, split 2
Exp. 7, split 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 435
Exp. 7, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 14784 - 2MASSJ22463471-7353504 (14) - HAZMAT: Habitable Zones and M dwarf Activity across Time

Visit

Proposal 14784, 2MASSJ22463471-7353504 (14), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: Replacement for 2MASSJ04365738-1613065 (visit 14)

Diagnostics

(2MASSJ22463471-7353504, G130M (14.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(2MASSJ22463471-7353504 (14)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(2MASSJ22463471-7353504 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ22463471-7353504 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ22463471-7353504 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(2MASSJ22463471-7353504, G130M (14.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

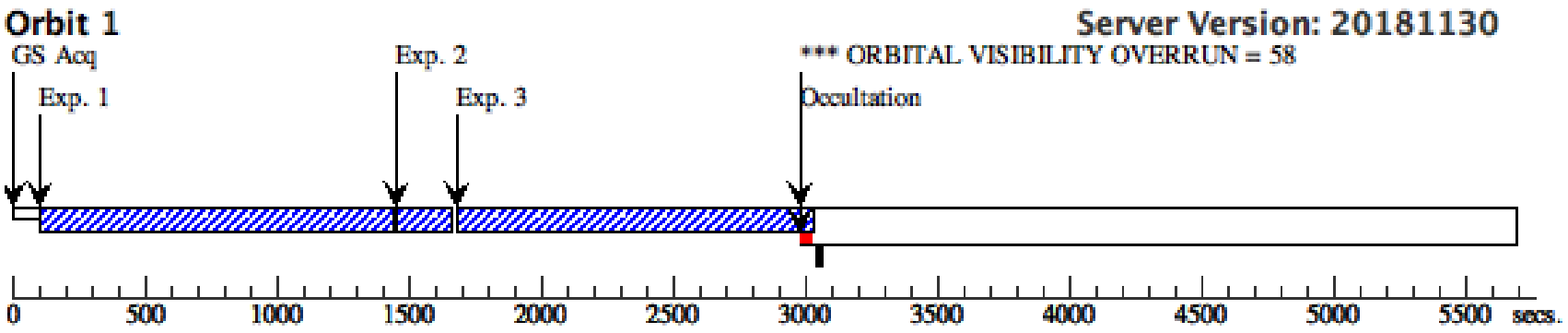
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(28)	2MASSJ22463471-7353504	RA: 22 46 34.9053 (341.6454387d) Dec: -73 53 51.49 (-73.89764d) Equinox: J2000	Proper Motion RA: 55.4 mas/yr Proper Motion Dec: -70.2 mas/yr Epoch of Position: 2015.0	V=13.418	Reference Frame: ICRS

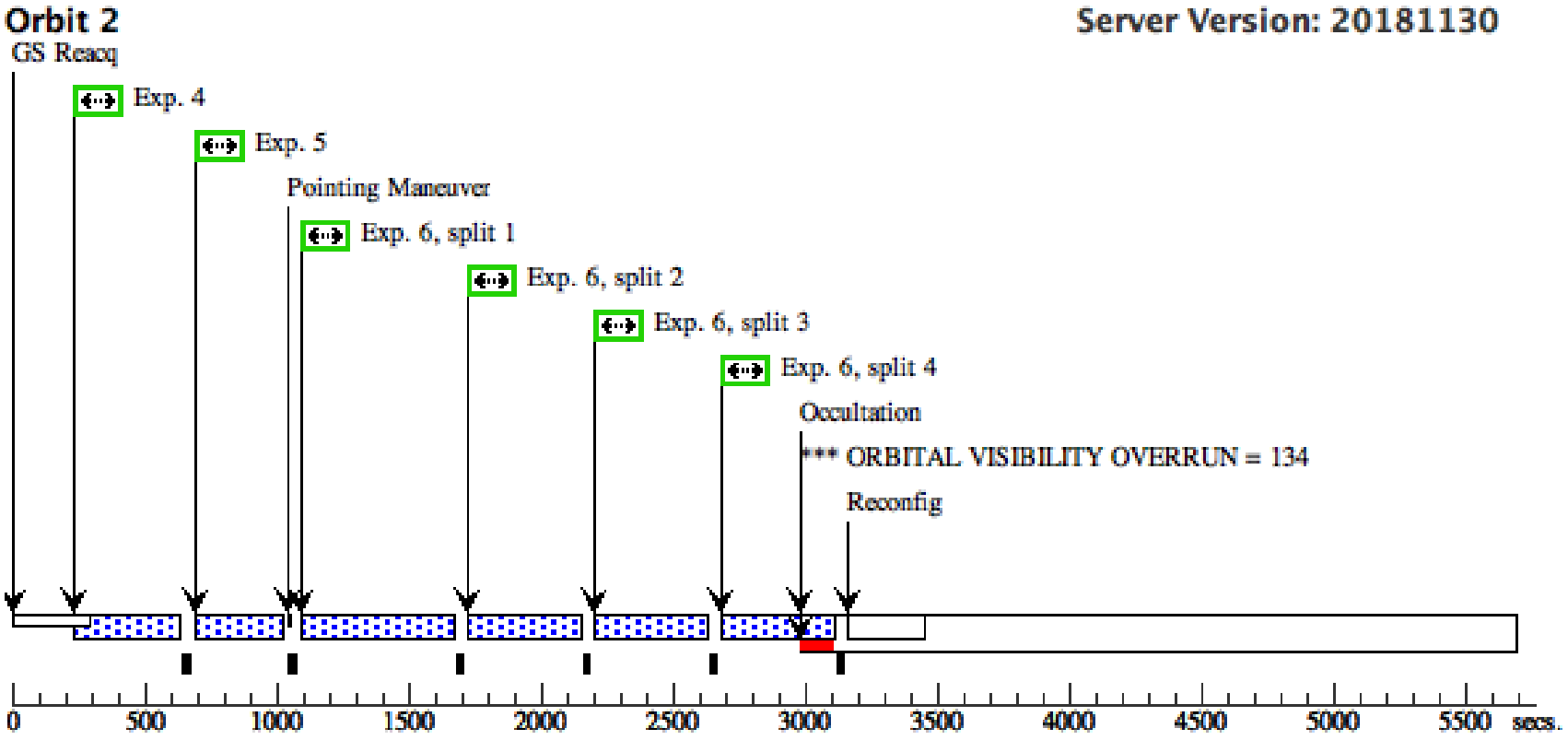
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

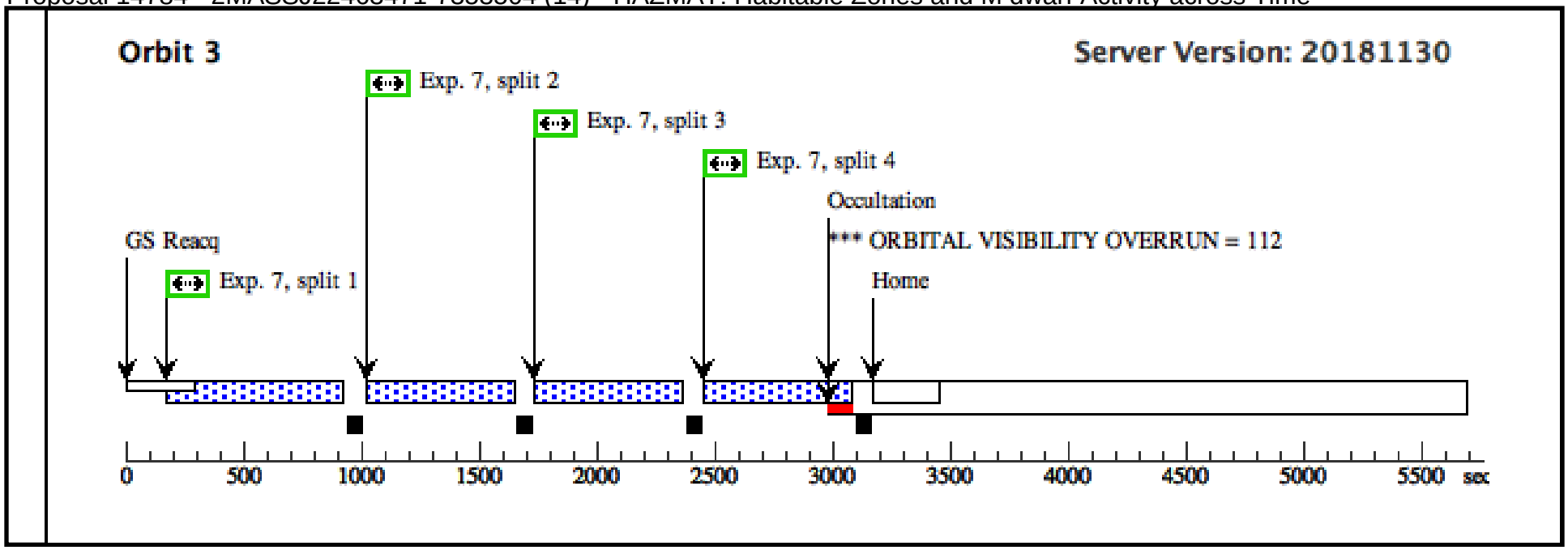
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASSJ22463471-7353504-ACQ/SEARCH (COS.sa.997128)	(28) 2MASSJ22463471-7353504	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			241 Secs (241 Secs) *[==>]*	***[1]***
2	2MASSJ22463471-7353504-ACQ/PEAKXD (COS.sa.1003596)	(28) 2MASSJ22463471-7353504	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				148.2 Secs (148.2 Secs) *[==>]*	***[1]***
3	2MASSJ22463471-7353504-ACQ/PEAKD (COS.sa.997118)	(28) 2MASSJ22463471-7353504	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			241 Secs (241 Secs) *[==>]*	***[1]***
4	2MASSJ22463471-7353504, G230L (COS.sp.997298)	(28) 2MASSJ22463471-7353504	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			320 Secs (320 Secs) *[==>]*	***[2]***
5	2MASSJ22463471-7353504, G230L (COS.sp.997298)	(28) 2MASSJ22463471-7353504	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			320 Secs (320 Secs) *[==>]*	***[2]***
6	2MASSJ22463471-7353504, G160M (COS.sp.997283)	(28) 2MASSJ22463471-7353504	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			373 Secs (1492 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[2]***
7	2MASSJ22463471-7353504, G130M (COS.sp.997267)	(28) 2MASSJ22463471-7353504	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			576 Secs (2304 Secs) *[==>576.0 Secs (Split 1)]* *[==>576.0 Secs (Split 2)]* *[==>576.0 Secs (Split 3)]* *[==>576.0 Secs (Split 4)]*	***[3]***

Orbit Structure






Orbit 3
Server Version: 20181130
Exp. 7, split 2
Exp. 7, split 3
Exp. 7, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 112
GS Reacq
Exp. 7, split 1
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 14784 - GJ3290-V1 (15) - HAZMAT: Habitable Zones and M dwarf Activity across Time

Visit

Proposal 14784, GJ3290-V1 (15), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(GJ3290-V1 (15)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(GJ3290-V1 (15)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(GJ3290-V1 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V1 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

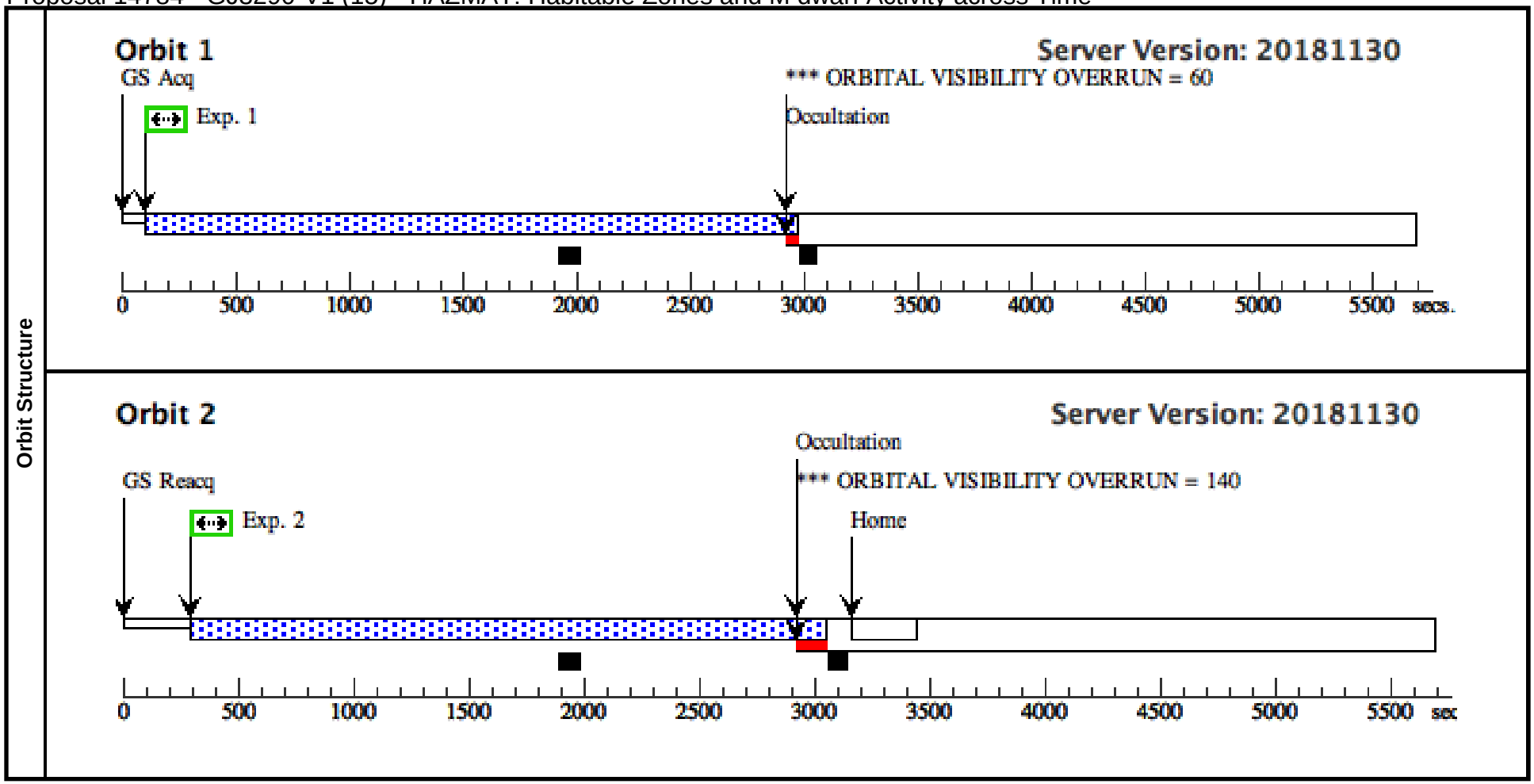
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	GJ3290	RA: 04 27 16.7522 (66.8198008d) Dec: +17 14 30.19 (17.24172d) Equinox: J2000	Proper Motion RA: 108.2 mas/yr Proper Motion Dec: -31.8 mas/yr Parallax: 0.02249" Epoch of Position: 2015	V=13.05	Reference Frame: ICRS

Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GJ3290, G230L (COS.sp.824146)	(13) GJ3290	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			2470 Secs (2627 Secs) *[==>2627.0 Secs]*	***[1]***
2	GJ3290, G230L (COS.sp.824146)	(13) GJ3290	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			2470 Secs (2740 Secs) *[==>2740.0 Secs]*	***[2]***


Orbit Structure
Orbit 1
Server Version: 20181130
GS Acq
*** ORBITAL VISIBILITY OVERRUN = 60
Exp. 1
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Orbit 2
Server Version: 20181130
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 2
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, GJ3290-V2 (16), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 15 BY 3 Orbits TO 2 D

Comments: Visits for the same target should be spaced as close together in time as possible, please.

Diagnostics

(GJ3290-V2 (16)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(GJ3290-V2 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V2 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V2 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V2 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

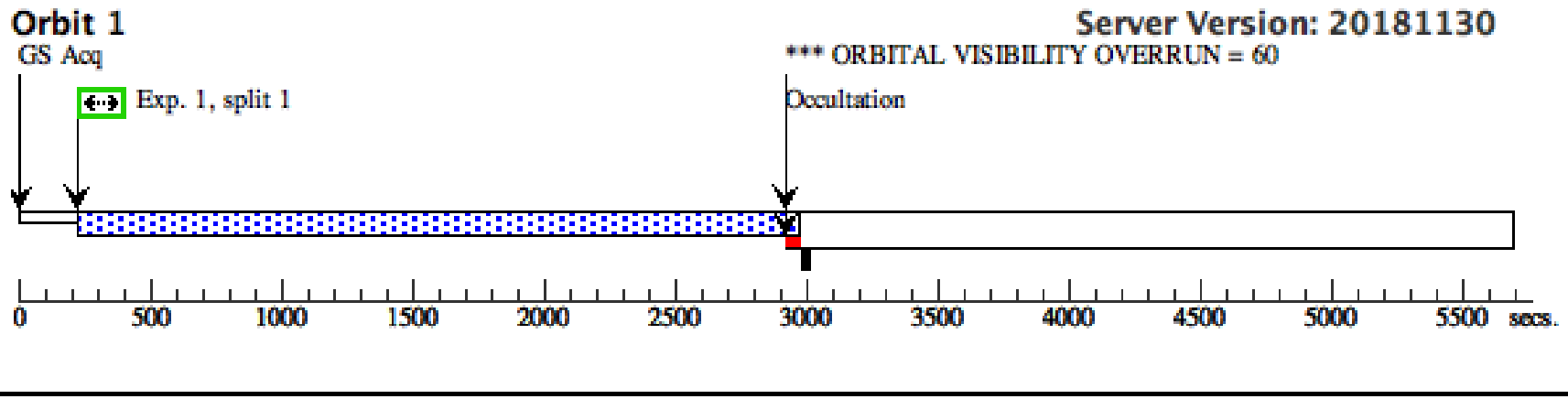
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	GJ3290	RA: 04 27 16.7522 (66.8198008d) Dec: +17 14 30.19 (17.24172d) Equinox: J2000	Proper Motion RA: 108.2 mas/yr Proper Motion Dec: -31.8 mas/yr Parallax: 0.02249" Epoch of Position: 2015	V=13.05	Reference Frame: ICRS

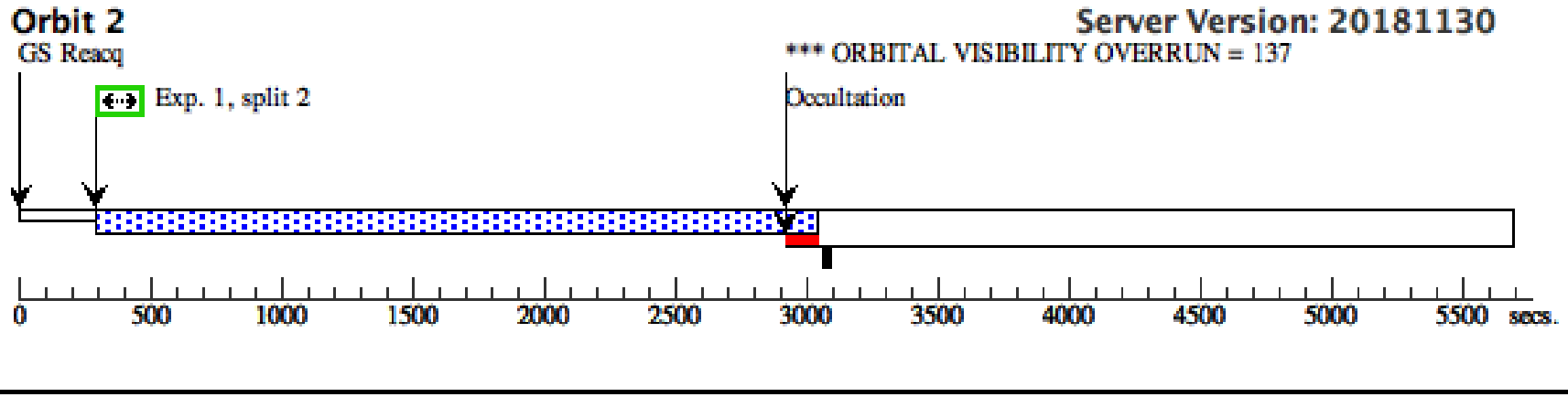
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

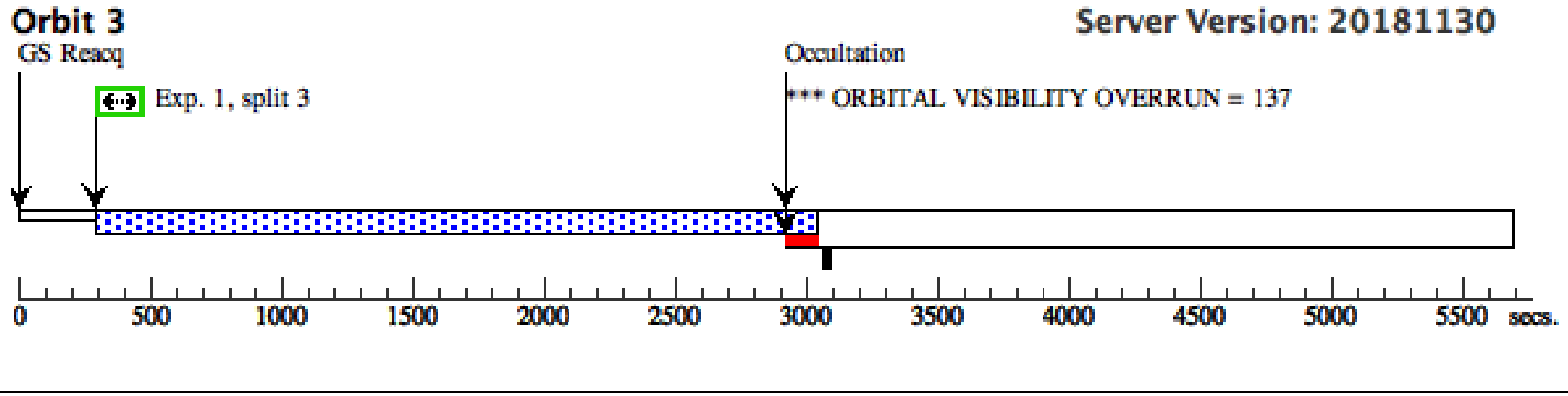
Exposures

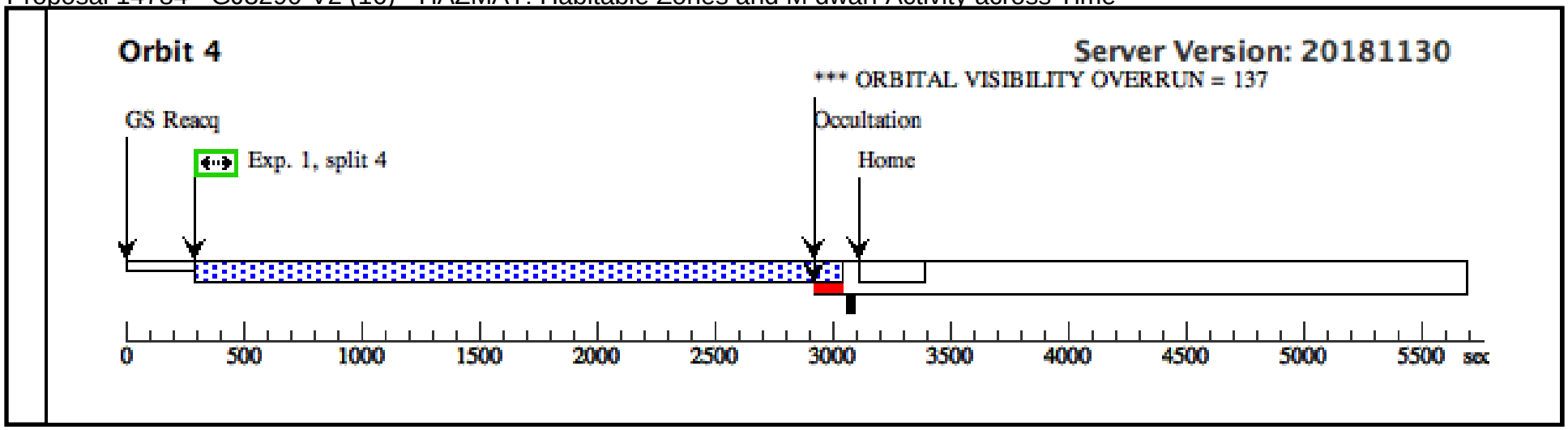
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GJ3290, G160M (COS.sp.824161)	(13) GJ3290	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			2700 Secs (10690 Secs)	
								[==>2590.0 Secs (Split 1)]	***[1]***
								[==>(Split 2)]	***[2]***
								[==>(Split 3)]	***[3]***
								[==>(Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 137
GS Reacq
Exp. 1, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 14784 - GJ3290-V3 (17) - HAZMAT: Habitable Zones and M dwarf Activity across Time

Visit

Proposal 14784, GJ3290-V3 (17), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 15 BY 7 Orbits TO 2 D

Comments: Visits for the same target should be spaced as close together in time as possible, please.

Diagnostics

(GJ3290-V3 (17)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(GJ3290-V3 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V3 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V3 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V3 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

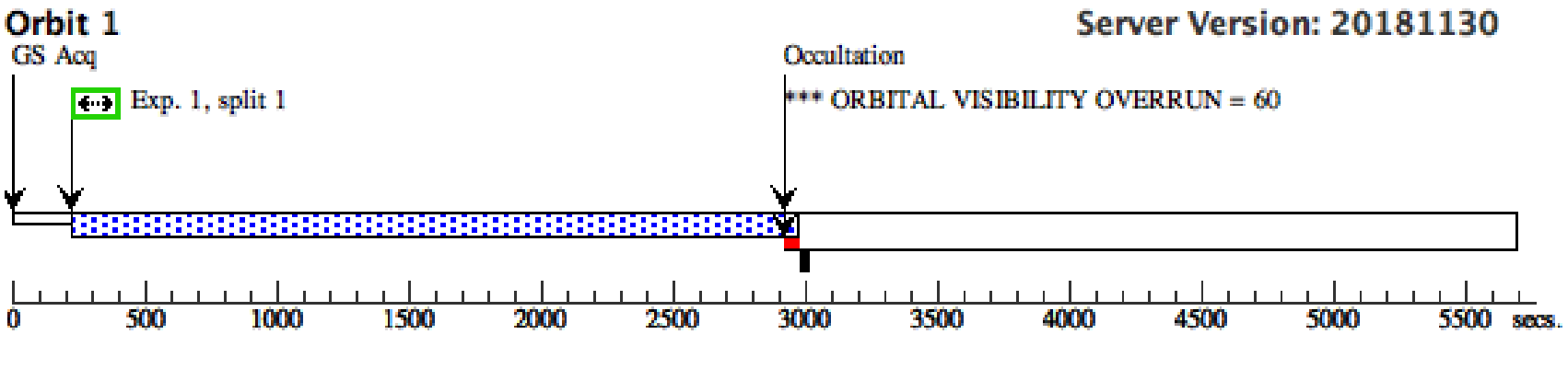
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	GJ3290	RA: 04 27 16.7522 (66.8198008d) Dec: +17 14 30.19 (17.24172d) Equinox: J2000	Proper Motion RA: 108.2 mas/yr Proper Motion Dec: -31.8 mas/yr Parallax: 0.02249" Epoch of Position: 2015	V=13.05	Reference Frame: ICRS

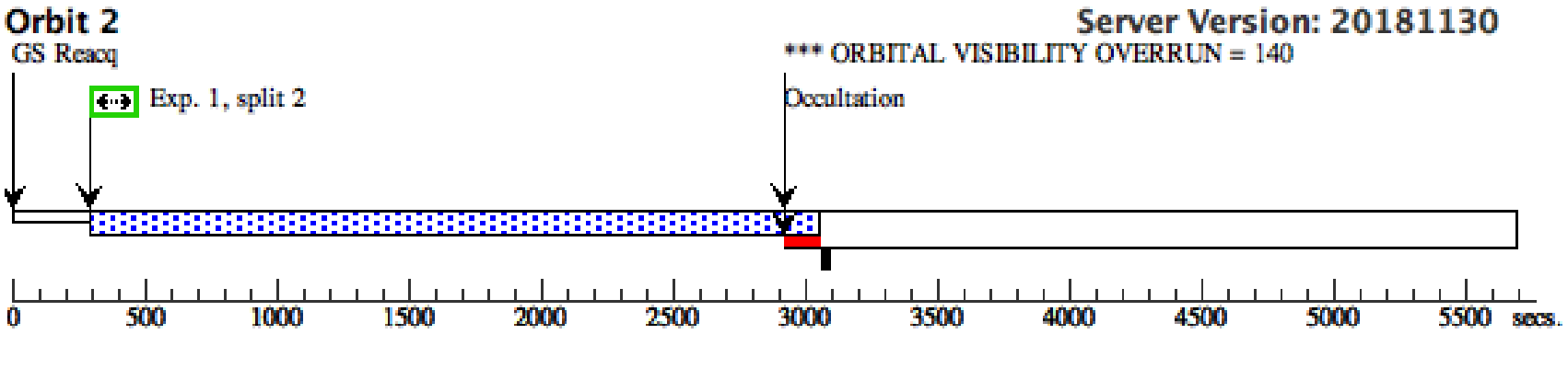
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

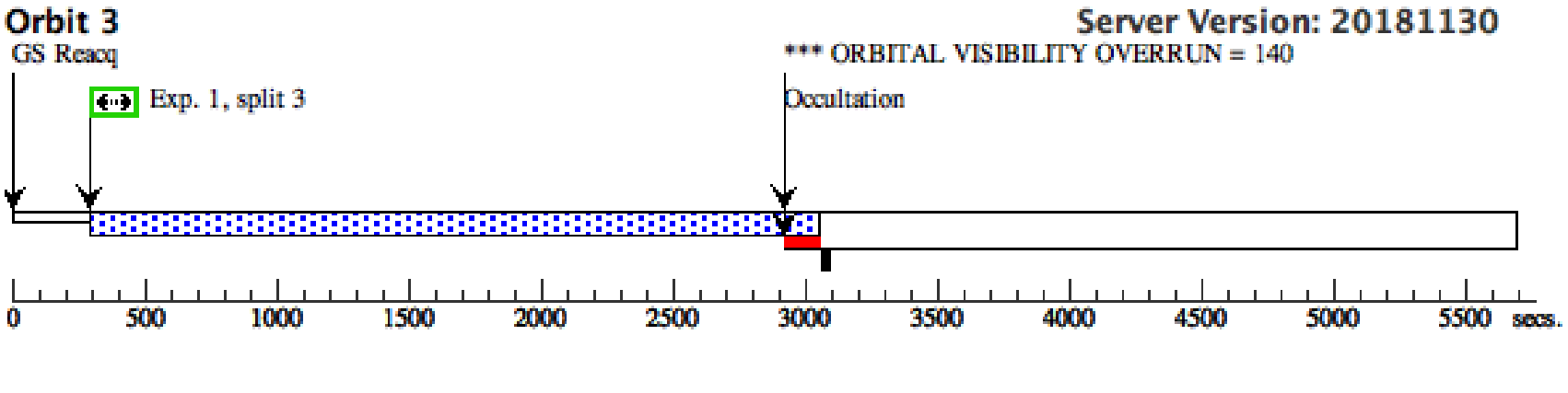
Exposures

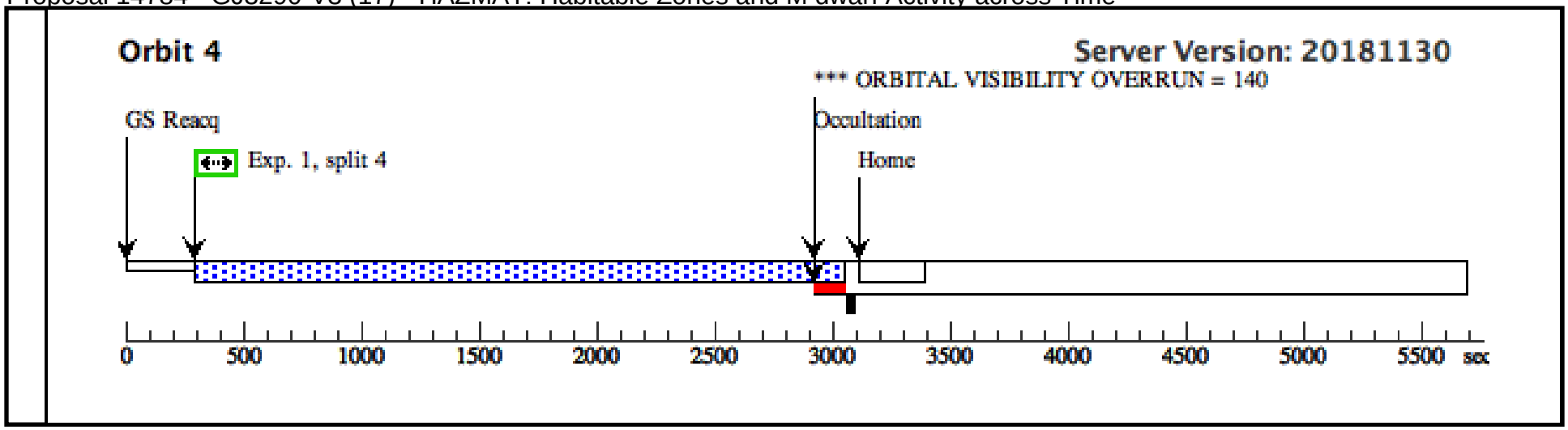
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GJ3290, G160M (COS.sp.824161)	(13) GJ3290	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			2700 Secs (10699 Secs)	
								[==>2590.0 Secs (Split 1)]	***[1]***
								[==>2703.0 Secs (Split 2)]	***[2]***
								[==>2703.0 Secs (Split 3)]	***[3]***
								[==>2703.0 Secs (Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 1, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, GJ3290-V4 (18), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 17 BY 5 Orbits TO 2 D

Comments: Visits for the same target should be spaced as close together in time as possible, please.

Diagnostics

(GJ3290-V4 (18)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(GJ3290-V4 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V4 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V4 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V4 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

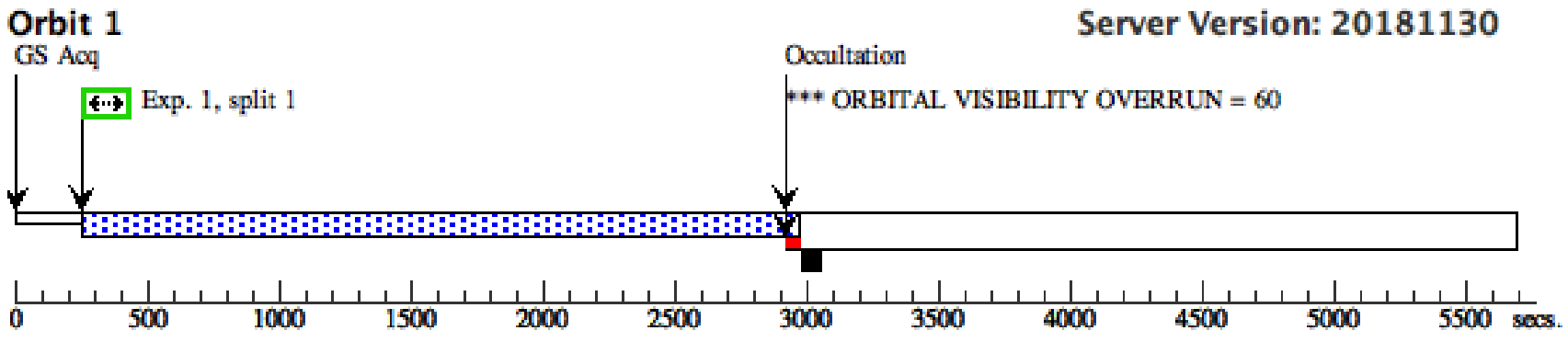
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	GJ3290	RA: 04 27 16.7522 (66.8198008d) Dec: +17 14 30.19 (17.24172d) Equinox: J2000	Proper Motion RA: 108.2 mas/yr Proper Motion Dec: -31.8 mas/yr Parallax: 0.02249" Epoch of Position: 2015	V=13.05	Reference Frame: ICRS

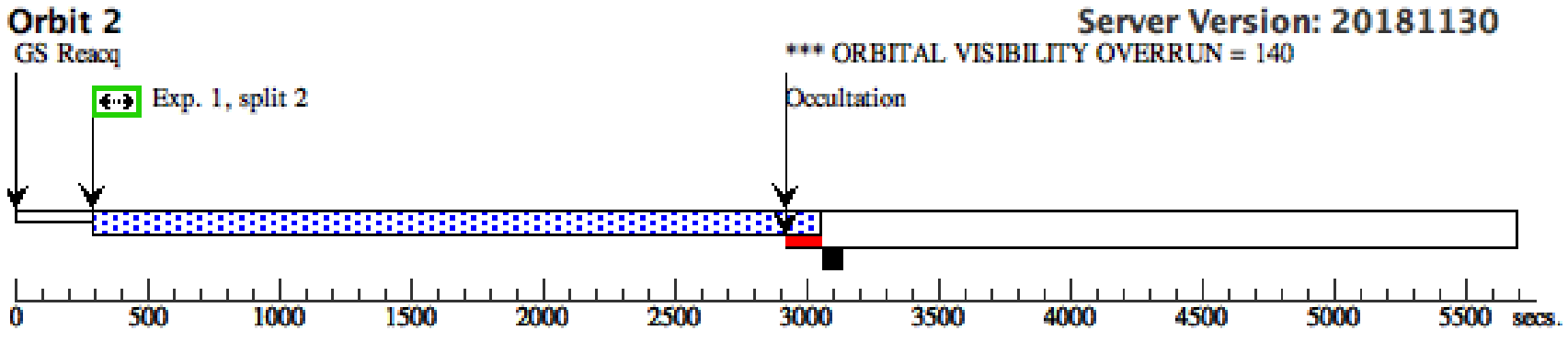
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

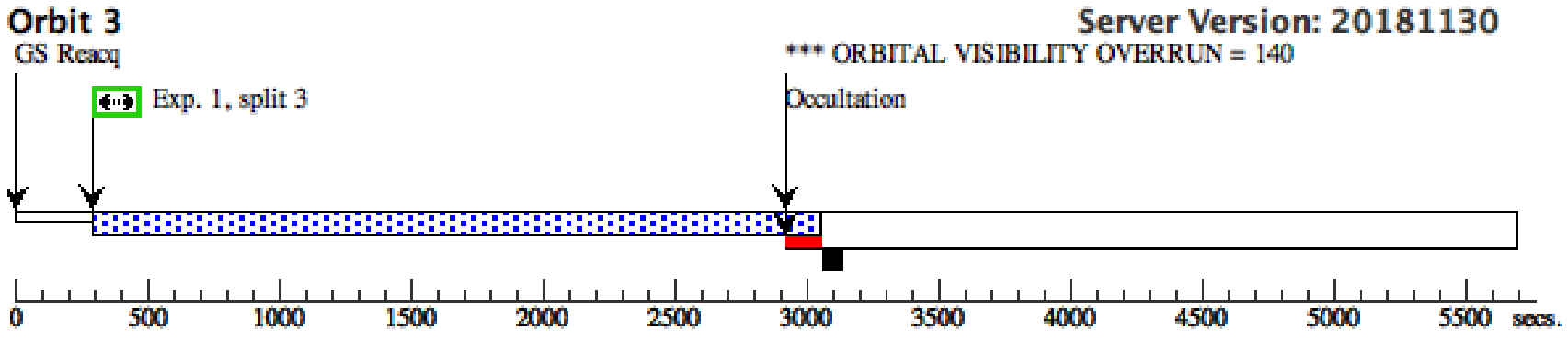
Exposures

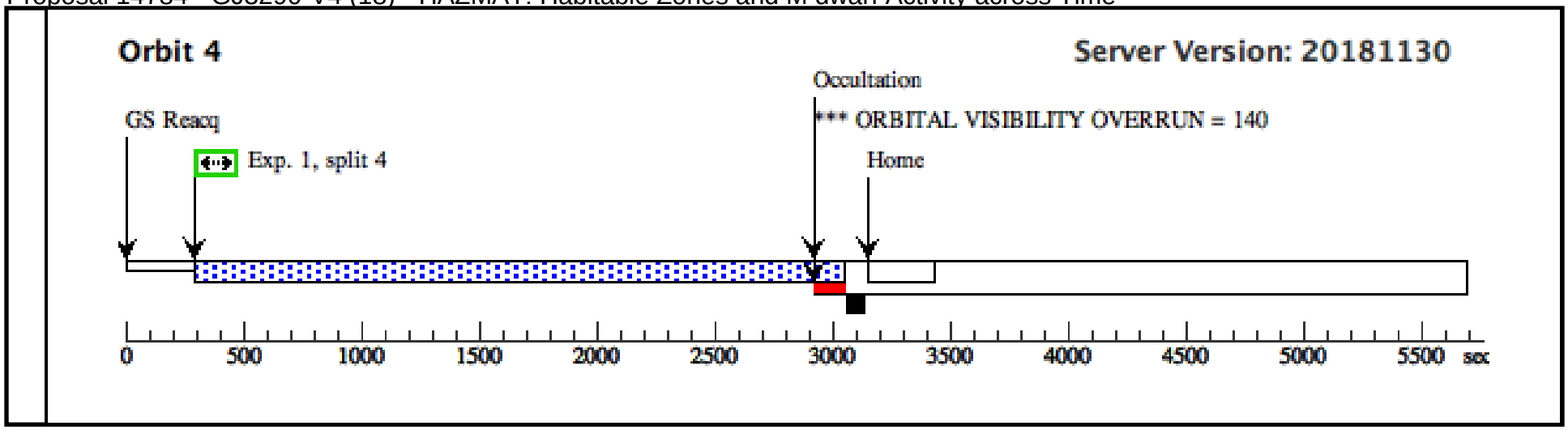
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GJ3290, G130M 1309 A (COS.sp.824164)	(13) GJ3290	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3			2700 Secs (10701 Secs)	
								[==>2592.0 Secs (Split 1)]	***[1]***
								[==>2703.0 Secs (Split 2)]	***[2]***
								[==>2703.0 Secs (Split 3)]	***[3]***
								[==>2703.0 Secs (Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 1, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, GJ3290-V5 (19), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 18 BY 5 Orbits TO 2 D

Comments: Visits for the same target should be spaced as close together in time as possible, please.

Diagnostics

(GJ3290-V5 (19)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(GJ3290-V5 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V5 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V5 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3290-V5 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

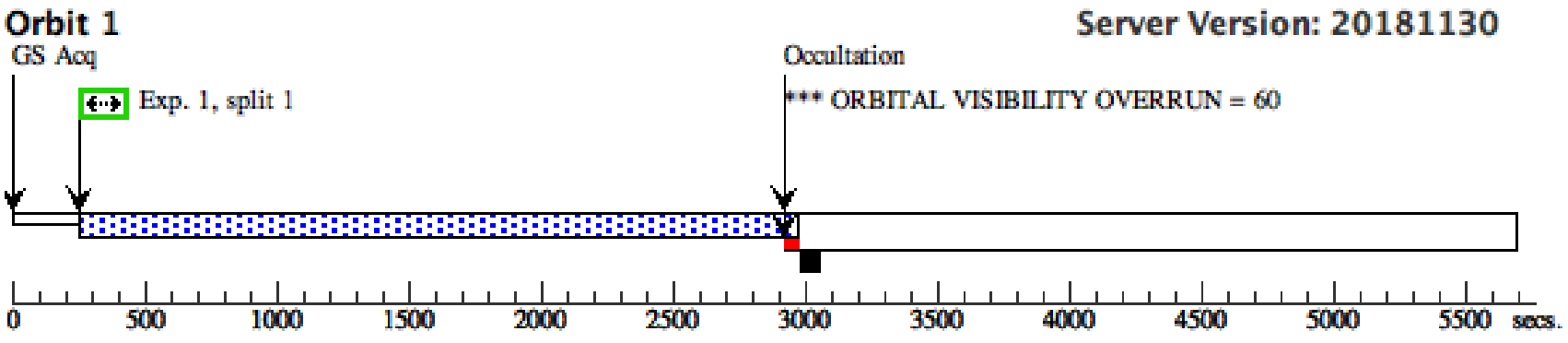
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	GJ3290	RA: 04 27 16.7522 (66.8198008d) Dec: +17 14 30.19 (17.24172d) Equinox: J2000	Proper Motion RA: 108.2 mas/yr Proper Motion Dec: -31.8 mas/yr Parallax: 0.02249" Epoch of Position: 2015	V=13.05	Reference Frame: ICRS

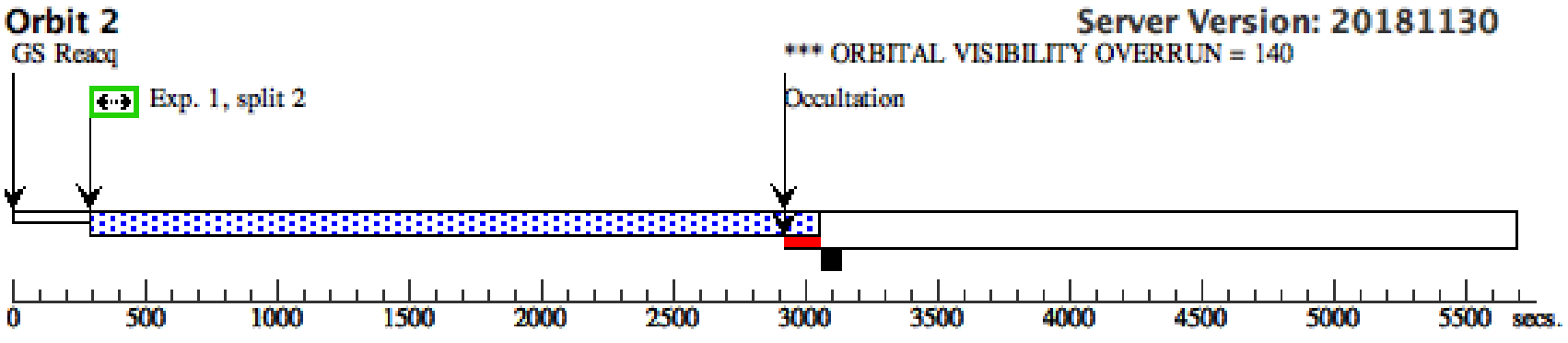
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

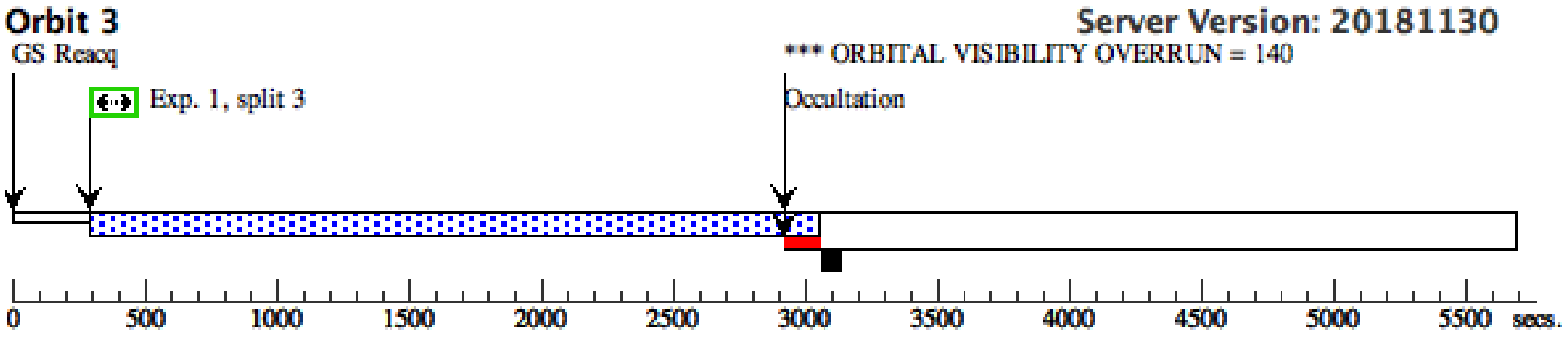
Exposures

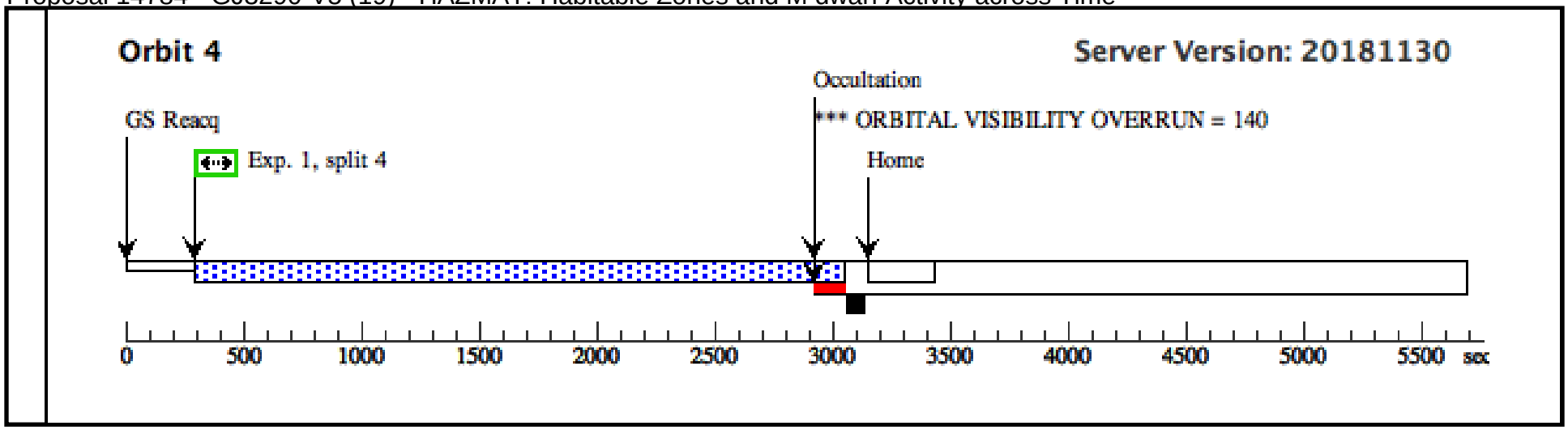
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GJ3290, G130M 1309 (COS.sp.824 164)	(13) GJ3290	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3			2700 Secs (10701 Secs)	
								[==>2592.0 Secs (Split 1)]	***[1]***
								[==>2703.0 Secs (Split 2)]	***[2]***
								[==>2703.0 Secs (Split 3)]	***[3]***
								[==>2703.0 Secs (Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 1, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LP415-1619-V1 (20), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(LP415-1619-V1 (20)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(LP415-1619-V1 (20)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(LP415-1619-V1 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V1 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

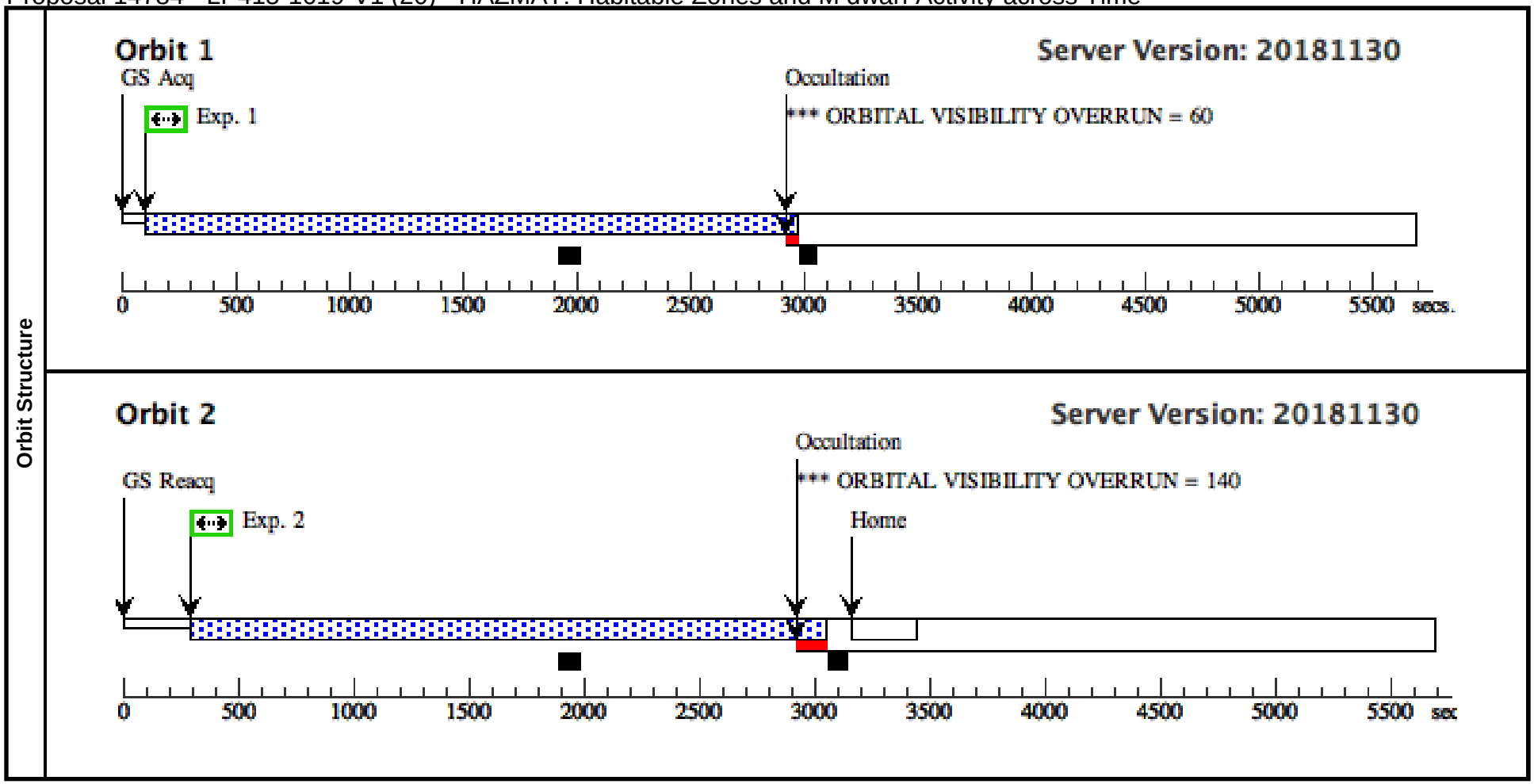
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	LP415-1619	RA: 04 36 39.0587 (69.1627446d) Dec: +18 36 56.13 (18.61559d) Equinox: J2000	Proper Motion RA: 107.6 mas/yr Proper Motion Dec: -38.8 mas/yr Parallax: 0.02302" Epoch of Position: 2015	V=13.27	Reference Frame: ICRS

Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LP415-1619, G230L (COS.sp.824146)	(15) LP415-1619	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			2470 Secs (2627 Secs) *[==>2627.0 Secs]*	***[1]***
2	LP415-1619, G230L (COS.sp.824146)	(15) LP415-1619	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			2470 Secs (2740 Secs) *[==>2740.0 Secs]*	***[2]***


Orbit Structure
Orbit 1
Server Version: 20181130
GS Acq
Exp. 1
Occultation
*** ORBITAL VISIBILITY OVERRUN = 60
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Orbit 2
Server Version: 20181130
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 2
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 14784 - LP415-1619-V2 (21) - HAZMAT: Habitable Zones and M dwarf Activity across Time

Visit

Proposal 14784, LP415-1619-V2 (21), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 20 BY 3 Orbits TO 2 D

Diagnostics

(LP415-1619-V2 (21)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(LP415-1619-V2 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V2 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V2 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V2 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

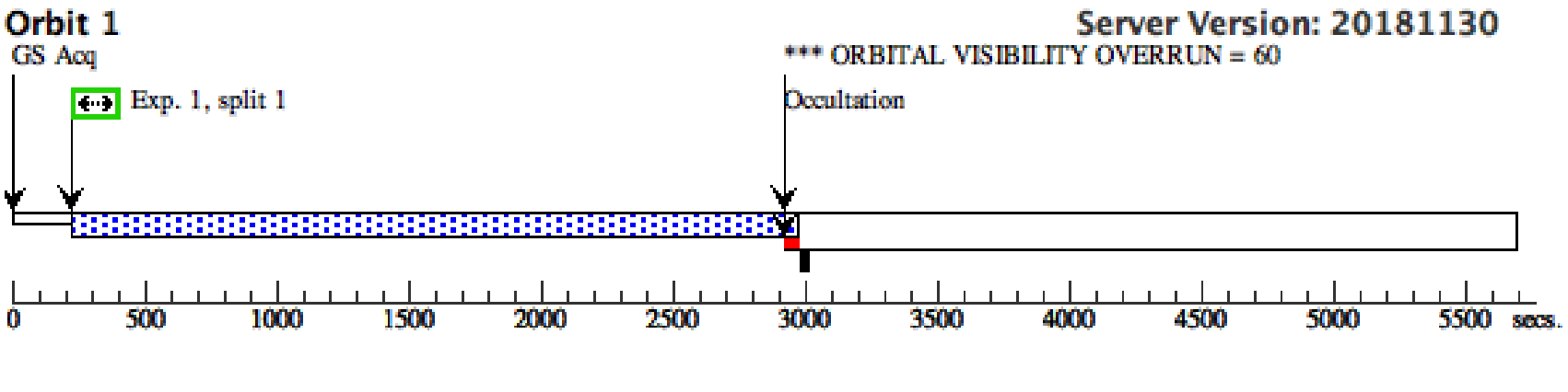
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	LP415-1619	RA: 04 36 39.0587 (69.1627446d) Dec: +18 36 56.13 (18.61559d) Equinox: J2000	Proper Motion RA: 107.6 mas/yr Proper Motion Dec: -38.8 mas/yr Parallax: 0.02302" Epoch of Position: 2015	V=13.27	Reference Frame: ICRS

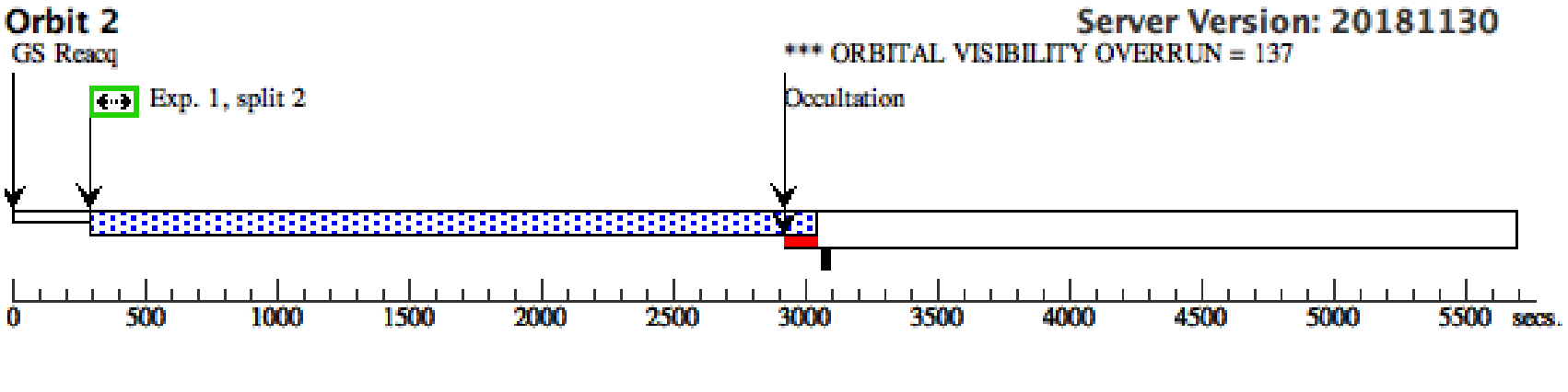
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

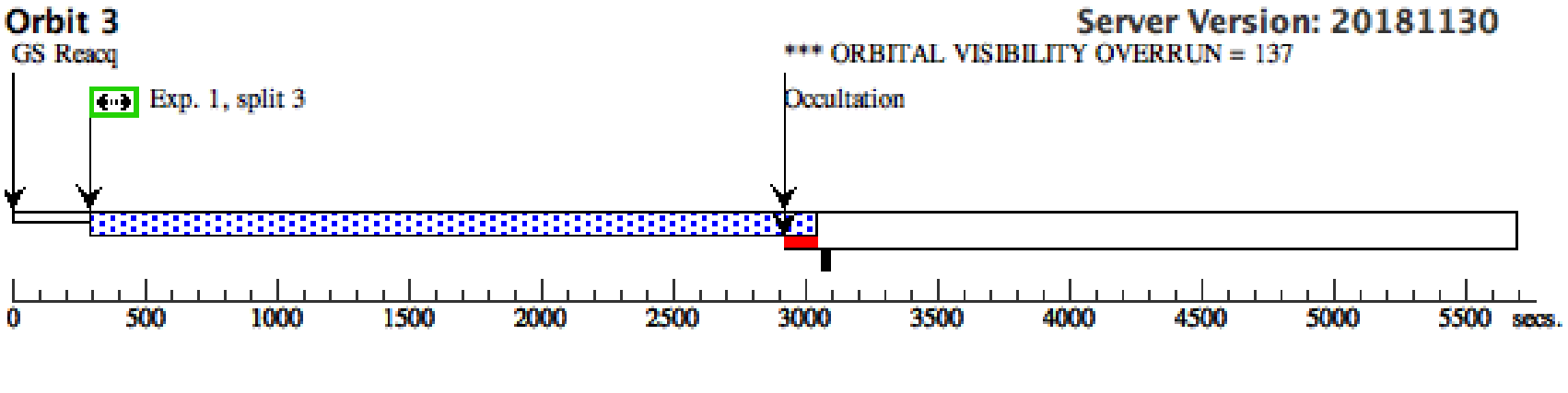
Exposures

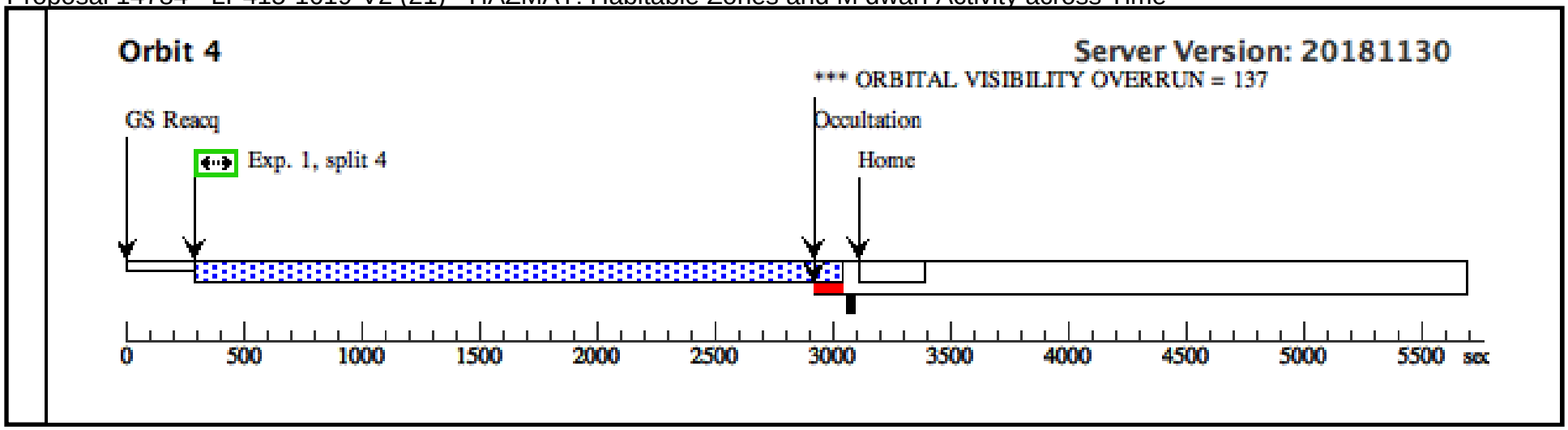
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LP415-1619, G160M (COS.sp.824161)	(15) LP415-1619	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			2700 Secs (10690 Secs)	
								[==>2590.0 Secs (Split 1)]	***[1]***
								[==>(Split 2)]	***[2]***
								[==>(Split 3)]	***[3]***
								[==>(Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 137
GS Reacq
Exp. 1, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LP415-1619-V3 (22), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 20 BY 8 Orbits TO 3 D

Diagnostics

(LP415-1619-V3 (22)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(LP415-1619-V3 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V3 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V3 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V3 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

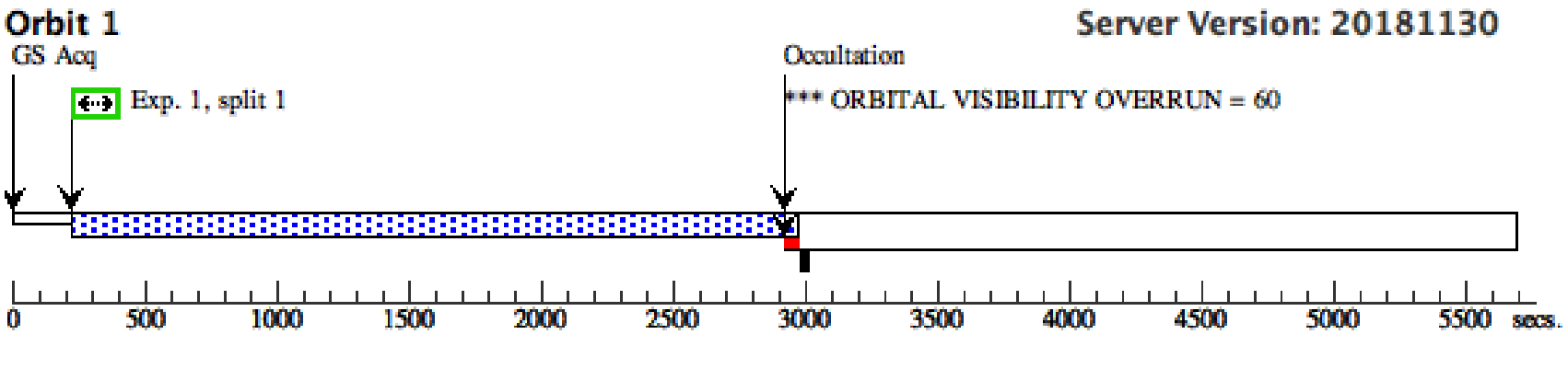
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	LP415-1619	RA: 04 36 39.0587 (69.1627446d) Dec: +18 36 56.13 (18.61559d) Equinox: J2000	Proper Motion RA: 107.6 mas/yr Proper Motion Dec: -38.8 mas/yr Parallax: 0.02302" Epoch of Position: 2015	V=13.27	Reference Frame: ICRS

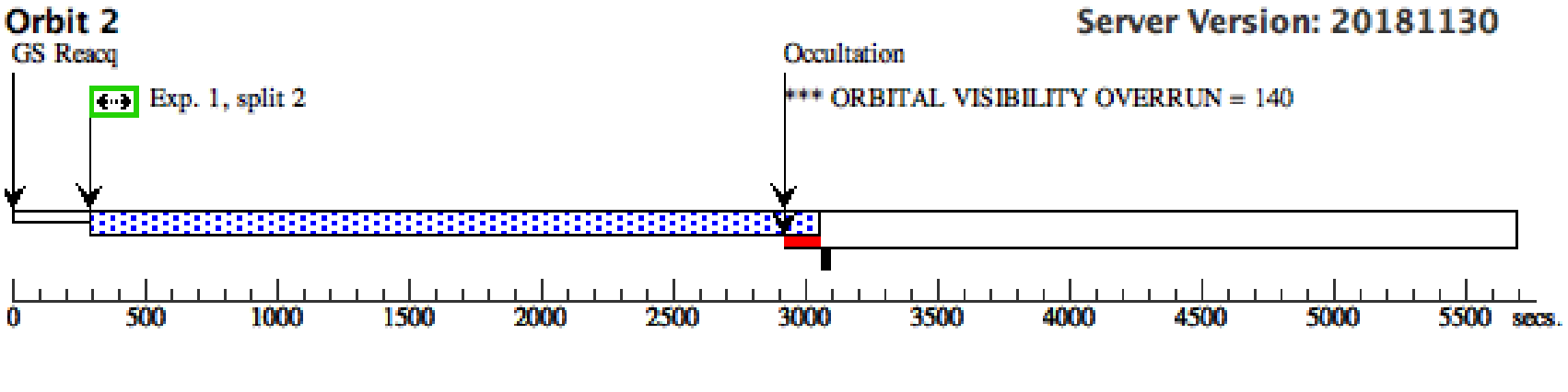
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

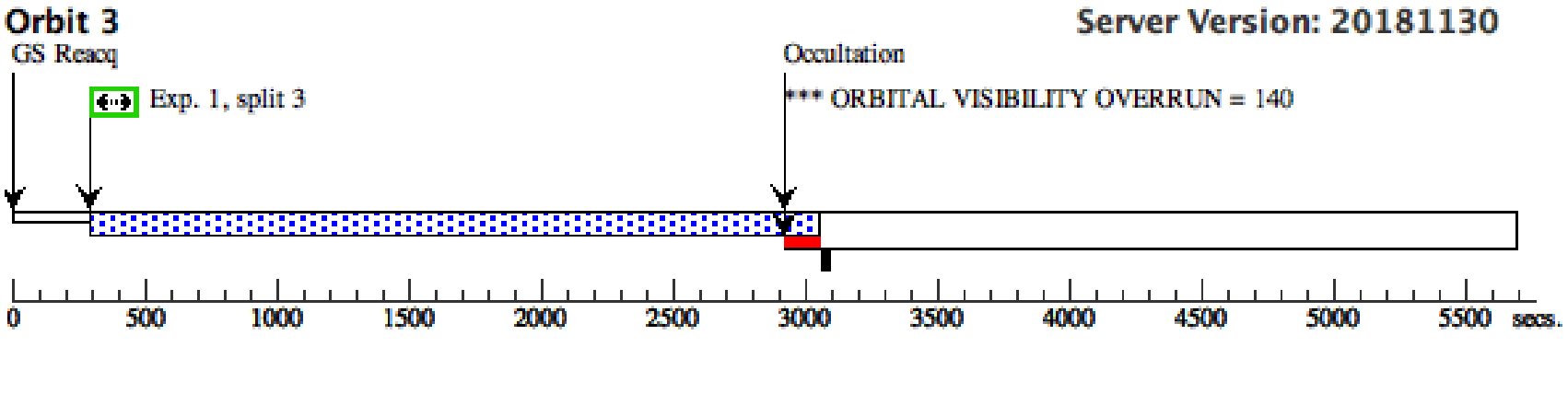
Exposures

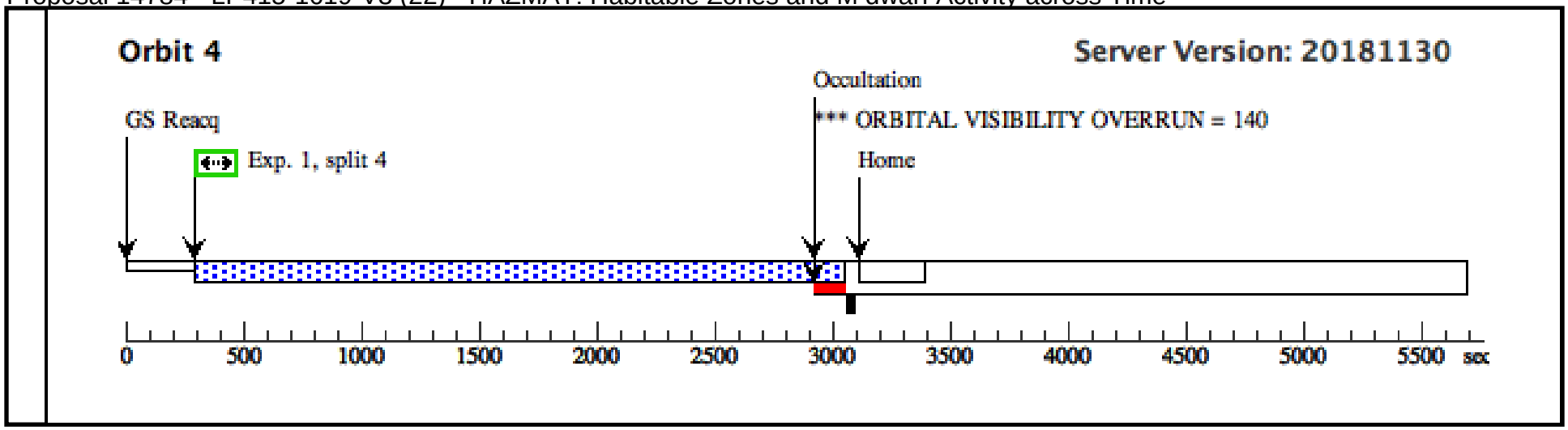
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LP415-1619, G160M (COS.sp.824161)	(15) LP415-1619	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			2700 Secs (10699 Secs)	
								[==>2590.0 Secs (Split 1)]	***[1]***
								[==>2703.0 Secs (Split 2)]	***[2]***
								[==>2703.0 Secs (Split 3)]	***[3]***
								[==>2703.0 Secs (Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 1, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LP415-1619-V4 (23), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 22 BY 5 Orbits TO 2 D

Diagnostics

(LP415-1619, G130M (23.001)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(LP415-1619-V4 (23)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(LP415-1619-V4 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V4 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V4 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V4 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619, G130M (23.001)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

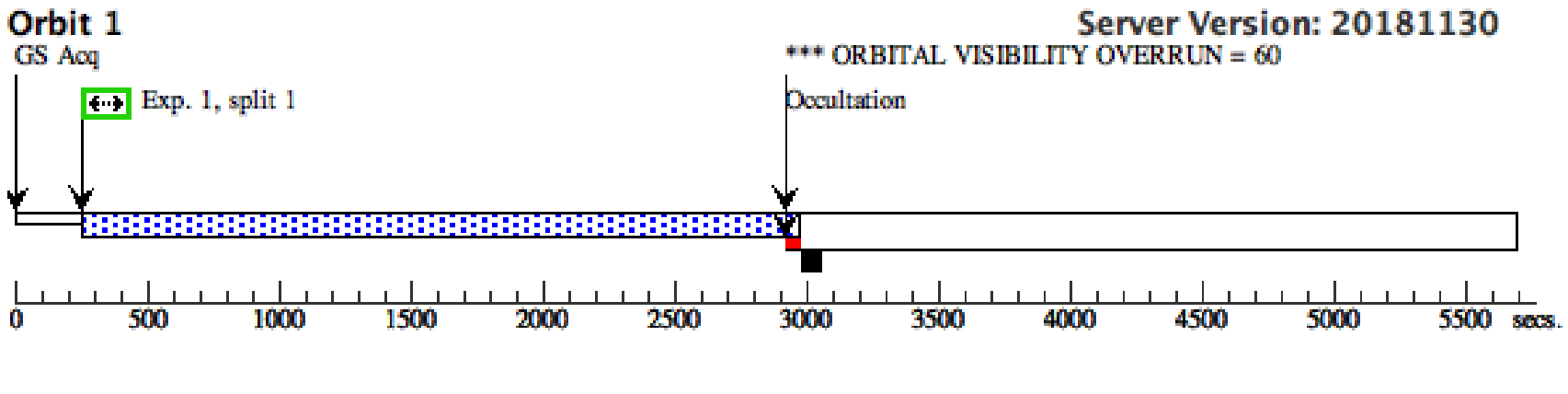
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	LP415-1619	RA: 04 36 39.0587 (69.1627446d) Dec: +18 36 56.13 (18.61559d) Equinox: J2000	Proper Motion RA: 107.6 mas/yr Proper Motion Dec: -38.8 mas/yr Parallax: 0.02302" Epoch of Position: 2015	V=13.27	Reference Frame: ICRS

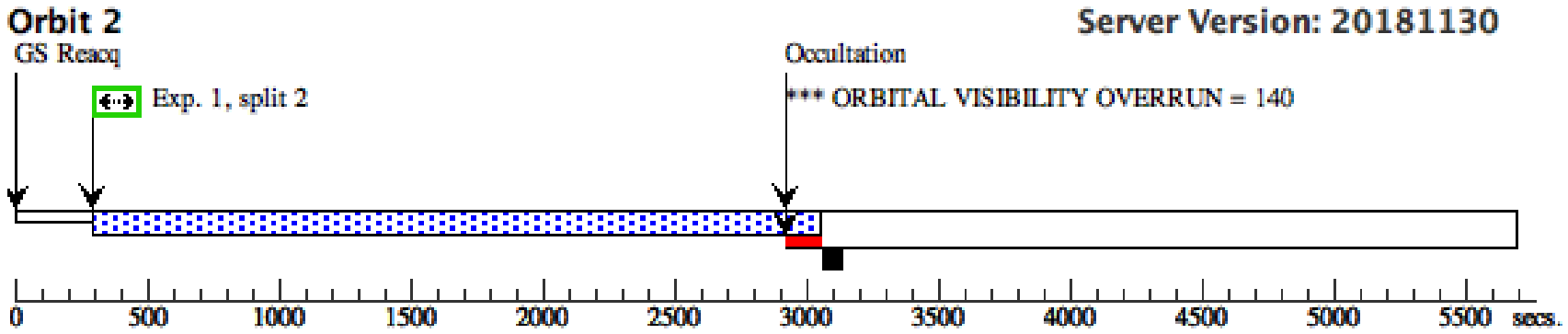
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

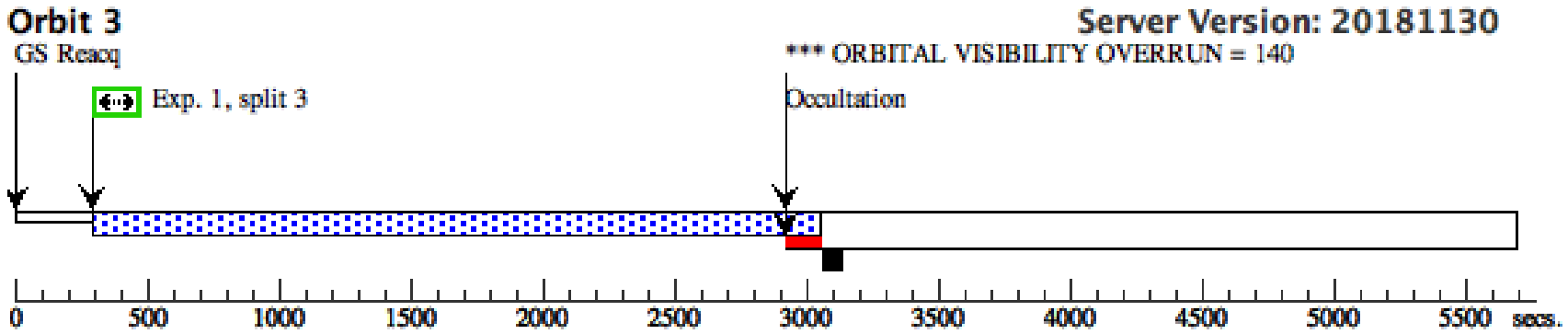
Exposures

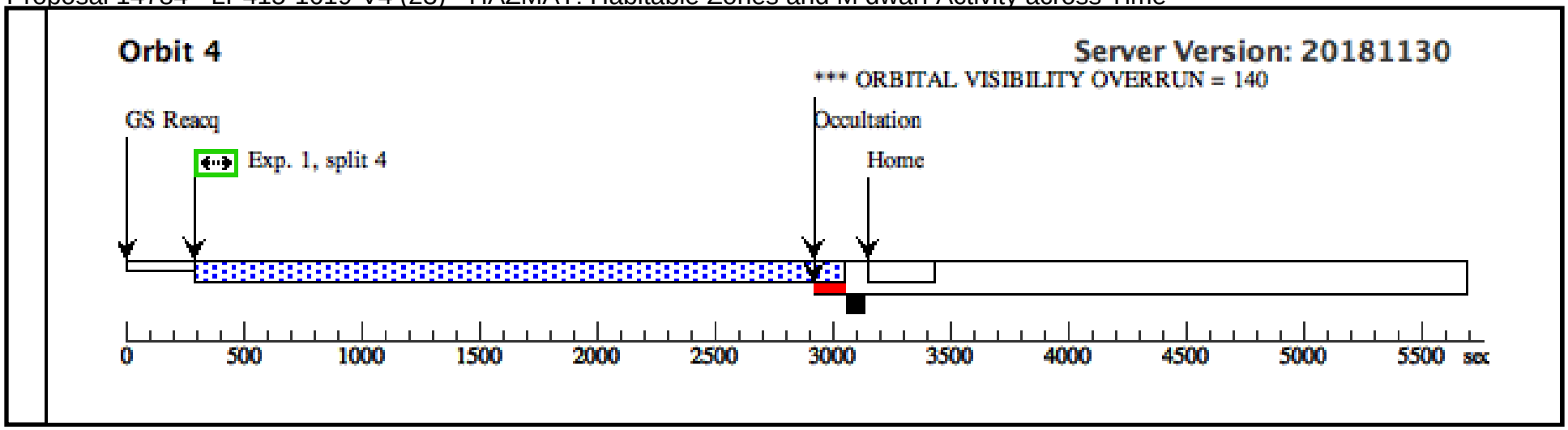
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LP415-1619, G130M (COS.sp.824164)	(15) LP415-1619	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=ALL			2700 Secs (10701 Secs)	
								[==>2592.0 Secs (Split 1)]	***[1]***
								[==>2703.0 Secs (Split 2)]	***[2]***
								[==>2703.0 Secs (Split 3)]	***[3]***
								[==>2703.0 Secs (Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 1, split 4
Occultation
Home
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500
1000
1500
2000
2500
3000
3500
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4500
5000
5500
sec

Visit

Proposal 14784, LP415-1619-V5 (24), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; AFTER 23 BY 5 Orbits TO 2 D

Diagnostics

(LP415-1619, G130M (24.001)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(LP415-1619-V5 (24)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronography with STIS or COS.

(LP415-1619-V5 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V5 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V5 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619-V5 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP415-1619, G130M (24.001)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

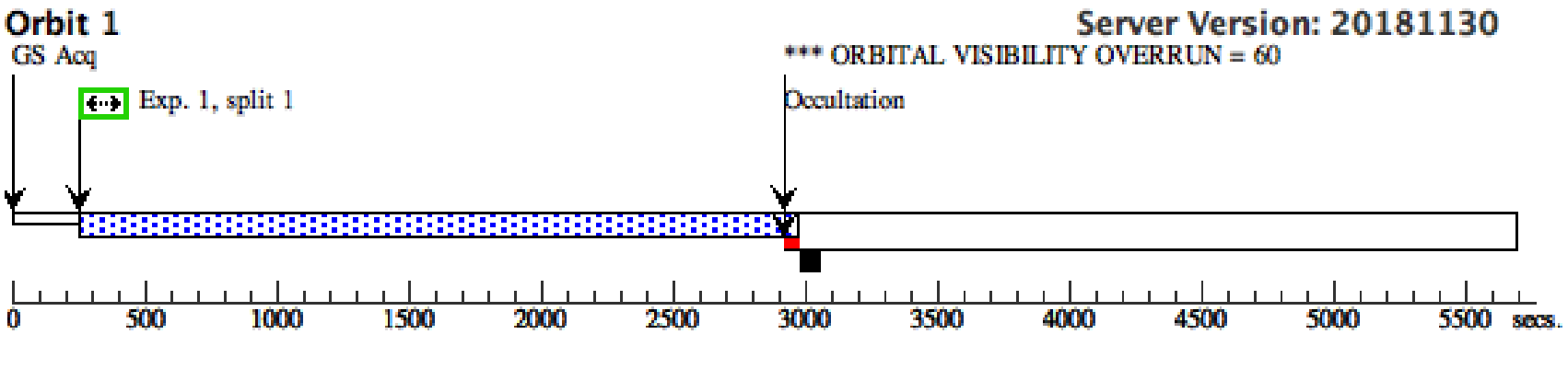
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	LP415-1619	RA: 04 36 39.0587 (69.1627446d) Dec: +18 36 56.13 (18.61559d) Equinox: J2000	Proper Motion RA: 107.6 mas/yr Proper Motion Dec: -38.8 mas/yr Parallax: 0.02302" Epoch of Position: 2015	V=13.27	Reference Frame: ICRS

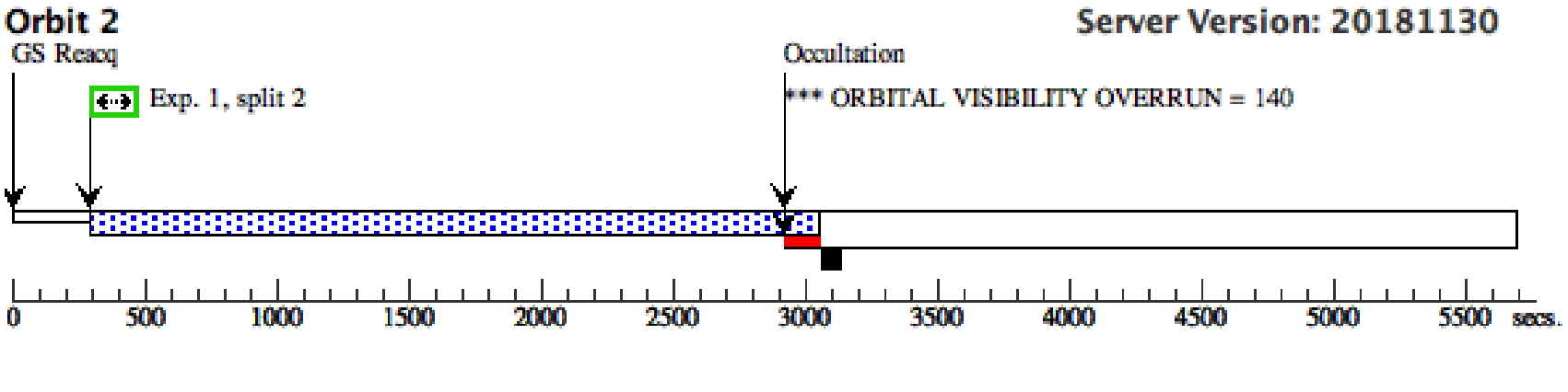
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

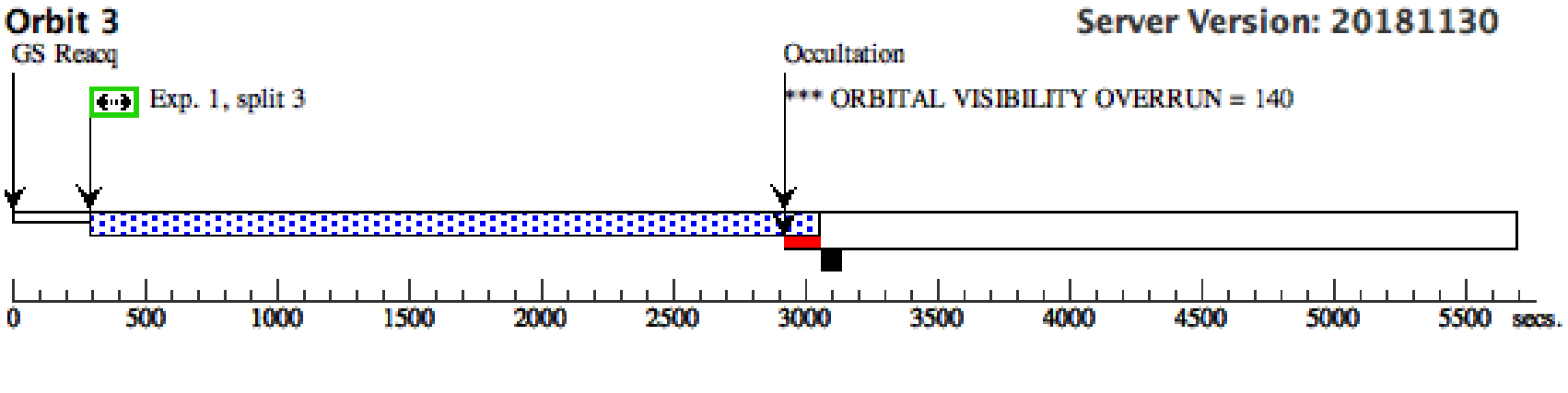
Exposures

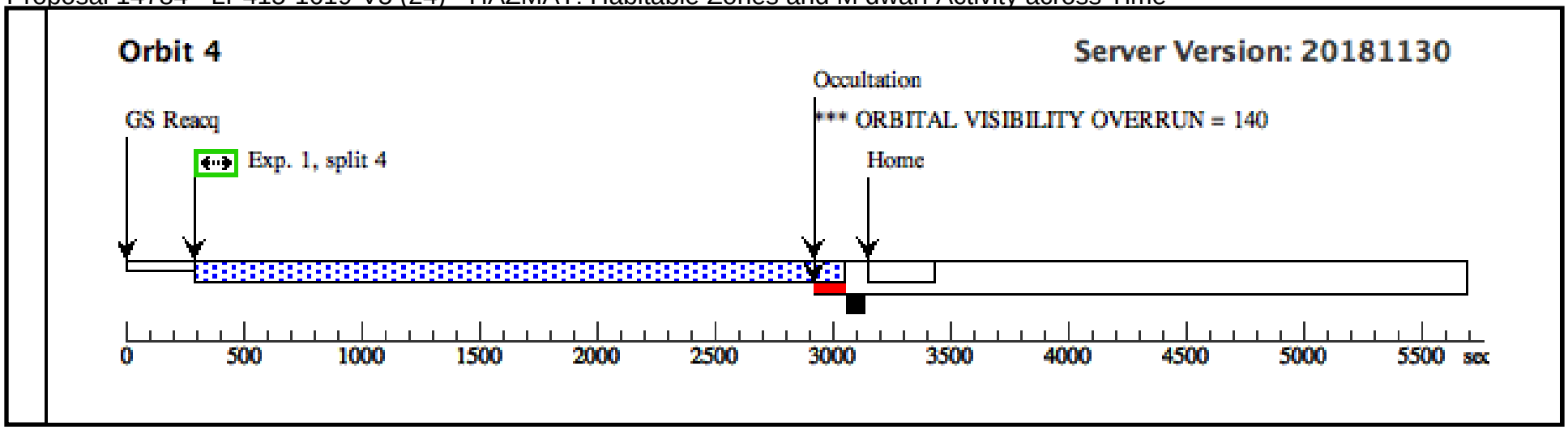
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LP415-1619, G130M (COS.sp.82416 4)	(15) LP415-1619	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=ALL			2700 Secs (10701 Secs)	
								[==>2592.0 Secs (Split 1)]	***[1]***
								[==>2703.0 Secs (Split 2)]	***[2]***
								[==>2703.0 Secs (Split 3)]	***[3]***
								[==>2703.0 Secs (Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 1, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LP5-282-V1 (25), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(LP5-282-V1 (25)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(LP5-282-V1 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP5-282-V1 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP5-282-V1 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP5-282-V1 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP5-282-V1 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

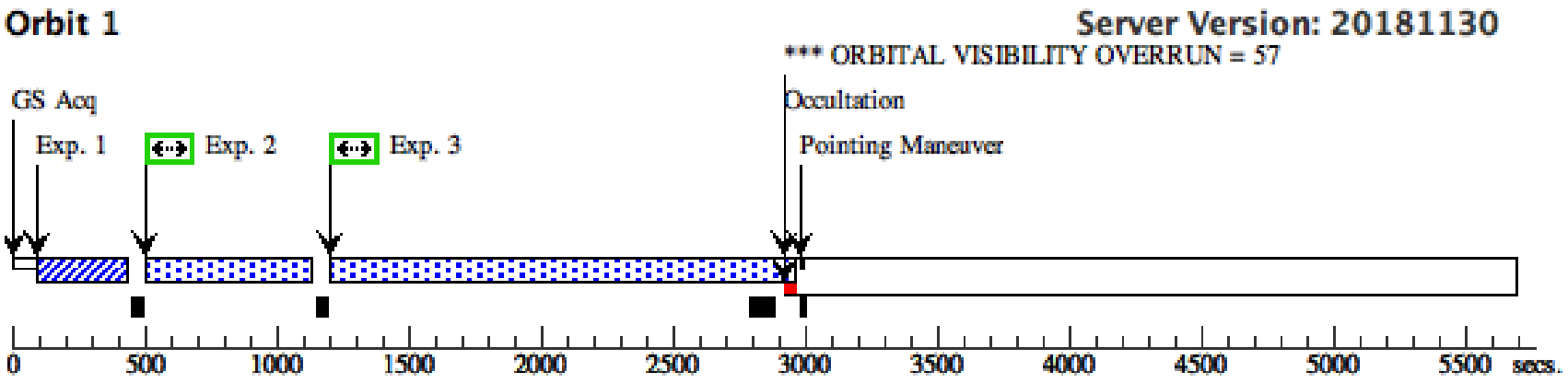
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(32)	LP5-282	RA: 04 23 0.0080 (65.7500333d) Dec: +13 18 58.33 (13.31620d) Equinox: J2000	Proper Motion RA: 93.5 mas/yr Proper Motion Dec: -14.6 mas/yr Parallax: 0.01799" Epoch of Position: 2015	V=13.686	Reference Frame: ICRS

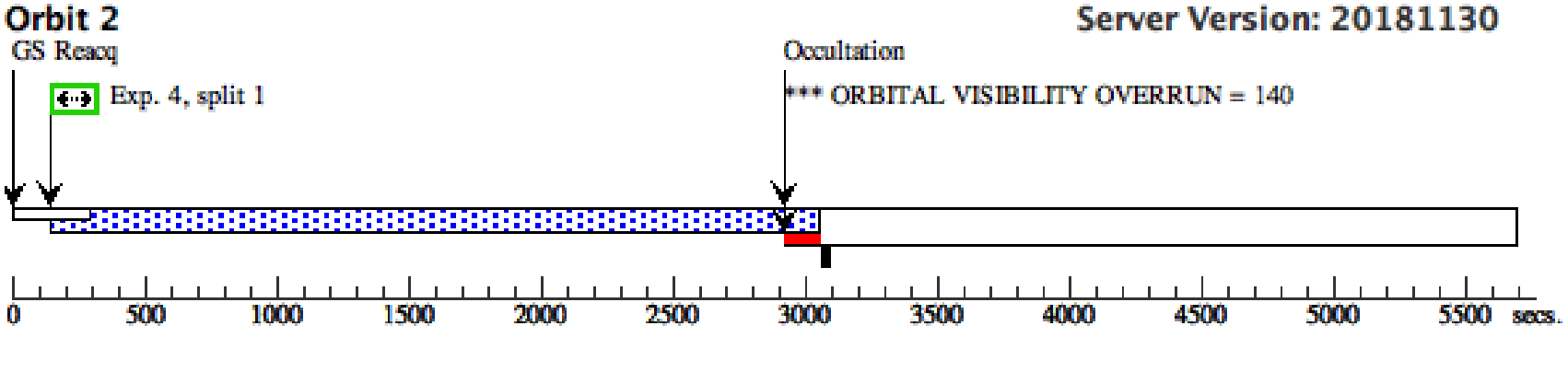
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

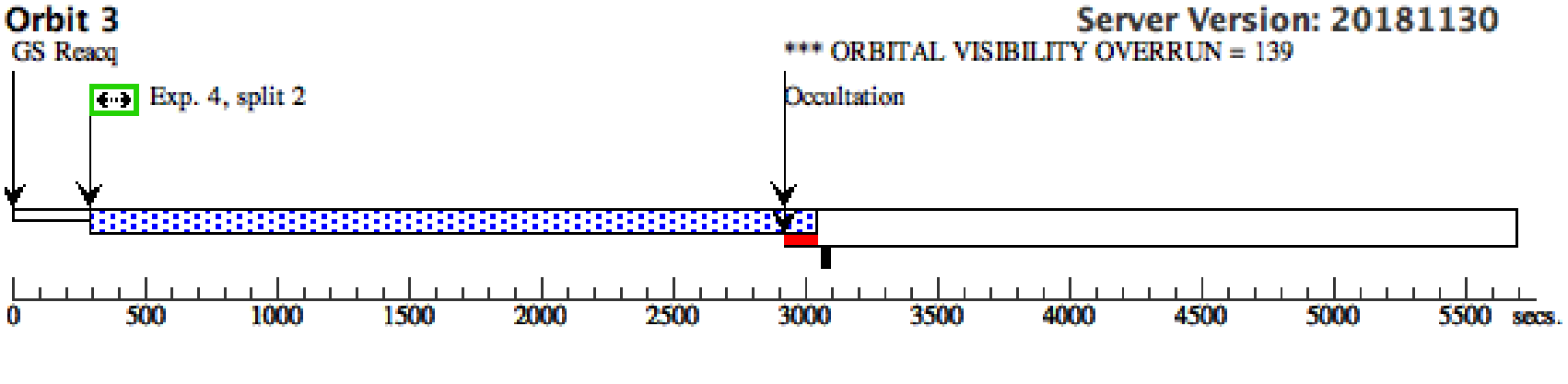
Exposures

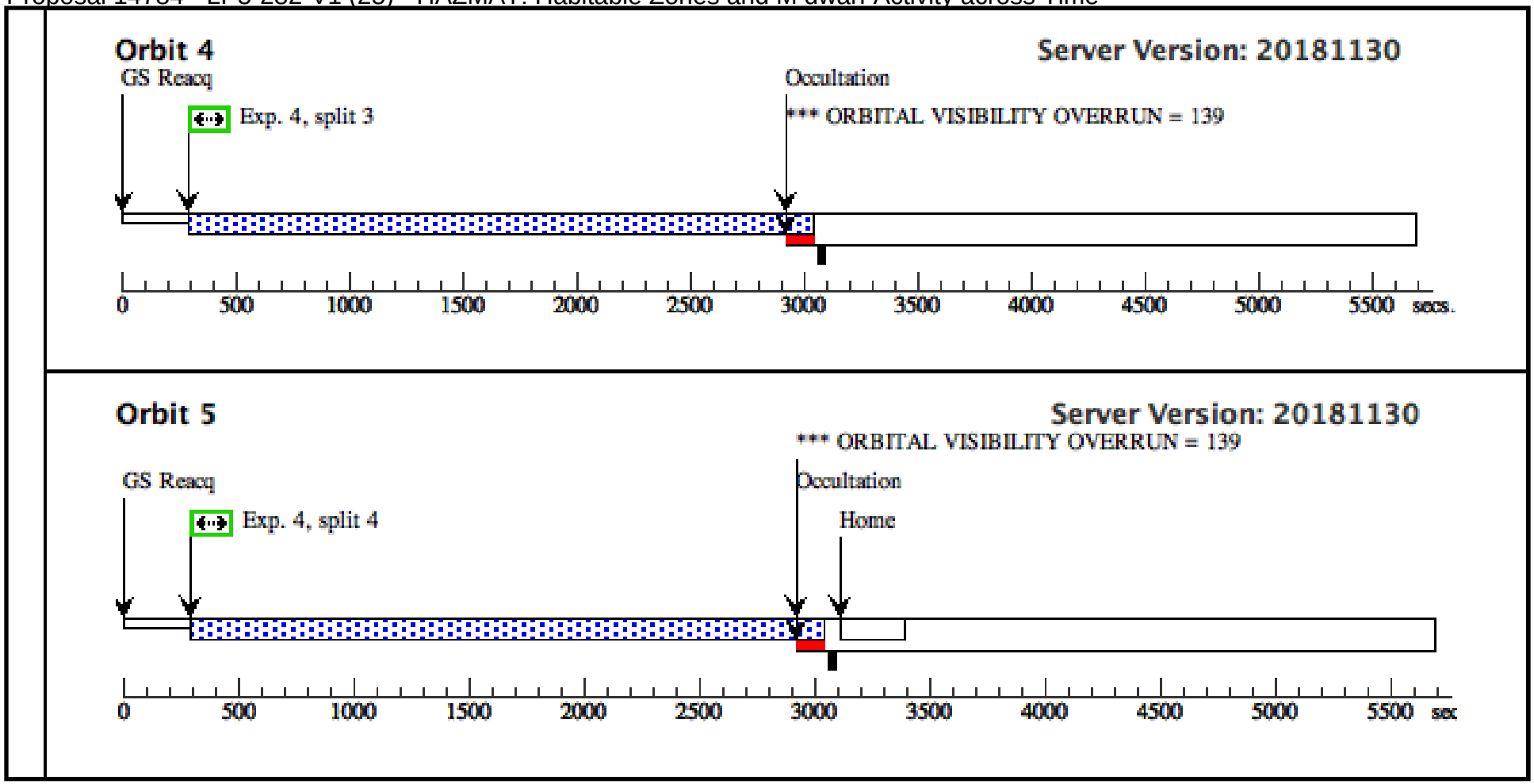
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LP5-282-ACQ/IMAGE (COS.ta.1047562)	(32) LP5-282	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.0 Secs (22 Secs) *[==>]*	 ***[1]***
2	LP5-282, G230L (COS.sp.824146)	(32) LP5-282	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			1093 Secs (522 Secs) *[==>522.0 Secs]*	 ***[1]***
3	LP5-282, G230L (COS.sp.824146)	(32) LP5-282	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			1093 Secs (1746 Secs) *[==>1746.0 Secs]*	 ***[1]***
4	LP5-282, G160M (COS.sp.824161)	(32) LP5-282	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			2700 Secs (10799 Secs) *[==>2699.0 Secs (Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	 ***[2]*** ***[3]*** ***[4]*** ***[5]***

Orbit Structure








Orbit 4
Server Version: 20181130
GS Reacq
Occultation
Exp. 4, split 3
*** ORBITAL VISIBILITY OVERRUN = 139
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Orbit 5
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 139
GS Reacq
Occultation
Exp. 4, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LP5-282-V2 (26), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%; AFTER 25 BY 6 Orbits TO 4 D

Diagnostics

(LP5-282-V2 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP5-282-V2 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LP5-282-V2 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

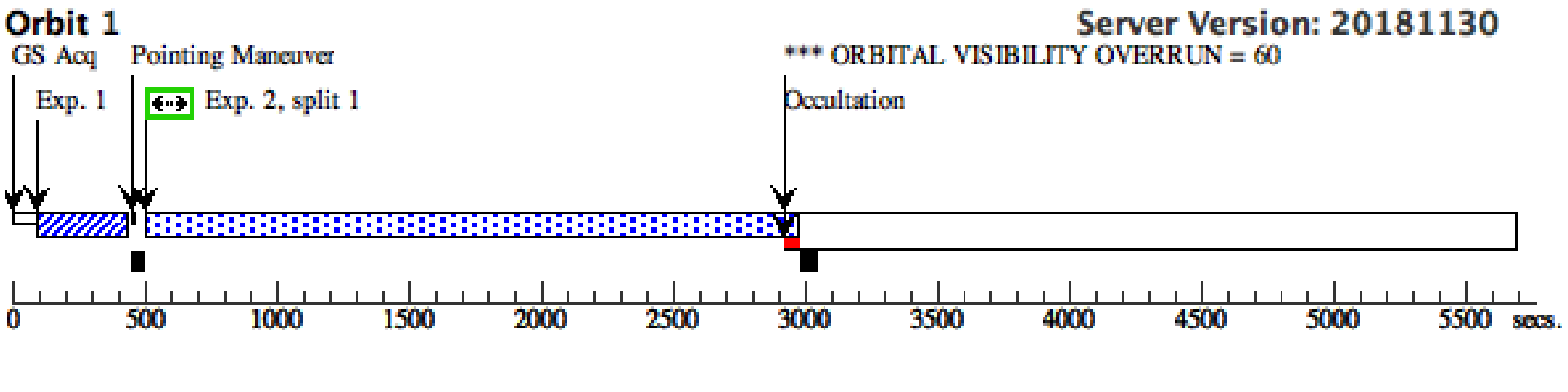
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(32)	LP5-282	RA: 04 23 0.0080 (65.7500333d) Dec: +13 18 58.33 (13.31620d) Equinox: J2000	Proper Motion RA: 93.5 mas/yr Proper Motion Dec: -14.6 mas/yr Parallax: 0.01799" Epoch of Position: 2015	V=13.686	Reference Frame: ICRS

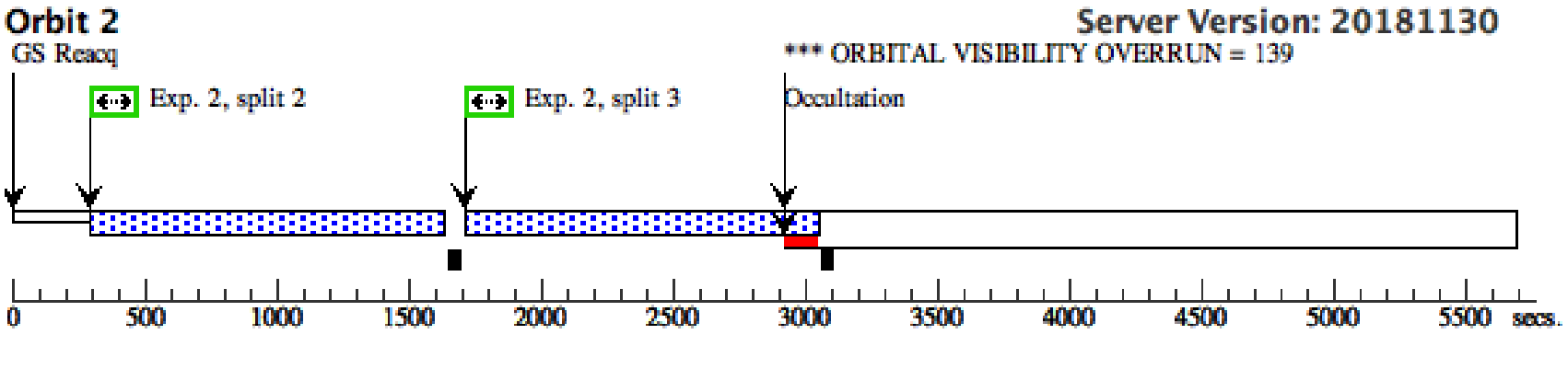
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

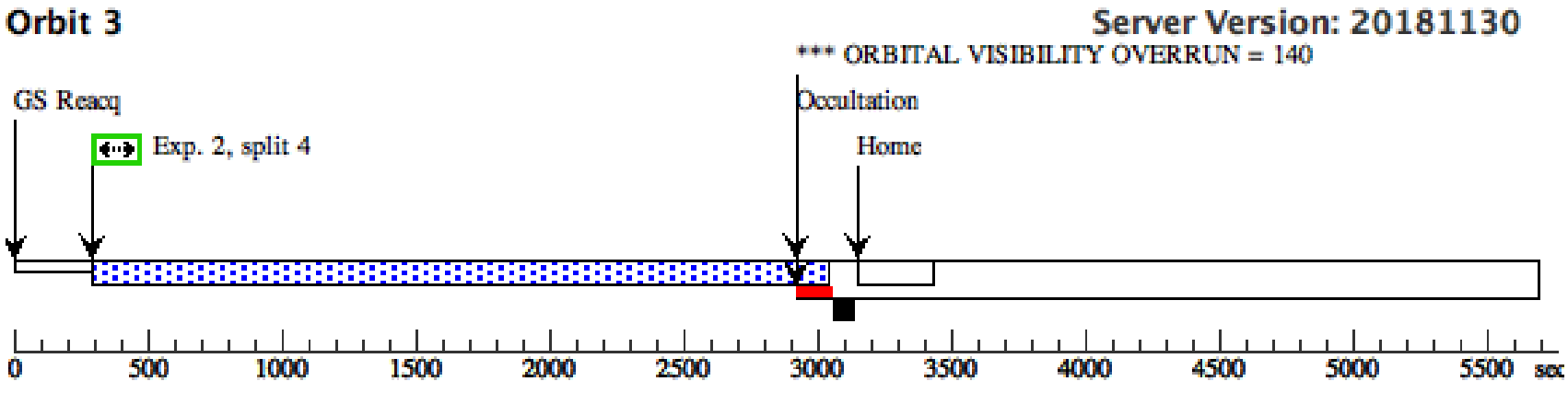
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LP5-282-ACQ/IMAGE (COS.ta.1047562)	(32) LP5-282	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.0 Secs (22 Secs) *[==>]*	 ***[1]***
2	LP5-282, G130M (COS.sp.824164)	(32) LP5-282	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3			2231 Secs (7570 Secs) *[==>2293.0 Secs (Split 1)]* *[==>1292.0 Secs (Split 2)]* *[==>1284.0 Secs (Split 3)]* *[==>2701.0 Secs (Split 4)]*	 ***[1]*** ***[2]*** ***[3]***

Orbit Structure







Visit

Proposal 14784, TYC1265-1118-1-V1 (27), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(TYC1265-1118-1-V1 (27)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(TYC1265-1118-1-V1 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(TYC1265-1118-1-V1 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(TYC1265-1118-1-V1 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(TYC1265-1118-1-V1 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(TYC1265-1118-1-V1 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

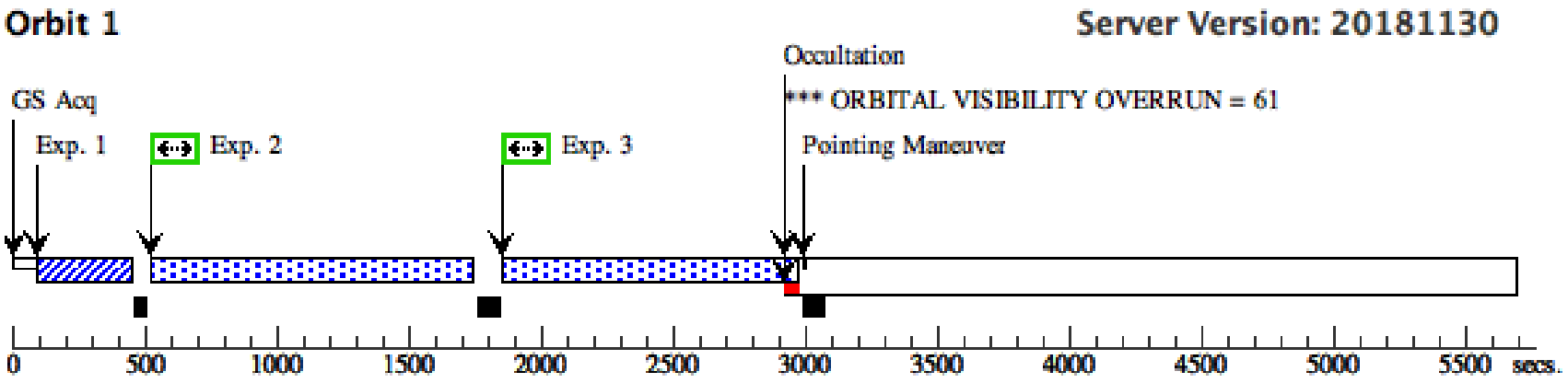
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(20)	TYC1265-1118-1	RA: 04 26 4.8114 (66.5200475d) Dec: +15 02 28.65 (15.04129d) Equinox: J2000	Proper Motion RA: 101.535 mas/yr Proper Motion Dec: -22.618 mas/yr Parallax: 0.02099" Epoch of Position: 2015	V=12.24	Reference Frame: ICRS

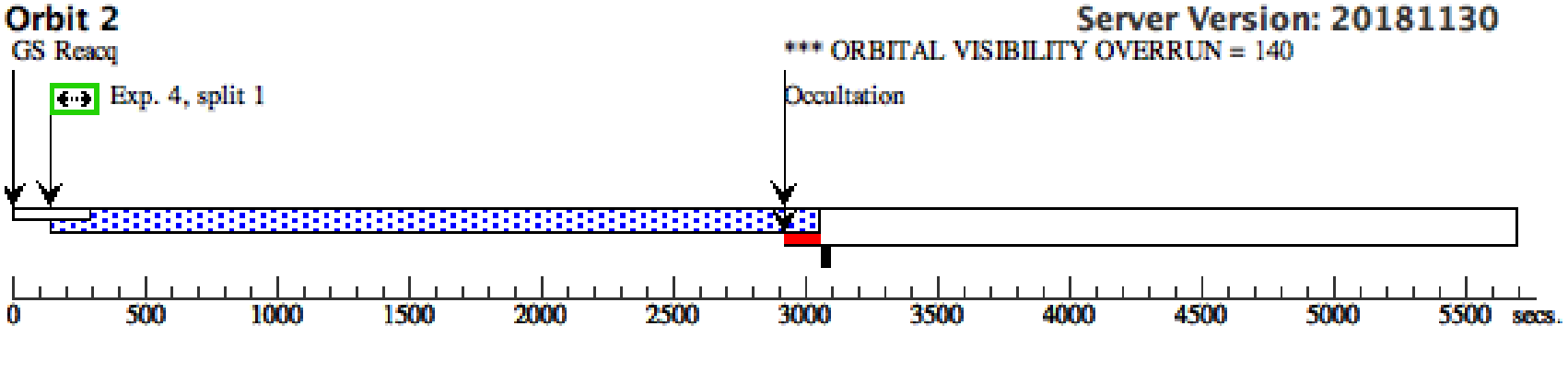
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

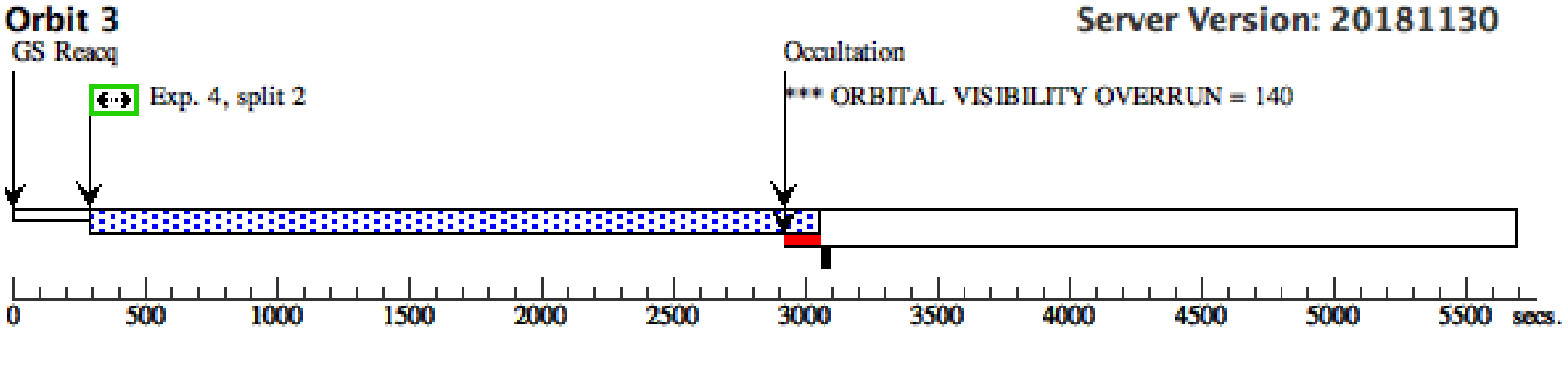
Exposures

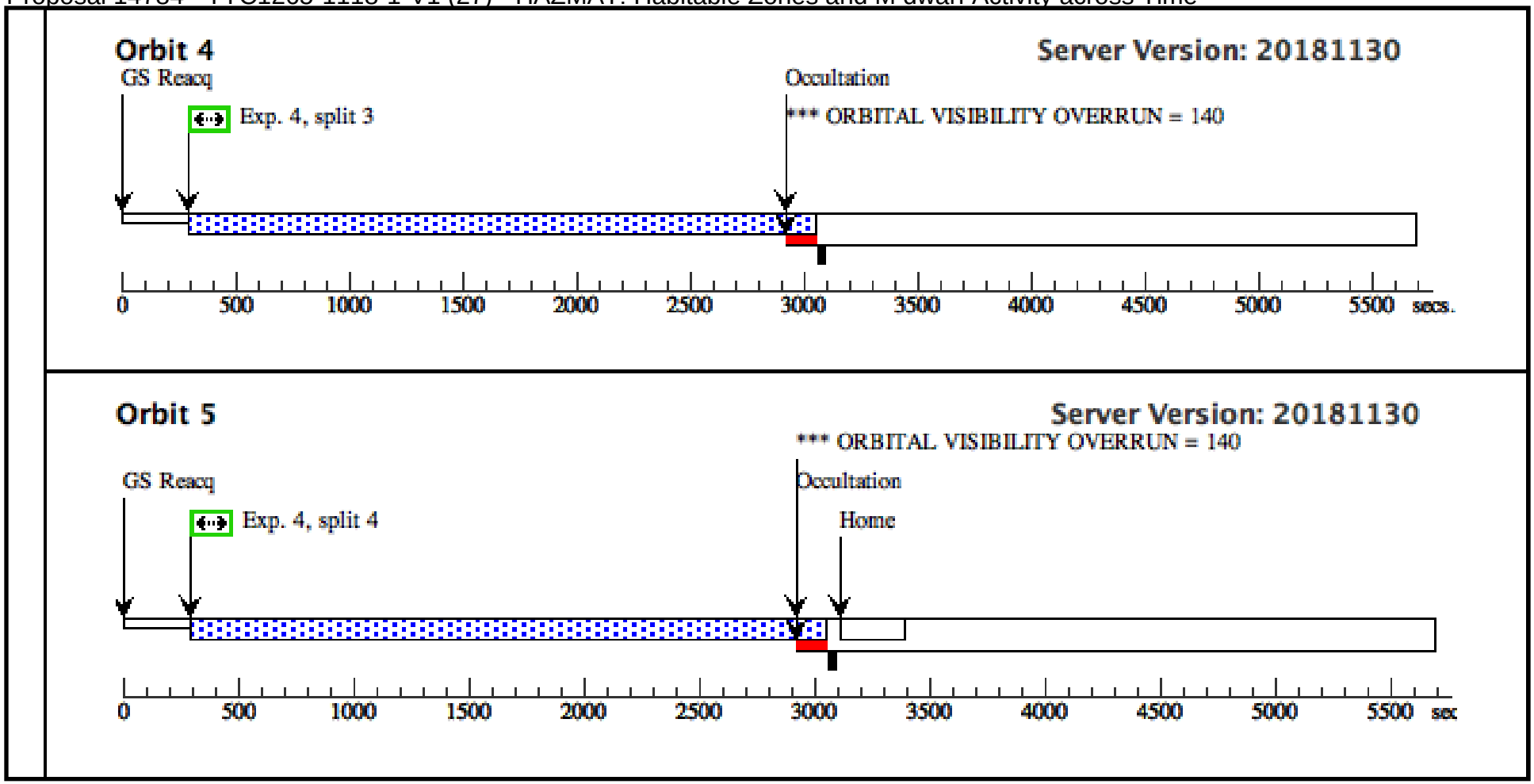
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	TYC1265-1118-1-ACQ/IMAGE (COS.ta.1047567)	(20) TYC1265-1118-1	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				31 Secs (31 Secs) *[==>]*	 ***[1]***
2	TYC1265-1118-1, G230L (COS.sp.824146)	(20) TYC1265-1118-1	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			1123 Secs (1115.5 Secs) *[==>1115.5 Secs]*	 ***[1]***
3	TYC1265-1118-1, G230L (COS.sp.824146)	(20) TYC1265-1118-1	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			1123 Secs (1101.5 Secs) *[==>1101.5 Secs]*	 ***[1]***
4	TYC1265-1118-1, G160M (COS.sp.824161)	(20) TYC1265-1118-1	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			3489 Secs (10810 Secs) *[==>2701.0 Secs (Split 1)]* *[==>2703.0 Secs (Split 2)]* *[==>2703.0 Secs (Split 3)]* *[==>2703.0 Secs (Split 4)]*	 ***[2]*** ***[3]*** ***[4]*** ***[5]***

Orbit Structure








Orbit 4
Server Version: 20181130
GS Reacq
Exp. 4, split 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Orbit 5
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 4, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, TYC1265-1118-1-V2 (28), completed Mon Feb 04 16:01:23 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%; AFTER 27 BY 6 Orbits TO 4 D

Diagnostics

(TYC1265-1118-1-V2 (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(TYC1265-1118-1-V2 (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(TYC1265-1118-1-V2 (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(TYC1265-1118-1-V2 (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

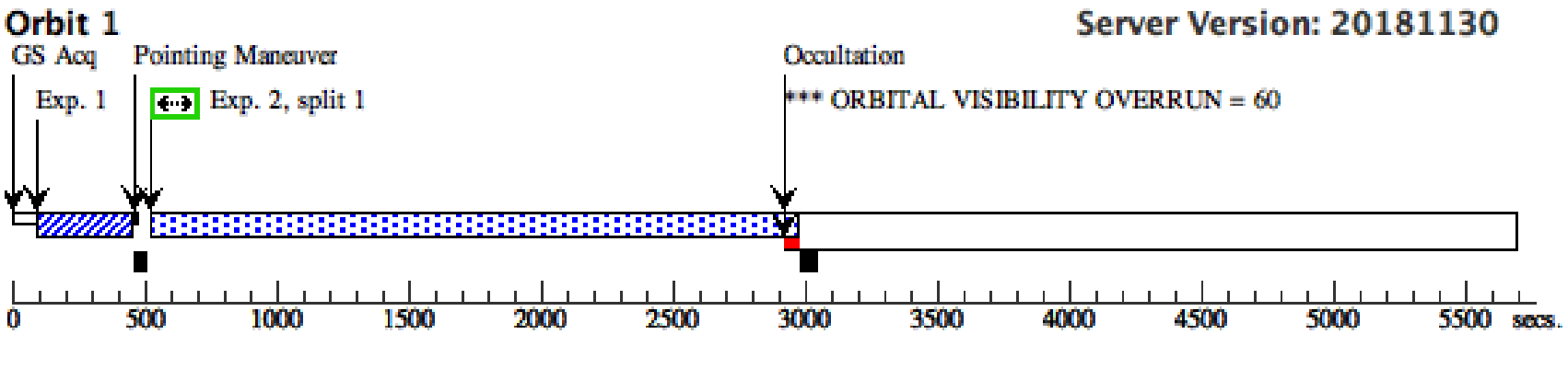
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(20)	TYC1265-1118-1	RA: 04 26 4.8114 (66.5200475d) Dec: +15 02 28.65 (15.04129d) Equinox: J2000	Proper Motion RA: 101.535 mas/yr Proper Motion Dec: -22.618 mas/yr Parallax: 0.02099" Epoch of Position: 2015	V=12.24	Reference Frame: ICRS

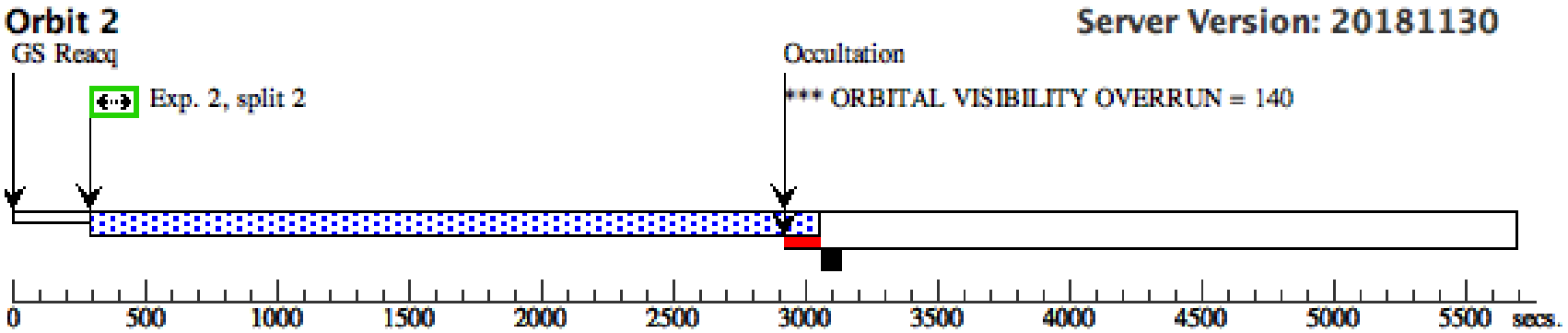
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

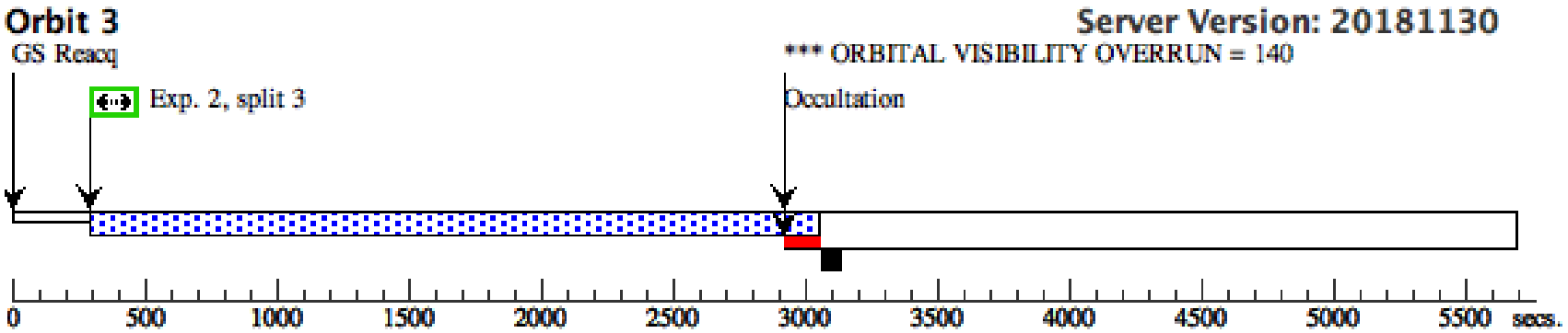
Exposures

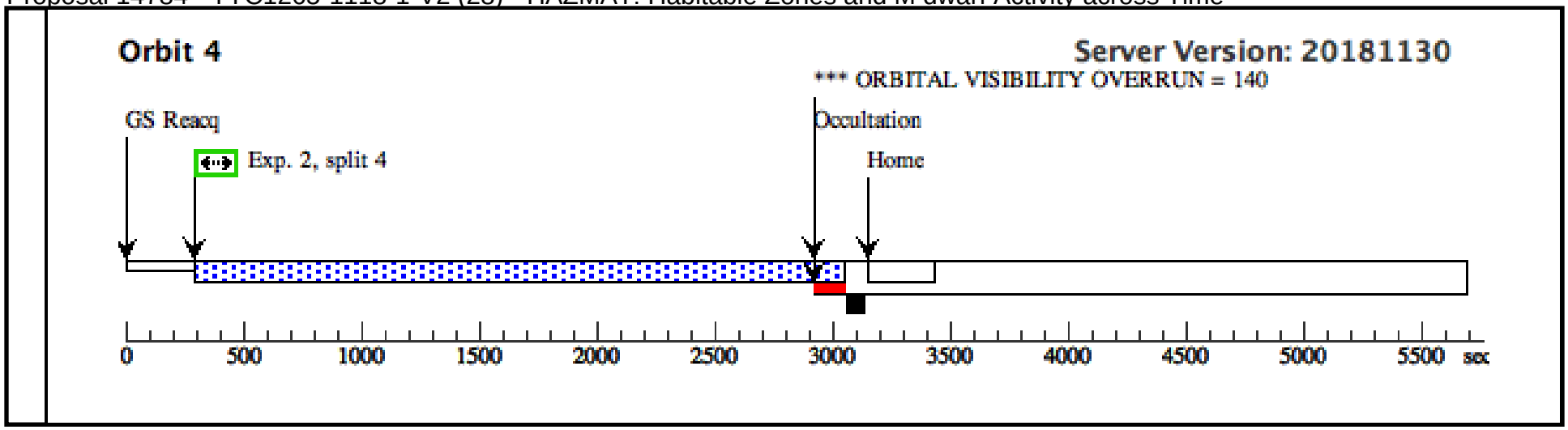
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	TYC1265-1118-1-ACQ/IMAGE (COS.ta.1047567)	(20) TYC1265-1118-1	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				31 Secs (31 Secs)	
								[==>]	***[1]***
	Comments: Target acquistion offset for TYC1265-1118-1								
2	TYC1265-1118-1, G130M (COS.sp.824164)	(20) TYC1265-1118-1	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3			2883 Secs (10386 Secs)	
								[==>2277.0 Secs (Split 1)]	***[1]***
								[==>2703.0 Secs (Split 2)]	***[2]***
								[==>2703.0 Secs (Split 3)]	***[3]***
								[==>2703.0 Secs (Split 4)]	***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 2, split 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, MELOTTE25HAN192-V1 (29), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(MELOTTE25HAN192-V1 (29)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(MELOTTE25HAN192-V1 (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25HAN192-V1 (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25HAN192-V1 (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25HAN192-V1 (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25HAN192-V1 (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

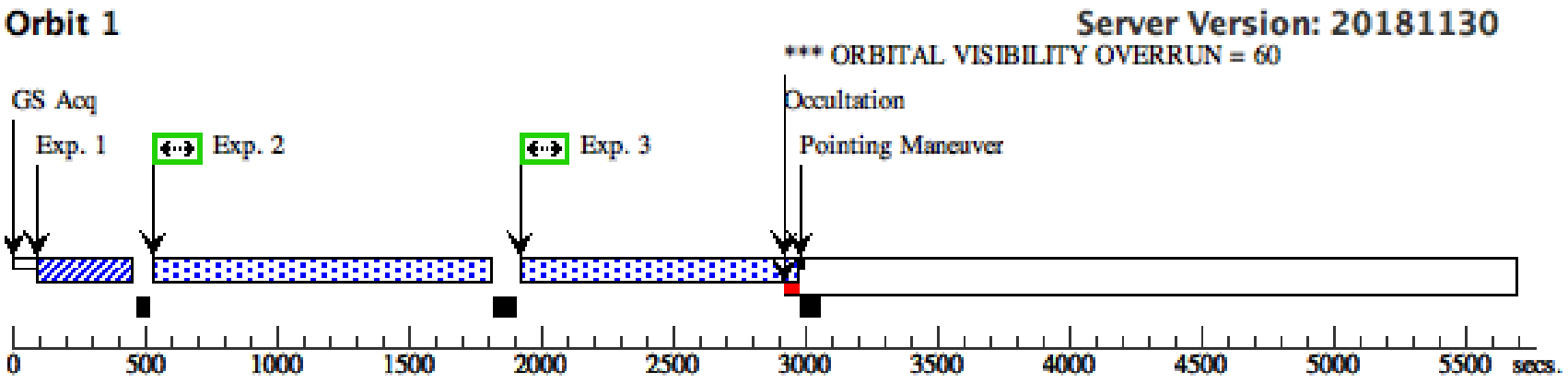
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	MELOTTE25HAN192	RA: 04 18 47.1563 (64.6964846d) Dec: +13 21 58.45 (13.36624d) Equinox: J2000	Proper Motion RA: 115.1 mas/yr Proper Motion Dec: -16.8 mas/yr Parallax: 0.02179" Epoch of Position: 2015	V=11.98	Reference Frame: ICRS

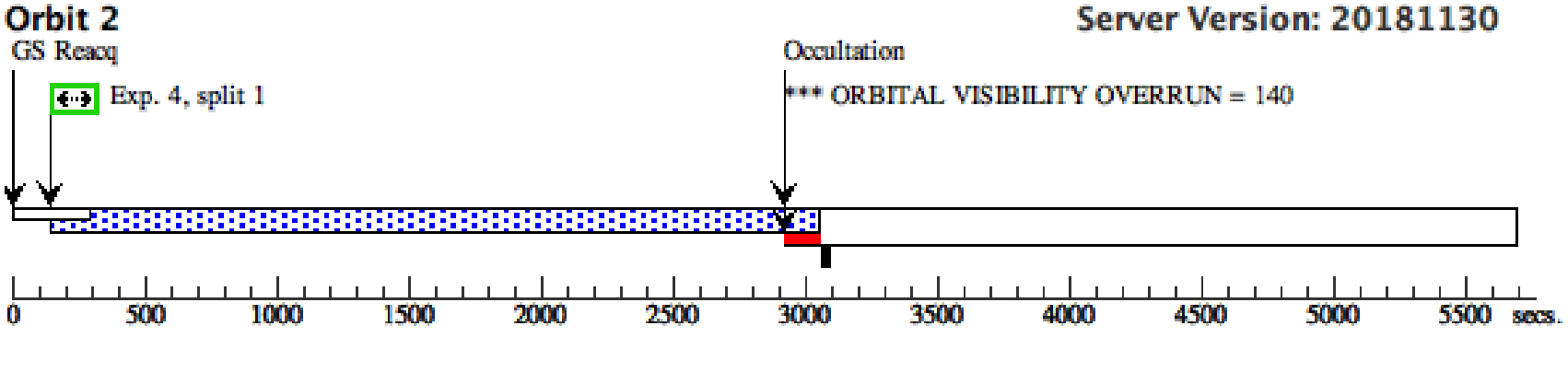
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

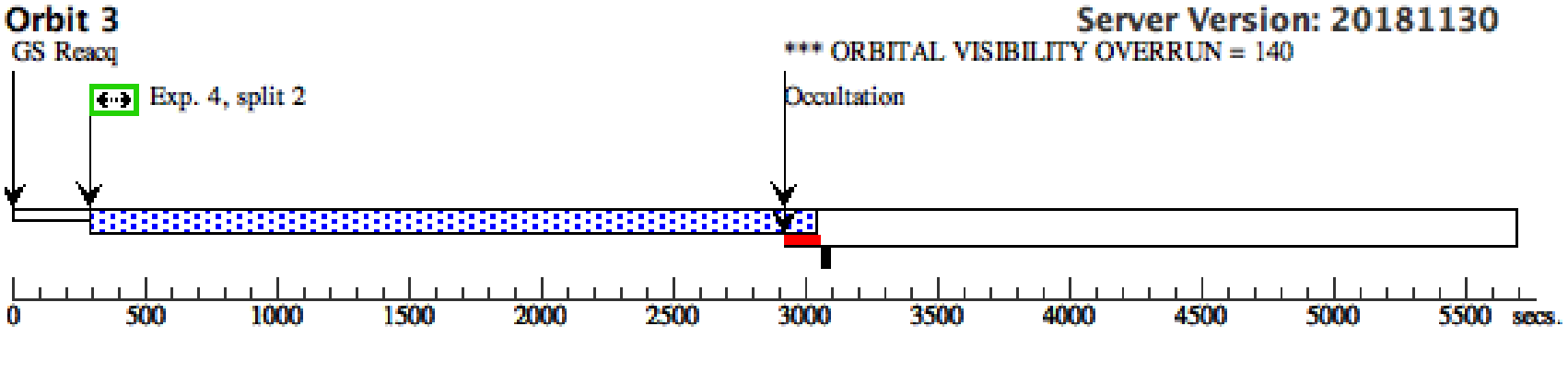
Exposures

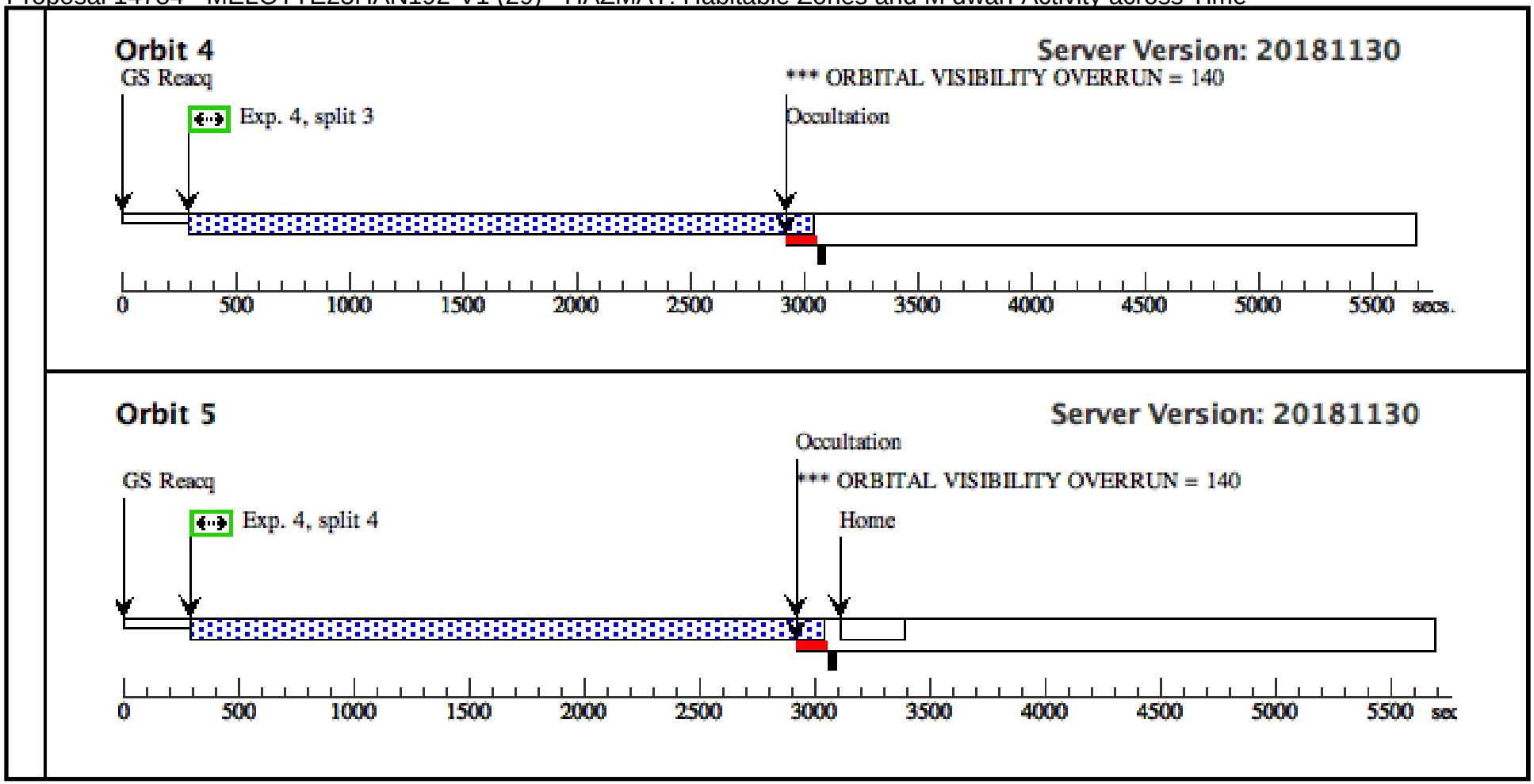
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MELOTTE25HAN192-ACQ/IMAGE (COS.ta.1047569)	(21) MELOTTE25HAN192	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				34.5 Secs (34.5 Secs) *[==>]*	 ***[1]***
2	MELOTTE25HAN192, G230L (COS.sp.824146)	(21) MELOTTE25HAN192	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2	GS ACQ SCENARIO BASE1B3		1080 Secs (1172 Secs) *[==>1172.0 Secs]*	 ***[1]***
3	MELOTTE25HAN192, G230L (COS.sp.824146)	(21) MELOTTE25HAN192	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			1080 Secs (1035 Secs) *[==>1035.0 Secs]*	 ***[1]***
4	MELOTTE25HAN192, G160M (COS.sp.824161)	(21) MELOTTE25HAN192	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FP-POS=ALL; FLASH=YES			2668 Secs (10802 Secs) *[==>2699.0 Secs (Split 1)]* *[==>2701.0 Secs (Split 2)]* *[==>2701.0 Secs (Split 3)]* *[==>2701.0 Secs (Split 4)]*	 ***[2]*** ***[3]*** ***[4]*** ***[5]***

Orbit Structure








Orbit 4
Server Version: 20181130
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 4, split 3
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Orbit 5
Server Version: 20181130
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 140
Exp. 4, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, MELOTTE25HAN192-V2 (30), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%; AFTER 29 BY 6 Orbits TO 4 D

Diagnostics

(MELOTTE25HAN192-V2 (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25HAN192-V2 (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25HAN192-V2 (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25HAN192-V2 (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

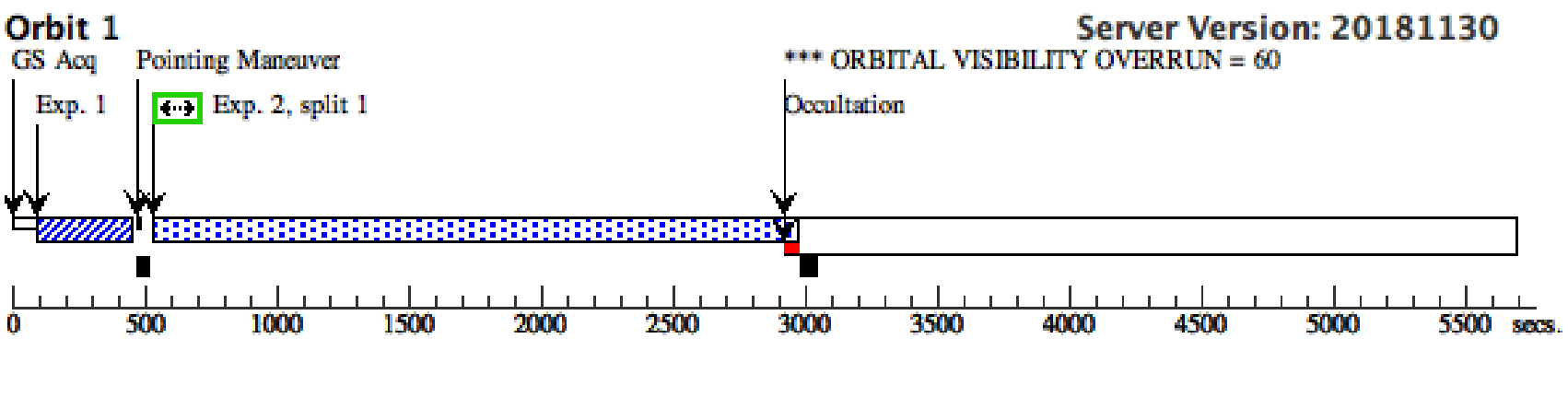
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	MELOTTE25HAN192	RA: 04 18 47.1563 (64.6964846d) Dec: +13 21 58.45 (13.36624d) Equinox: J2000	Proper Motion RA: 115.1 mas/yr Proper Motion Dec: -16.8 mas/yr Parallax: 0.02179" Epoch of Position: 2015	V=11.98	Reference Frame: ICRS

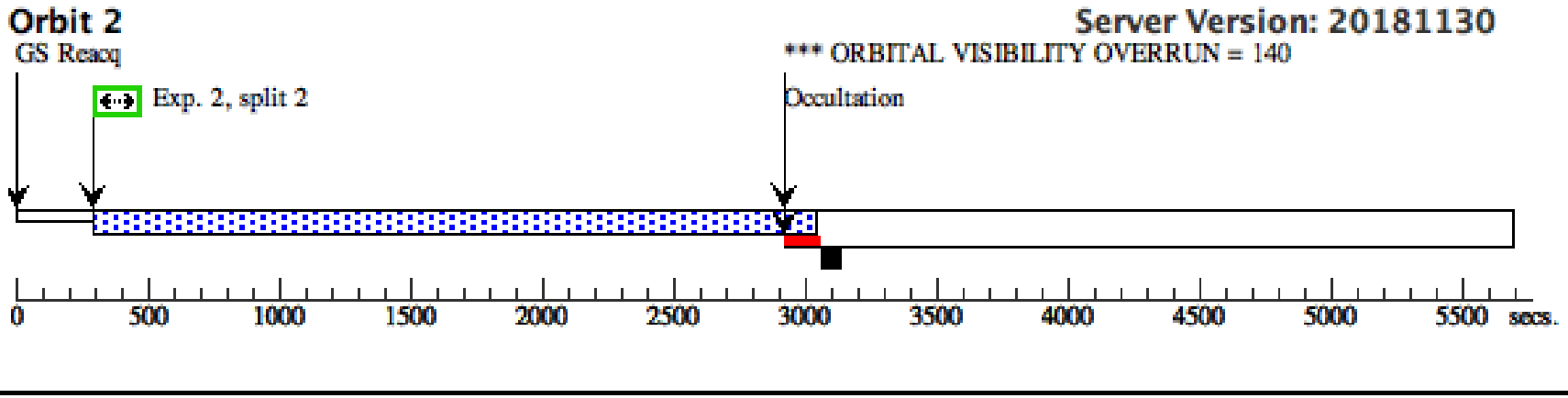
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

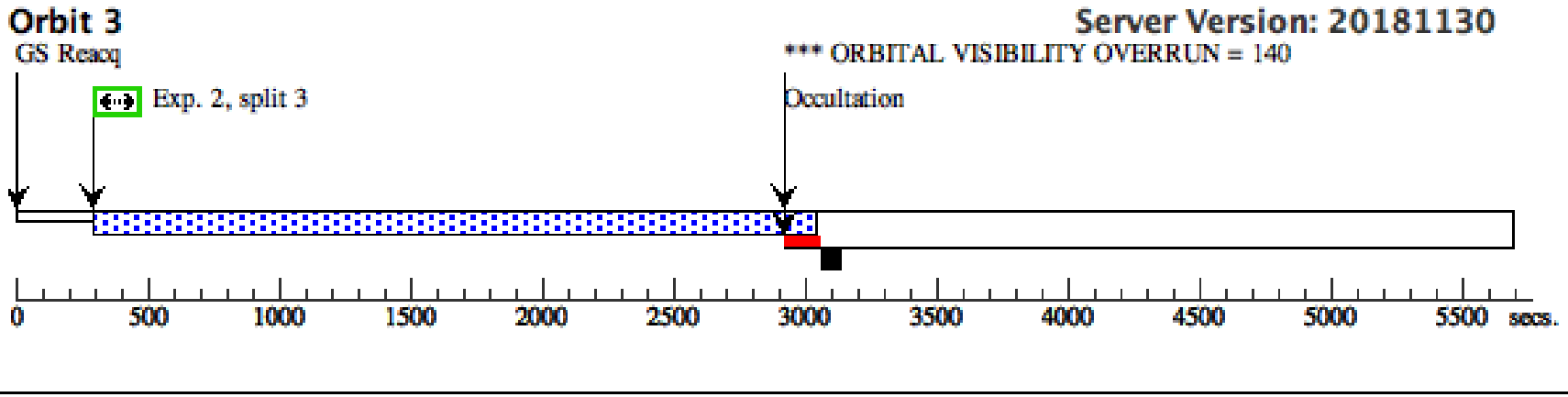
Exposures

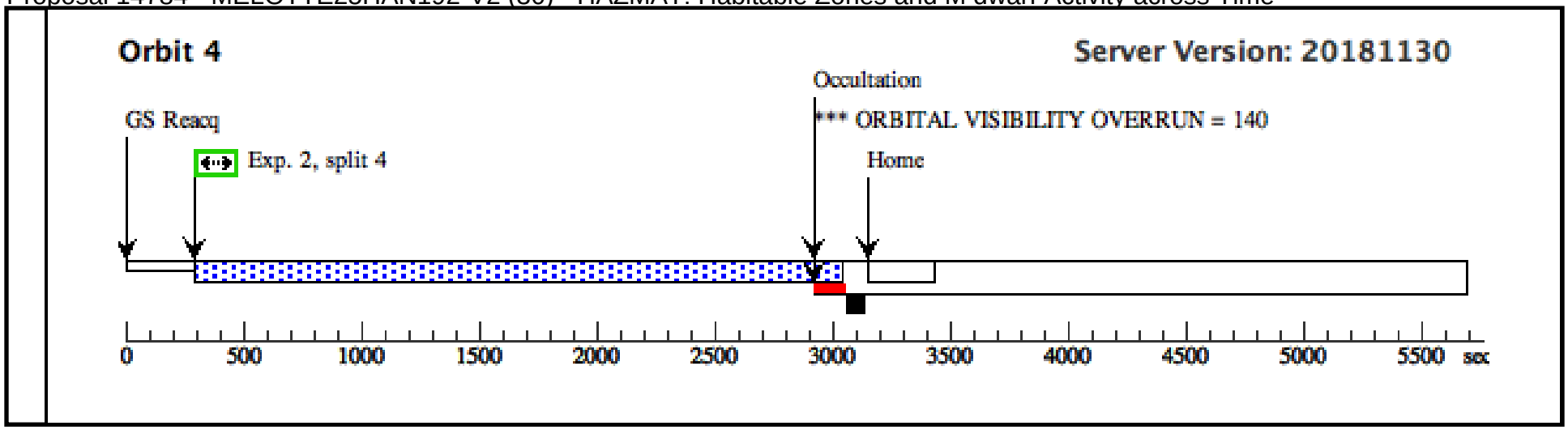
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MELOTTE25HAN192-ACQ/IMAGE (COS.ta.1047569)	(21) MELOTTE25HAN192	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				34.5 Secs (34.5 Secs) *[==>]*	 ***[1]***
2	MELOTTE25HAN192, G130M (COS.sp.824164)	(21) MELOTTE25HAN192	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3	GS ACQ SCENARIO BASE1B3		2204 Secs (10370 Secs) *[==>2267.0 Secs (Split 1)]* *[==>2701.0 Secs (Split 2)]* *[==>2701.0 Secs (Split 3)]* *[==>2701.0 Secs (Split 4)]*	 ***[1]*** ***[2]*** ***[3]*** ***[4]***

Orbit Structure








Orbit 4
Server Version: 20181130
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 2, split 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, MELOTTE25REID176-NUVonly (31), failed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(MELOTTE25REID176-NUVonly (31)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS
(MELOTTE25REID176-NUVonly (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

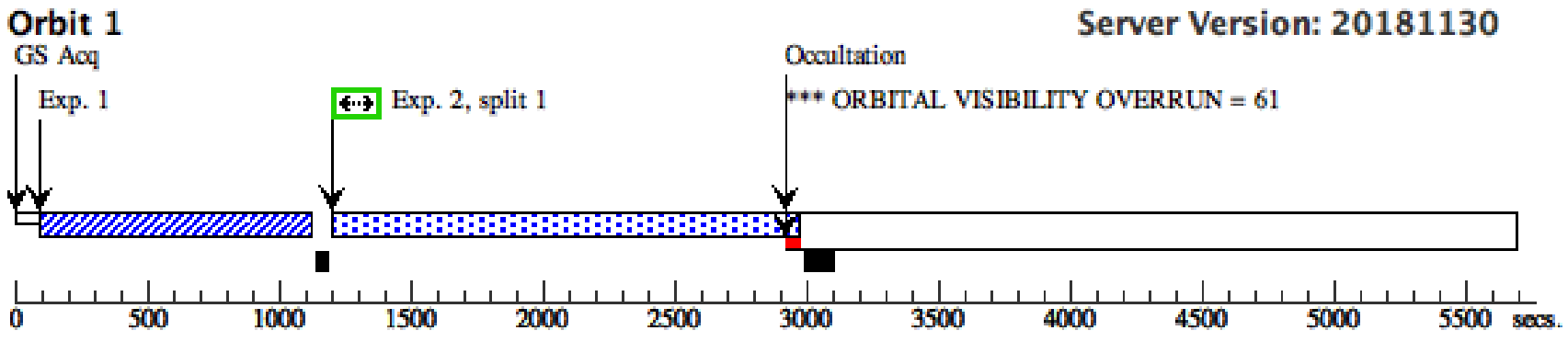
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	MELOTTE25REID176	RA: 04 22 39.6917 (65.6653821d) Dec: +18 16 9.08 (18.26919d) Equinox: J2000	Proper Motion RA: 128.6 mas/yr Proper Motion Dec: -37.1 mas/yr Parallax: 0.02721" Epoch of Position: 2015	V=13.36	Reference Frame: ICRS

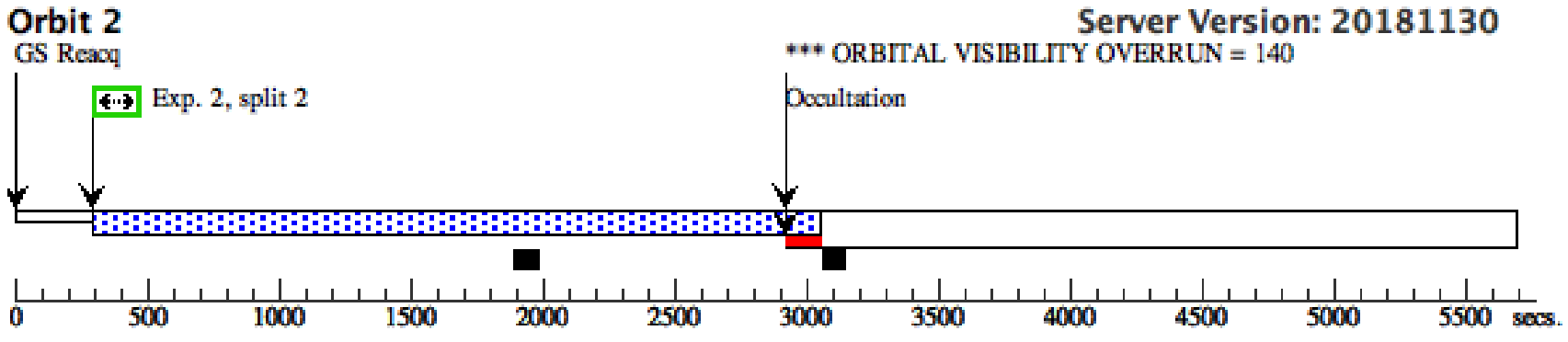
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

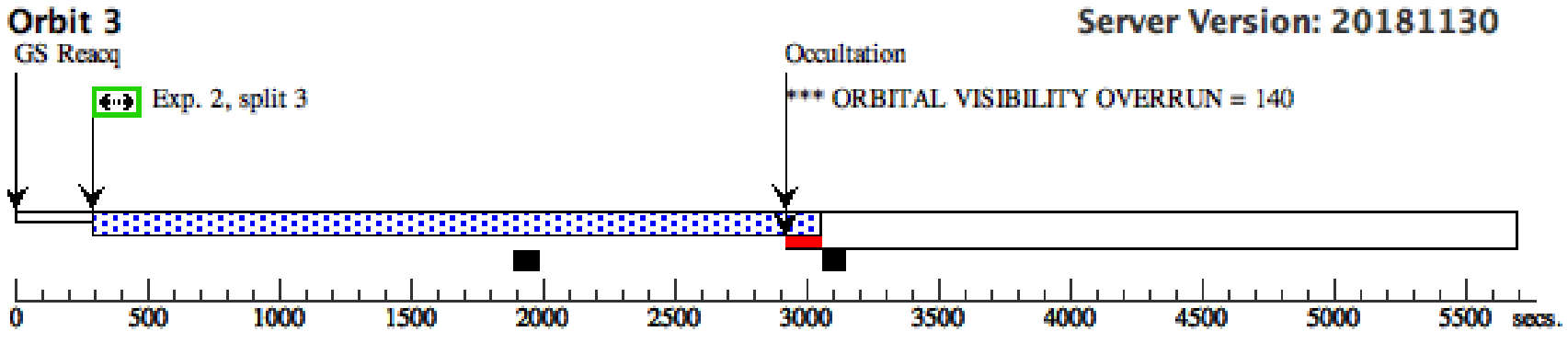
Exposures

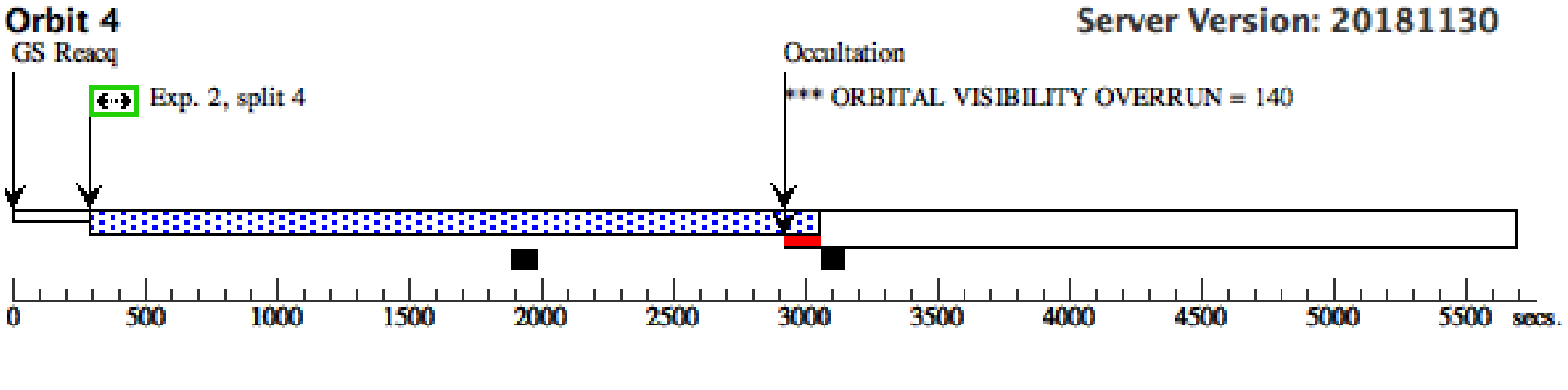
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MELOTTE25REID176-ACQ/IMAGE (COS.ta.1047576)	(19) MELOTTE25REID176	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				370 Secs (370 Secs) *[==>]*	***[1]***
2	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=ALL			2700 Secs (9885 Secs) *[==>1665.0 Secs (Split 1)]* *[==>2740.0 Secs (Split 2)]* *[==>2740.0 Secs (Split 3)]* *[==>2740.0 Secs (Split 4)]*	***[1]*** ***[2]*** ***[3]*** ***[4]***
3	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			2700 Secs (2740 Secs) *[==>2740.0 Secs]*	***[5]***
4	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=4			2700 Secs (2740 Secs) *[==>2740.0 Secs]*	***[6]***

Orbit Structure








Orbit 4
Server Version: 20181130
GS Reacq
Exp. 2, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0
500
1000
1500
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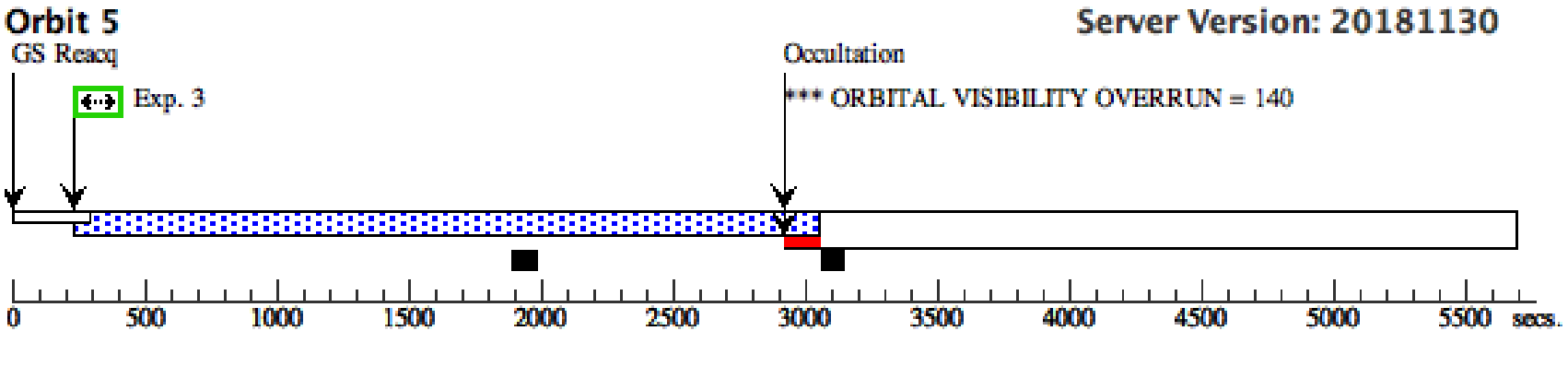
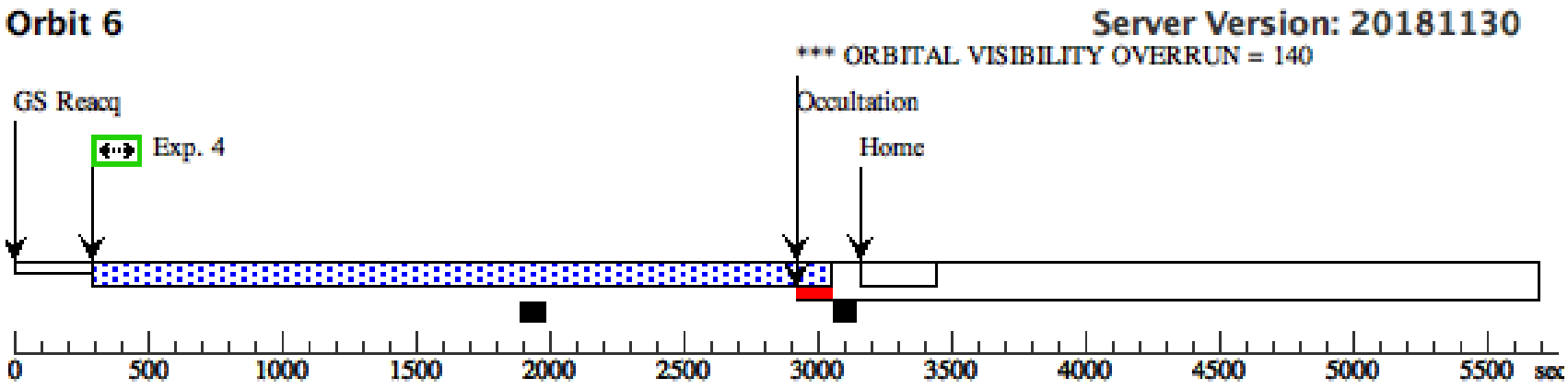
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 5
Server Version: 20181130
GS Reacq
Exp. 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 6
Server Version: 20181130
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Exp. 4
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 14784 - G75-55 (32) - HAZMAT: Habitable Zones and M dwarf Activity across Time

Visit

Proposal 14784, G75-55 (32), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: Replacement for GJ433 (32)

Diagnostics

(G75-55 (32)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(G75-55 (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(G75-55 (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(G75-55 (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

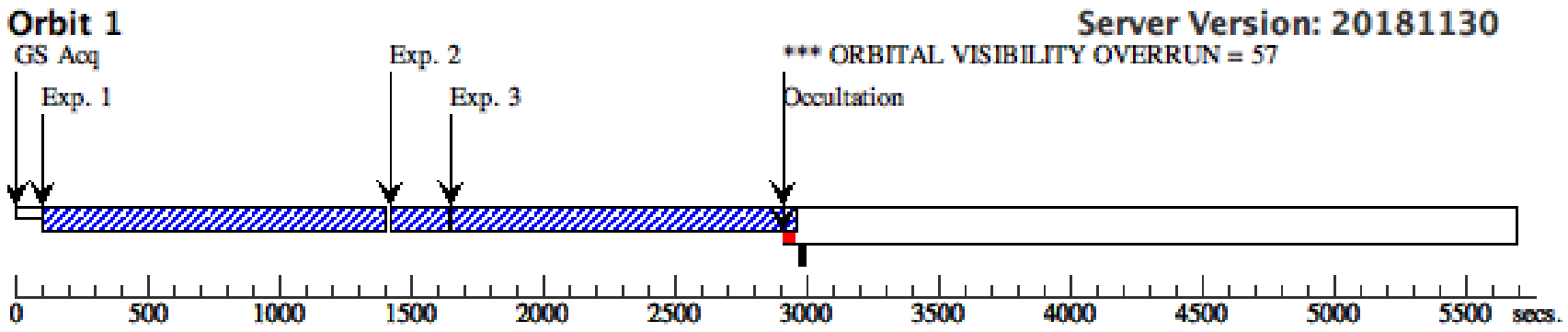
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(29)	G75-55	RA: 02 58 20.0903 (44.5837096d) Dec: -00 59 37.21 (-.99367d) Equinox: J2000	Proper Motion RA: 7.146 mas/yr Proper Motion Dec: -253.367 mas/yr Parallax: 0.04234" Epoch of Position: 2015	V=10.977	Reference Frame: ICRS

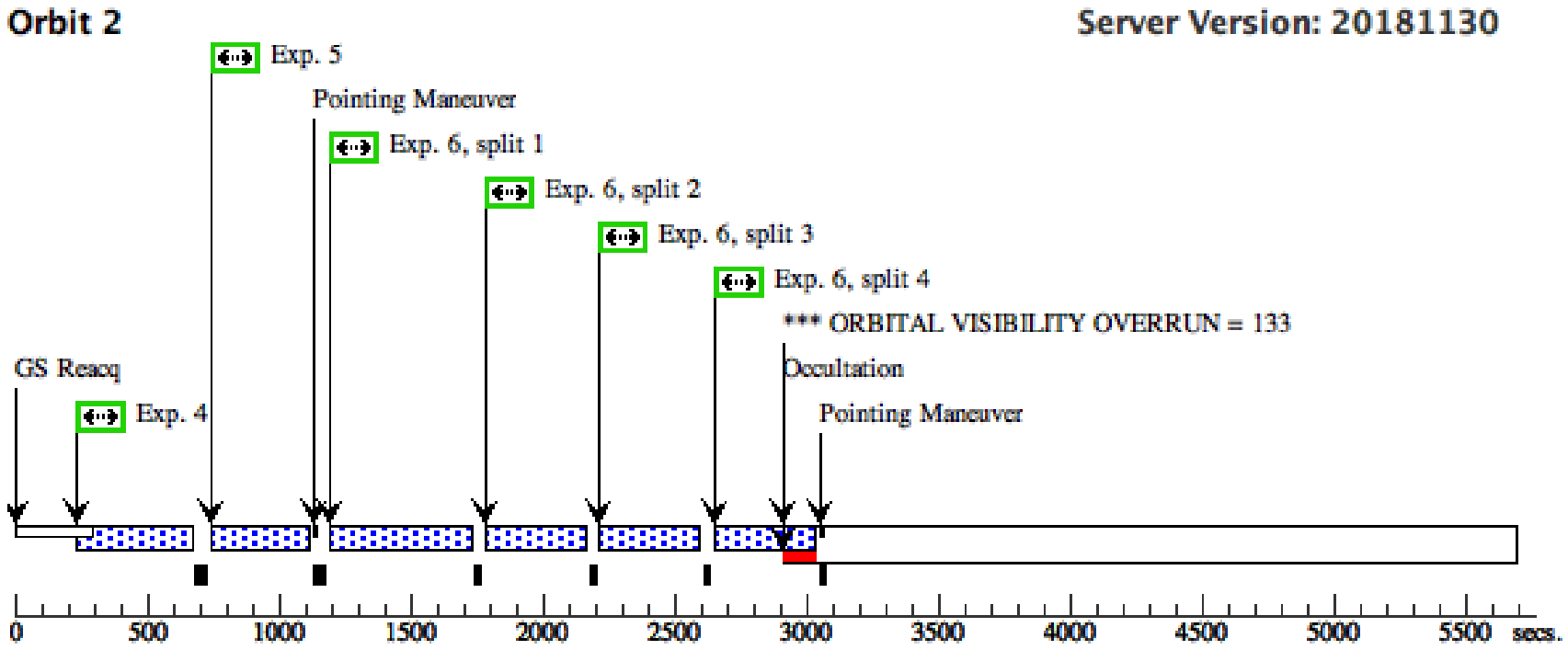
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

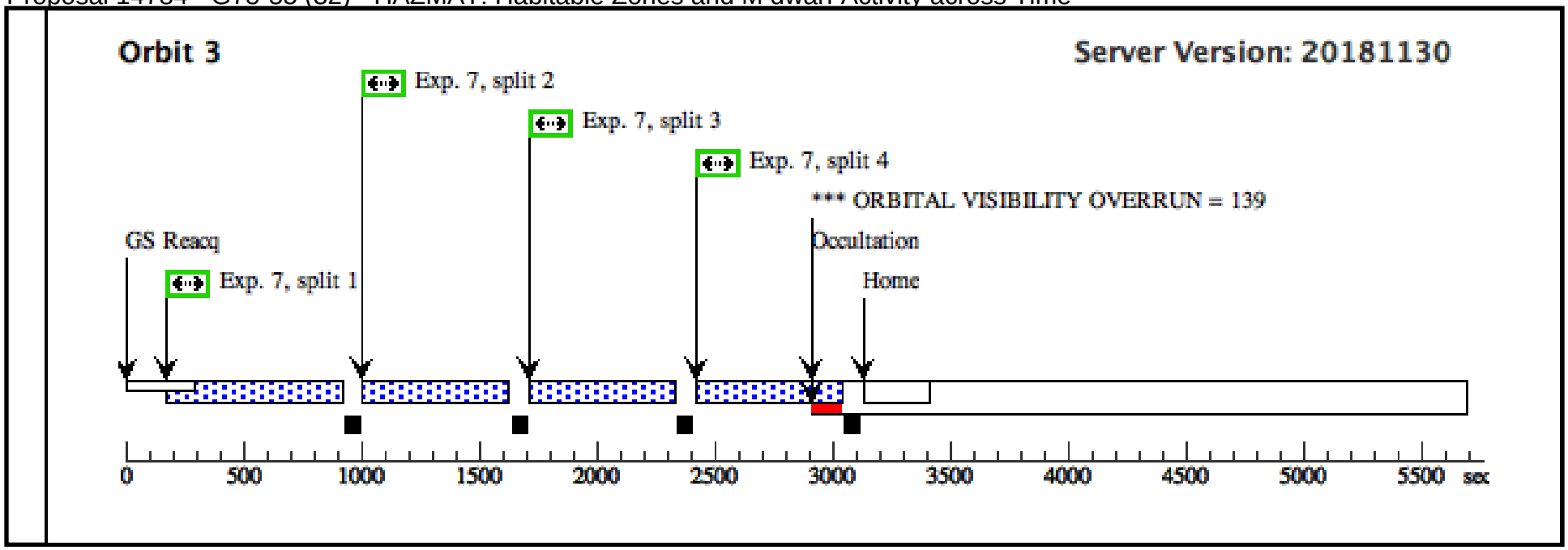
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	G75-55-ACQ/SEARCH (COS.sa.997516)	(29) G75-55	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			232 Secs (232 Secs) *[==>]*	***[1]***
2	G75-55-ACQ/PEAKXD (COS.sa.1003739)	(29) G75-55	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				158 Secs (158 Secs) *[==>]*	***[1]***
3	G75-55-ACQ/PEAKD (COS.sa.997516)	(29) G75-55	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			232 Secs (232 Secs) *[==>]*	***[1]***
4	G75-55-G230L (COS.sp.997474)	(29) G75-55	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			352 Secs (360 Secs) *[==>360.0 Secs]*	***[2]***
5	G75-55-G230L (COS.sp.997474)	(29) G75-55	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			351 Secs (359 Secs) *[==>359.0 Secs]*	***[2]***
6	G75-55-G160M (COS.sp.997488)	(29) G75-55	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			322 Secs (1320 Secs) *[==>330.0 Secs (Split 1)]* *[==>330.0 Secs (Split 2)]* *[==>330.0 Secs (Split 3)]* *[==>330.0 Secs (Split 4)]*	***[2]***
7	G75-55-G130M (COS.sp.997502)	(29) G75-55	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3			565 Secs (2260 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[3]***

Orbit Structure






Orbit 3
Server Version: 20181130
Exp. 7, split 2
Exp. 7, split 3
Exp. 7, split 4
*** ORBITAL VISIBILITY OVERRUN = 139
GS Reacq
Occultation
Exp. 7, split 1
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LTT2050 (33), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: Replacement for GJ514 (33)

Diagnostics

(LTT2050 (33)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(LTT2050 (33)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050 (33)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050 (33)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

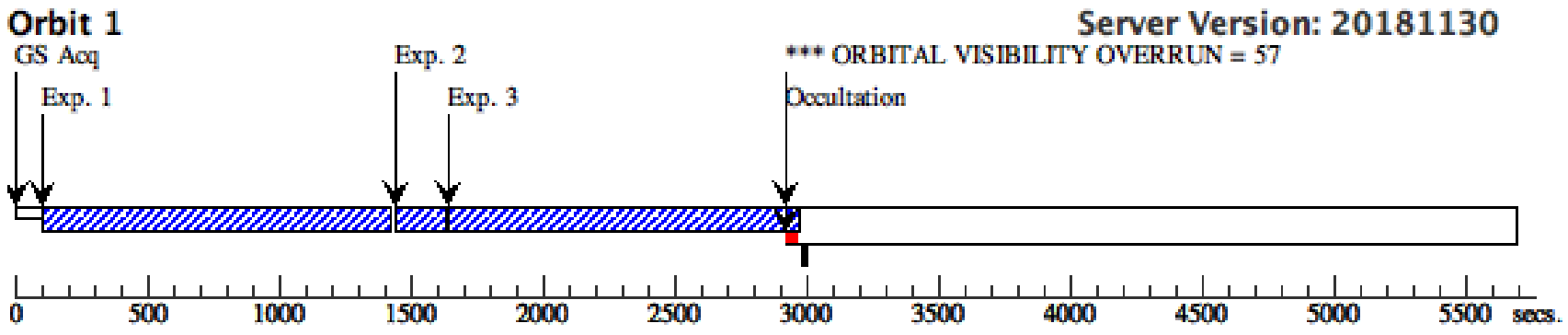
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(30)	LTT2050	RA: 04 37 41.6346 (69.4234775d) Dec: -11 02 22.91 (-11.03970d) Equinox: J2000	Proper Motion RA: -227.013 mas/yr Proper Motion Dec: -196.013 mas/yr Parallax: 0.08946" Epoch of Position: 2015.0	V=10.346	Reference Frame: ICRS

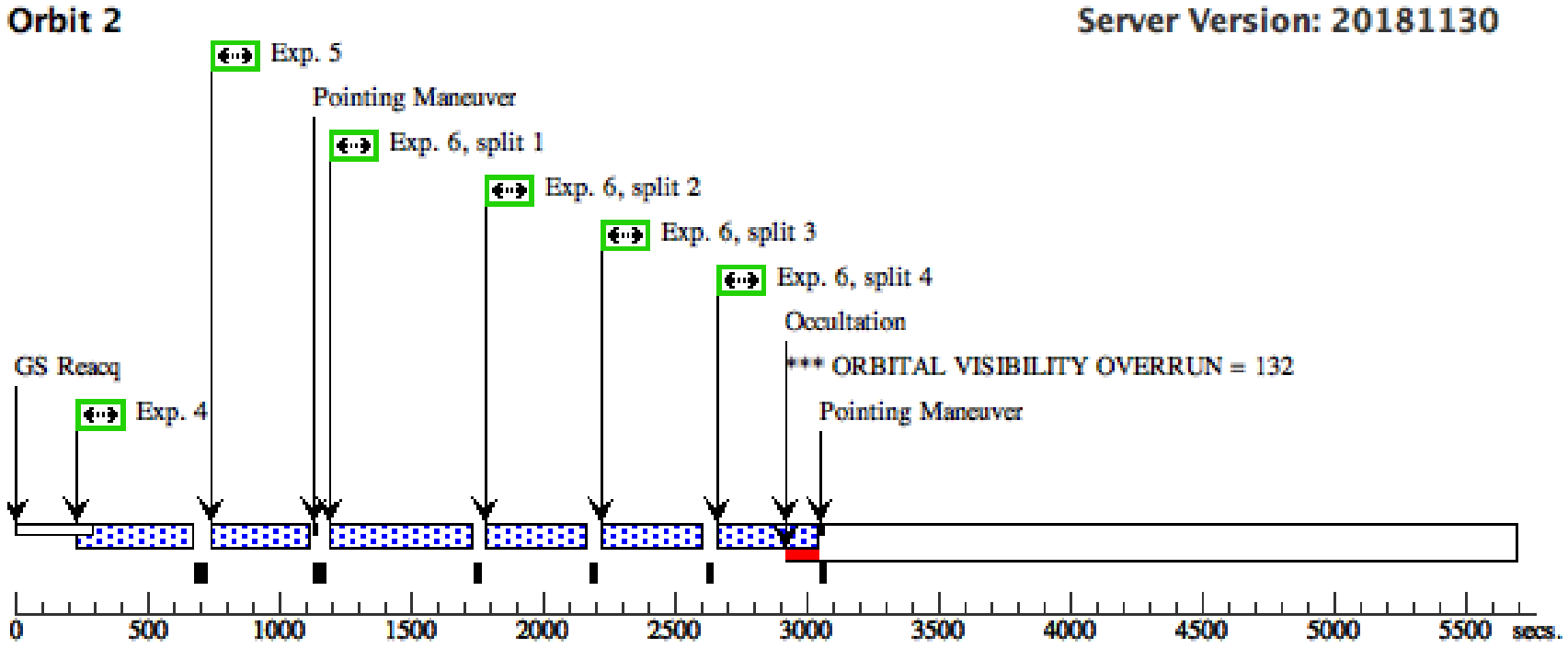
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

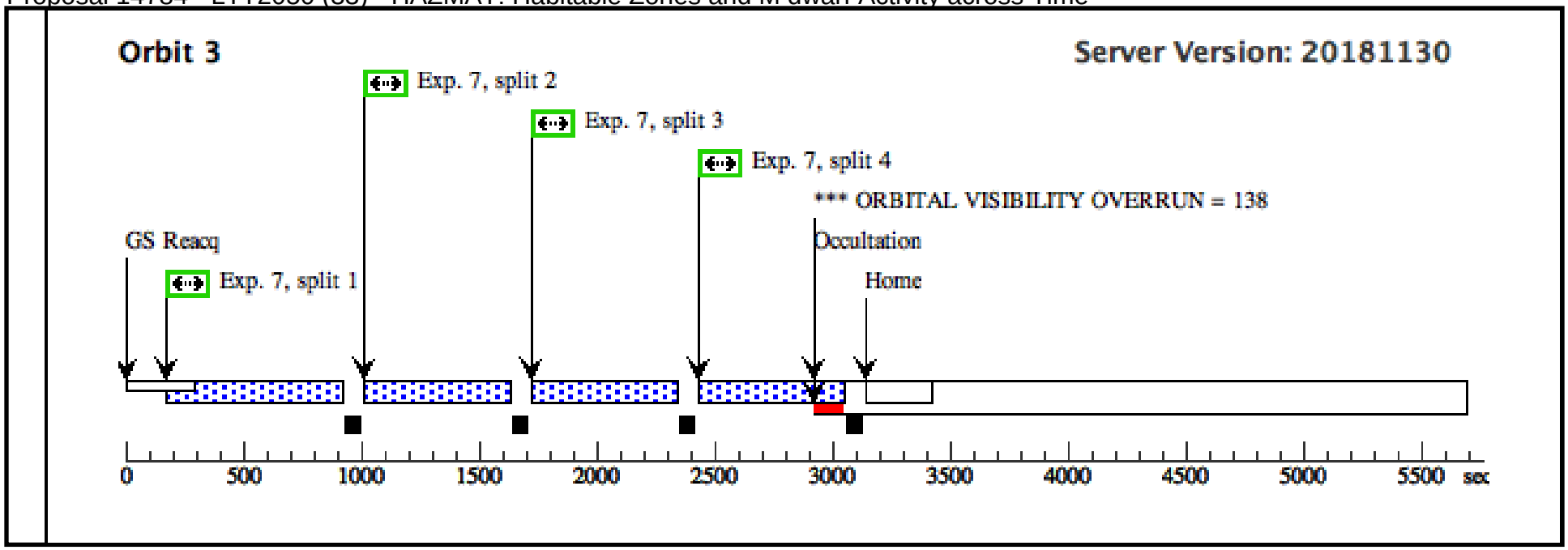
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LTT2050-ACQ/SEARCH (COS.sa.997518)	(30) LTT2050	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			237 Secs (237 Secs) *[==>]*	***[1]***
2	LTT2050-ACQ/PEAKXD (COS.sa.1003743)	(30) LTT2050	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				127 Secs (127 Secs) *[==>]*	***[1]***
3	LTT2050-ACQ/PEAKD (COS.sa.997518)	(30) LTT2050	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			236 Secs (236 Secs) *[==>]*	***[1]***
4	LTT2050-G230L (COS.sp.997476)	(30) LTT2050	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			352 Secs (360 Secs) *[==>360.0 Secs]*	***[2]***
5	LTT2050-G230L (COS.sp.997476)	(30) LTT2050	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			351 Secs (359 Secs) *[==>359.0 Secs]*	***[2]***
6	LTT2050-G160M (COS.sp.997491)	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			324 Secs (1328 Secs) *[==>332.0 Secs (Split 1)]* *[==>332.0 Secs (Split 2)]* *[==>332.0 Secs (Split 3)]* *[==>332.0 Secs (Split 4)]*	***[2]***
7	LTT2050-G130M (COS.sp.997504)	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL; LIFETIME-POS=LP3			567 Secs (2268 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[3]***

Orbit Structure






Orbit 3
Server Version: 20181130
Exp. 7, split 2
Exp. 7, split 3
Exp. 7, split 4
*** ORBITAL VISIBILITY OVERRUN = 138
GS Reacq
Occultation
Exp. 7, split 1
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, GJ3997 (34), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Error

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: Replacement for GJ809 (34)

Diagnostics

(GJ3997-G130M (34.007)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.

(GJ3997 (34)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(GJ3997 (34)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3997 (34)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3997 (34)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ3997-G130M (34.007)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.

Fixed Targets

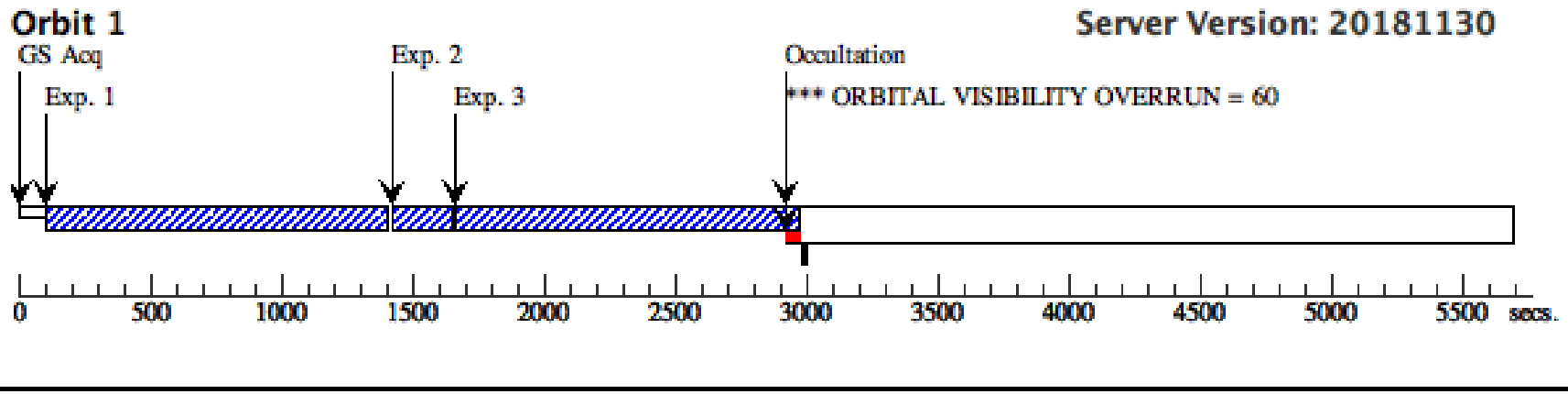
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(31)	GJ3997	RA: 17 15 49.9571 (258.9581546d)	Proper Motion RA: -149.235 mas/yr	V=10.370	Reference Frame: ICRS
		Dec: +19 00 0.29 (19.00008d)	Proper Motion Dec: 14.314 mas/yr		
		Equinox: J2000	Epoch of Position: 2015		

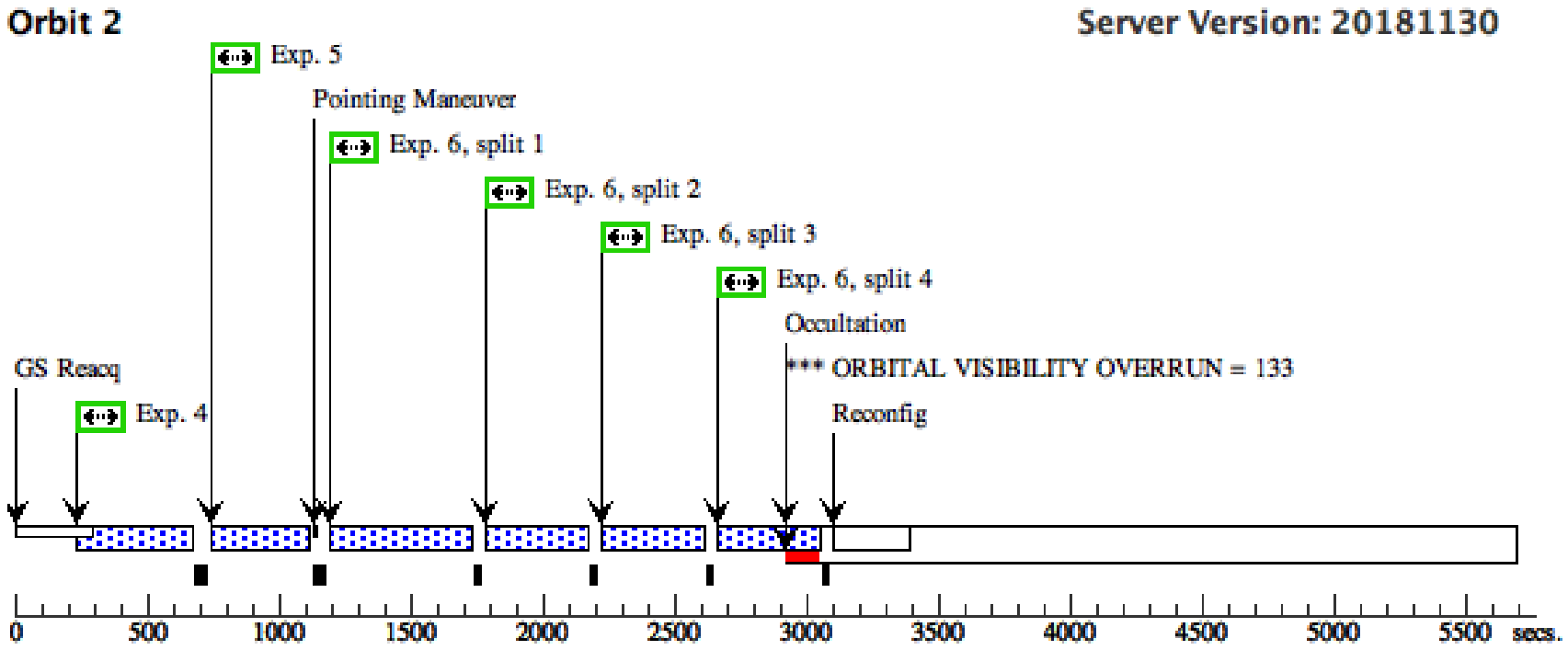
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

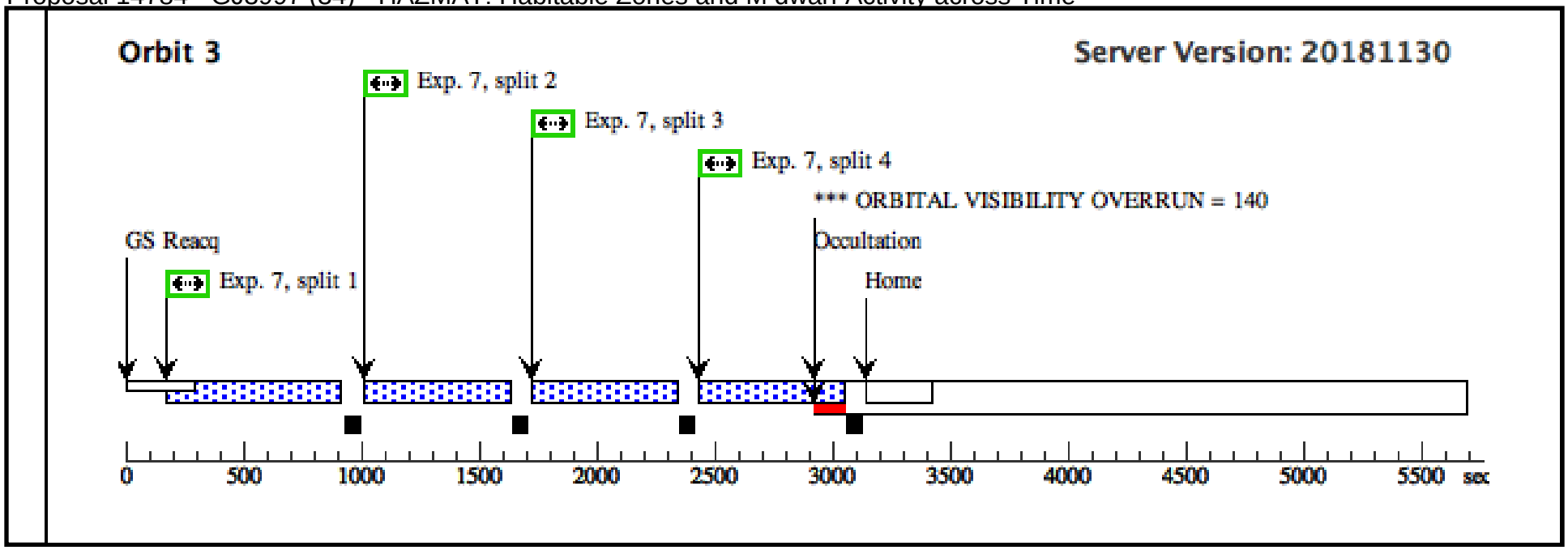
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	GJ3997-ACQ/SEARCH (COS.sa.997524)	(31) GJ3997	COS/NUV, ACQ/SEARCH, PSA	G230L 2950 A	CENTER=DEF; SCAN-SIZE=2; STEP-SIZE=1.767			232 Secs (232 Secs) *[==>]*	***[1]***
2	GJ3997-ACQ/PEAKXD (COS.sa.1003606)	(31) GJ3997	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				171.5 Secs (171.5 Secs) *[==>]*	***[1]***
3	GJ3997-ACQ/PEAKD (COS.sa.997524)	(31) GJ3997	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	CENTER=DEF; NUM-POS=5; STEP-SIZE=0.9			232 Secs (232 Secs) *[==>]*	***[1]***
4	GJ3997-G230L (COS.sp.997482)	(31) GJ3997	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			351 Secs (359 Secs) *[==>359.0 Secs]*	***[2]***
5	GJ3997-G230L (COS.sp.997482)	(31) GJ3997	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			351 Secs (359 Secs) *[==>359.0 Secs]*	***[2]***
6	GJ3997-G160M (COS.sp.997497)	(31) GJ3997	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			325 Secs (1332 Secs) *[==>333.0 Secs (Split 1)]* *[==>333.0 Secs (Split 2)]* *[==>333.0 Secs (Split 3)]* *[==>333.0 Secs (Split 4)]*	***[2]***
7	GJ3997-G130M (COS.sp.997510)	(31) GJ3997	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1038; FLASH=YES; FP-POS=ALL			568 Secs (2272 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[3]***

Orbit Structure






Orbit 3
Server Version: 20181130
Exp. 7, split 2
Exp. 7, split 3
Exp. 7, split 4
*** ORBITAL VISIBILITY OVERRUN = 140
GS Reacq
Occultation
Exp. 7, split 1
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 14784 - GJ75-55-TTRB (55) - HAZMAT: Habitable Zones and M dwarf Activity across Time

Visit

Proposal 14784, GJ75-55-TTRB (55), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: TTRB allocated orbits.

Diagnostics

(GJ75-55-TTRB (55)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(GJ75-55-TTRB (55)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(GJ75-55-TTRB (55)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(GJ75-55-TTRB (55)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ75-55-TTRB (55)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ75-55-TTRB (55)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(GJ75-55-TTRB (55)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(G75-55-G130M (55.002)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(G75-55-G130M (55.003)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(G75-55-G130M (55.004)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(G75-55-G160M (55.005)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(G75-55-G160M (55.006)) Warning (Form): Sensitive exposures should have an ETC run number provided.

Fixed Targets

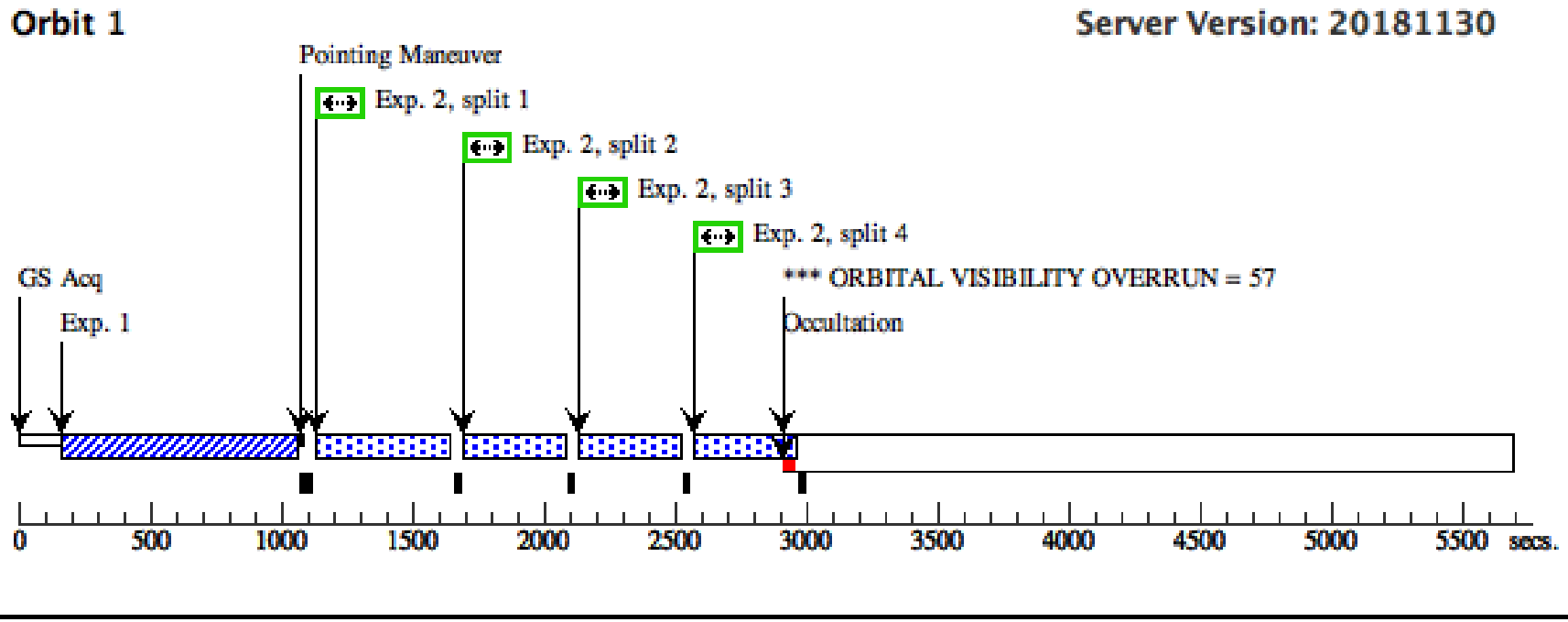
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(29)	G75-55	RA: 02 58 20.0903 (44.5837096d) Dec: -00 59 37.21 (-.99367d) Equinox: J2000	Proper Motion RA: 7.146 mas/yr Proper Motion Dec: -253.367 mas/yr Parallax: 0.04234" Epoch of Position: 2015	V=10.977	Reference Frame: ICRS

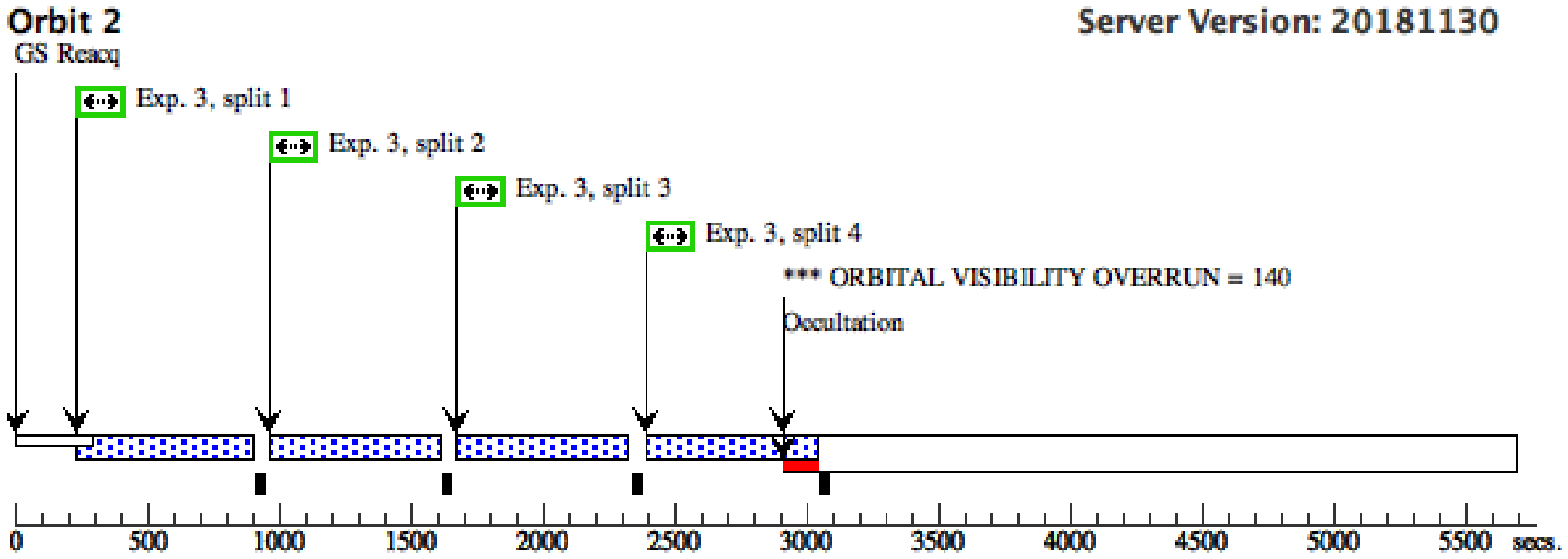
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

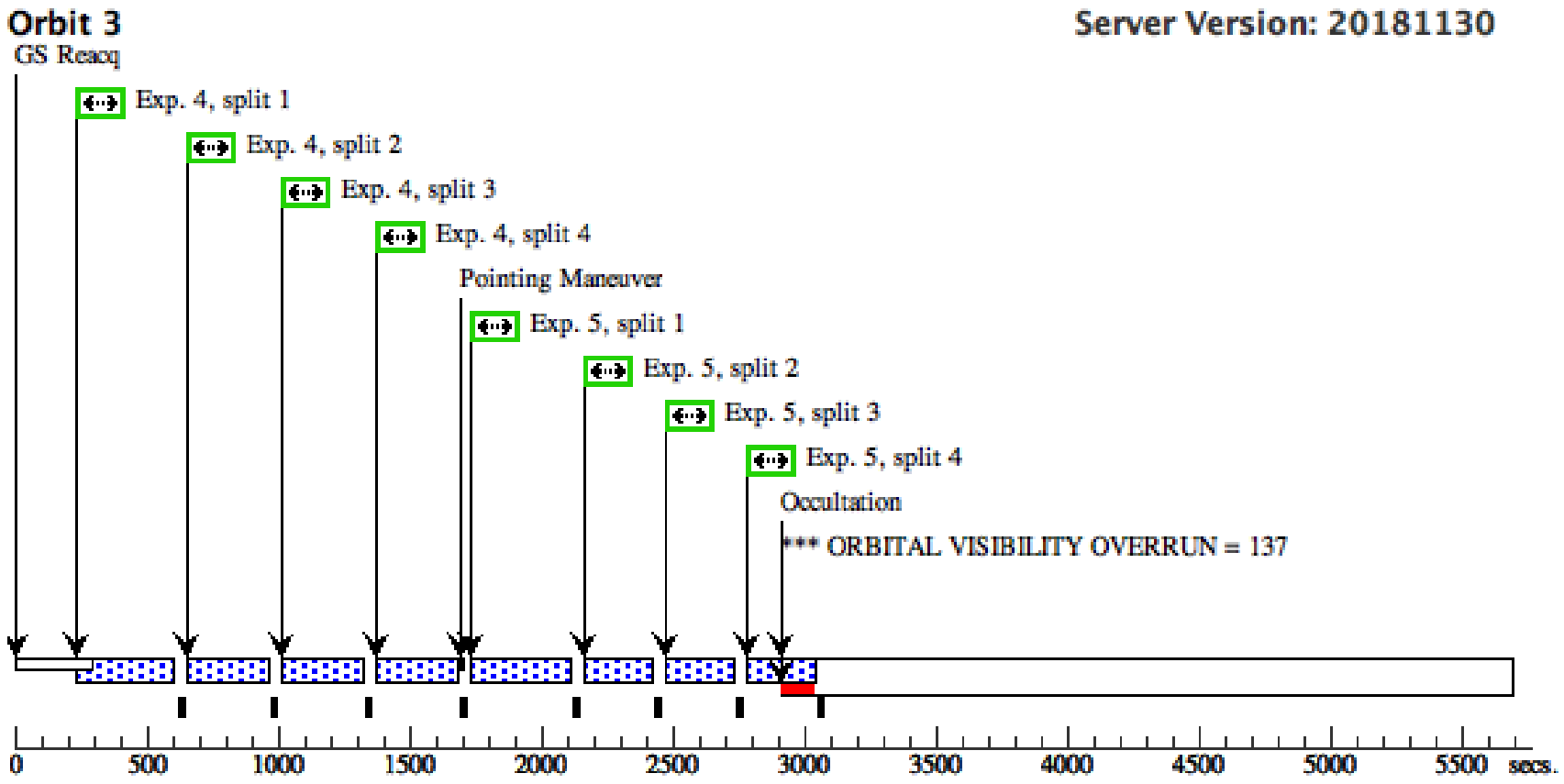
Exposures

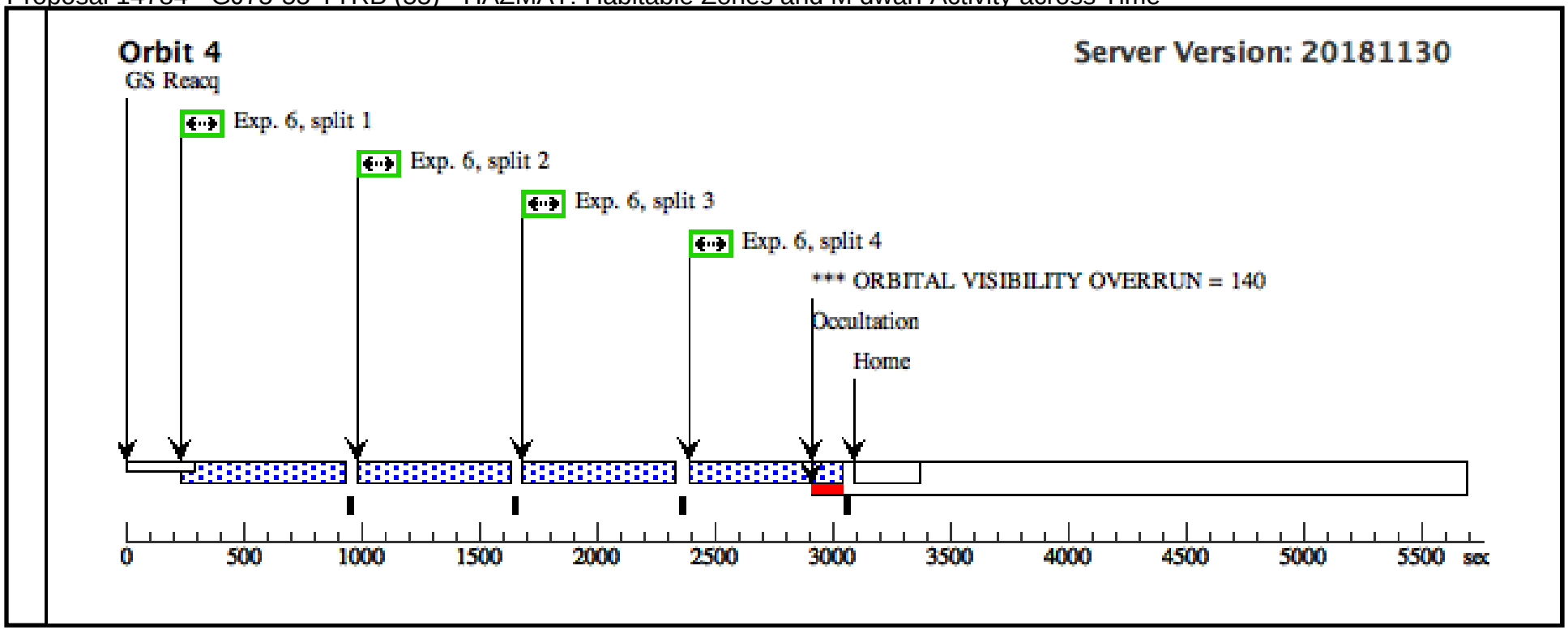
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	G75-55-ACQ/IMAGE (COS.ta.1047585)	(29) G75-55	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				336 Secs (336 Secs) *[==>]*	***[1]***
2	G75-55-G130M	(29) G75-55	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			300 Secs (1332 Secs) *[==>333.0 Secs (Split 1)]* *[==>333.0 Secs (Split 2)]* *[==>333.0 Secs (Split 3)]* *[==>333.0 Secs (Split 4)]*	***[1]***
3	G75-55-G130M	(29) G75-55	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			600 Secs (2347 Secs) *[==>547.0 Secs (Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[2]***
4	G75-55-G130M	(29) G75-55	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			250 Secs (1016 Secs) *[==>254.0 Secs (Split 1)]* *[==>254.0 Secs (Split 2)]* *[==>254.0 Secs (Split 3)]* *[==>254.0 Secs (Split 4)]*	***[3]***
5	G75-55-G160M	(29) G75-55	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			200 Secs (816 Secs) *[==>204.0 Secs (Split 1)]* *[==>204.0 Secs (Split 2)]* *[==>204.0 Secs (Split 3)]* *[==>204.0 Secs (Split 4)]*	***[3]***
6	G75-55-G160M	(29) G75-55	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			600 Secs (2377 Secs) *[==>577.0 Secs (Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[4]***

Orbit Structure






Orbit 3
Server Version: 20181130
GS Reacq
Exp. 4, split 1
Exp. 4, split 2
Exp. 4, split 3
Exp. 4, split 4
Pointing Maneuver
Exp. 5, split 1
Exp. 5, split 2
Exp. 5, split 3
Exp. 5, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 137
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 4
Server Version: 20181130
GS Reacq
Exp. 6, split 1
Exp. 6, split 2
Exp. 6, split 3
Exp. 6, split 4
*** ORBITAL VISIBILITY OVERRUN = 140
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LTT2050-TTRB1 (56), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: TTRB allocated orbits.

Diagnostics

(LTT2050-TTRB1 (56)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(LTT2050-TTRB1 (56)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(LTT2050-TTRB1 (56)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-TTRB1 (56)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-TTRB1 (56)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-G160M (56.002)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(LTT2050-G160M (56.003)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(LTT2050-G160M (56.004)) Warning (Form): Sensitive exposures should have an ETC run number provided.

Fixed Targets

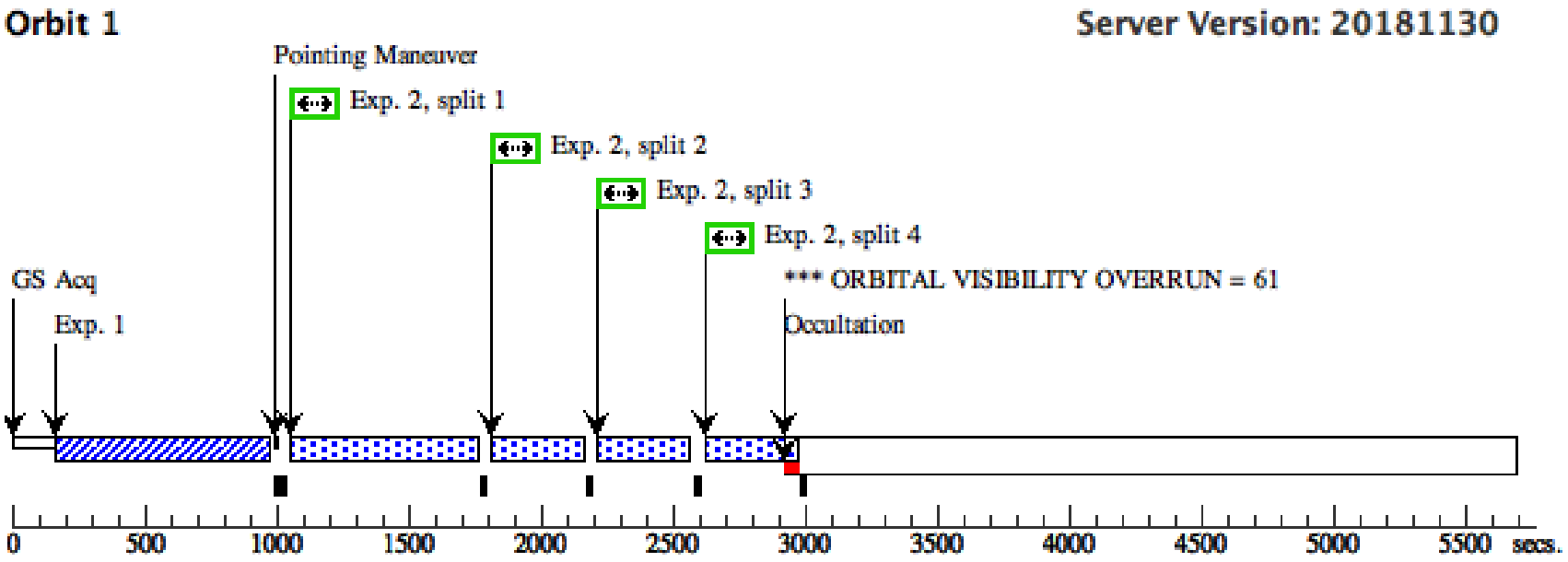
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(30)	LTT2050	RA: 04 37 41.6346 (69.4234775d) Dec: -11 02 22.91 (-11.03970d) Equinox: J2000	Proper Motion RA: -227.013 mas/yr Proper Motion Dec: -196.013 mas/yr Parallax: 0.08946" Epoch of Position: 2015.0	V=10.346	Reference Frame: ICRS

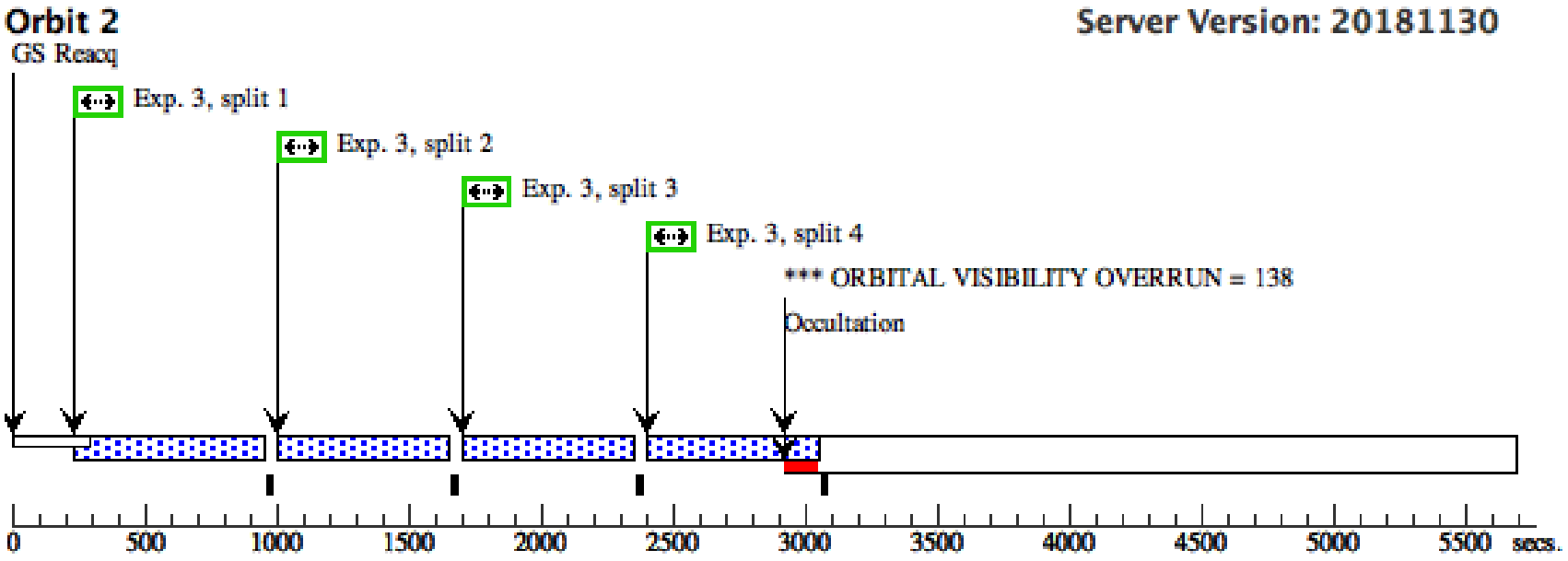
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

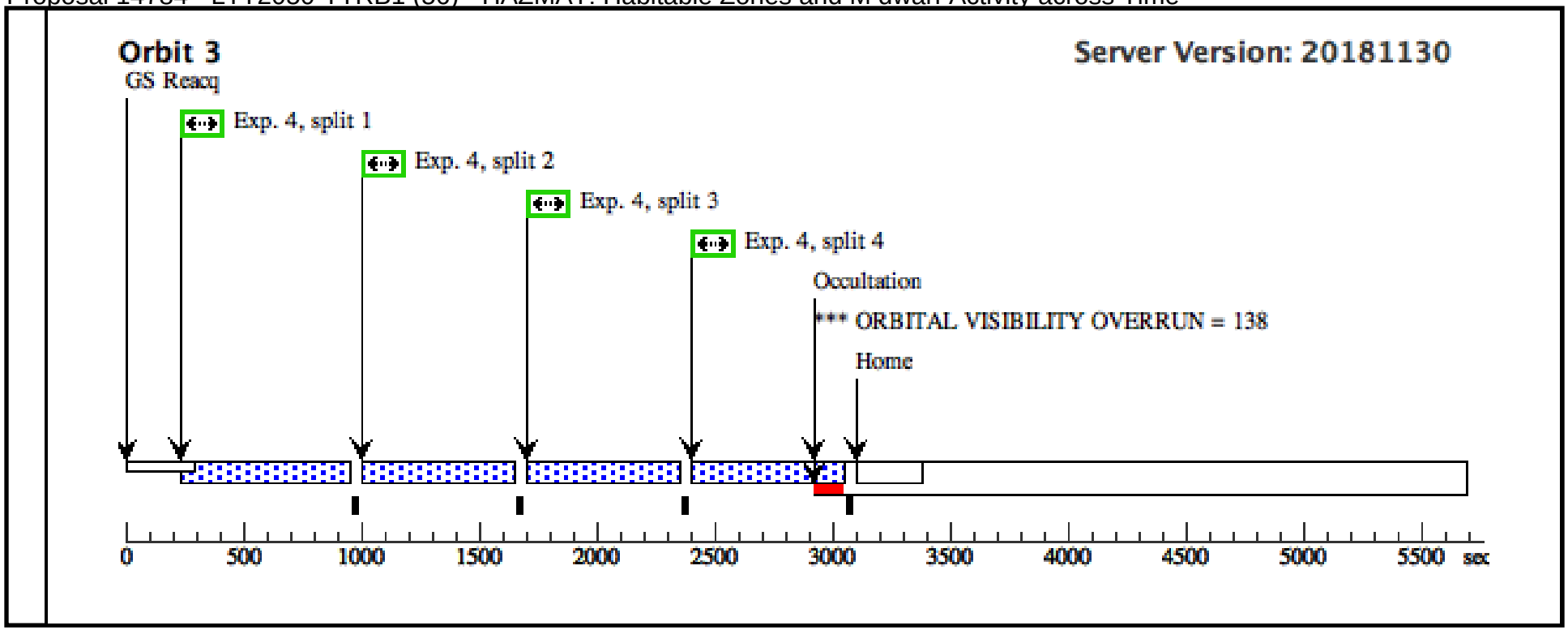
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LTT2050-ACQ/IMAGE (COS.ta.1047580)	(30) LTT2050	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				294 Secs (294 Secs) *[==>]*	***[1]***
2	LTT2050-G160M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			300 Secs (1393 Secs) *[==>493.0 Secs (Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***
3	LTT2050-G160M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			600 Secs (2384 Secs) *[==>596.0 Secs (Split 1)]* *[==>596.0 Secs (Split 2)]* *[==>596.0 Secs (Split 3)]* *[==>596.0 Secs (Split 4)]*	***[2]***
4	LTT2050-G160M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=17333; FLASH=YES; FP-POS=ALL			600 Secs (2384 Secs) *[==>596.0 Secs (Split 1)]* *[==>596.0 Secs (Split 2)]* *[==>596.0 Secs (Split 3)]* *[==>596.0 Secs (Split 4)]*	***[3]***

Orbit Structure






Orbit 3
Server Version: 20181130
GS Reacq
Exp. 4, split 1
Exp. 4, split 2
Exp. 4, split 3
Exp. 4, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 138
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, LTT2050-TTRB2 (57), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: TTRB allocated orbits.

Diagnostics

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-TTRB2 (57)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(LTT2050-G130M (57.002)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(LTT2050-G130M (57.003)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(LTT2050-G130M (57.004)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(LTT2050-G130M (57.005)) Warning (Form): Sensitive exposures should have an ETC run number provided.

(LTT2050-G130M (57.006)) Warning (Form): Sensitive exposures should have an ETC run number provided.

Fixed Targets

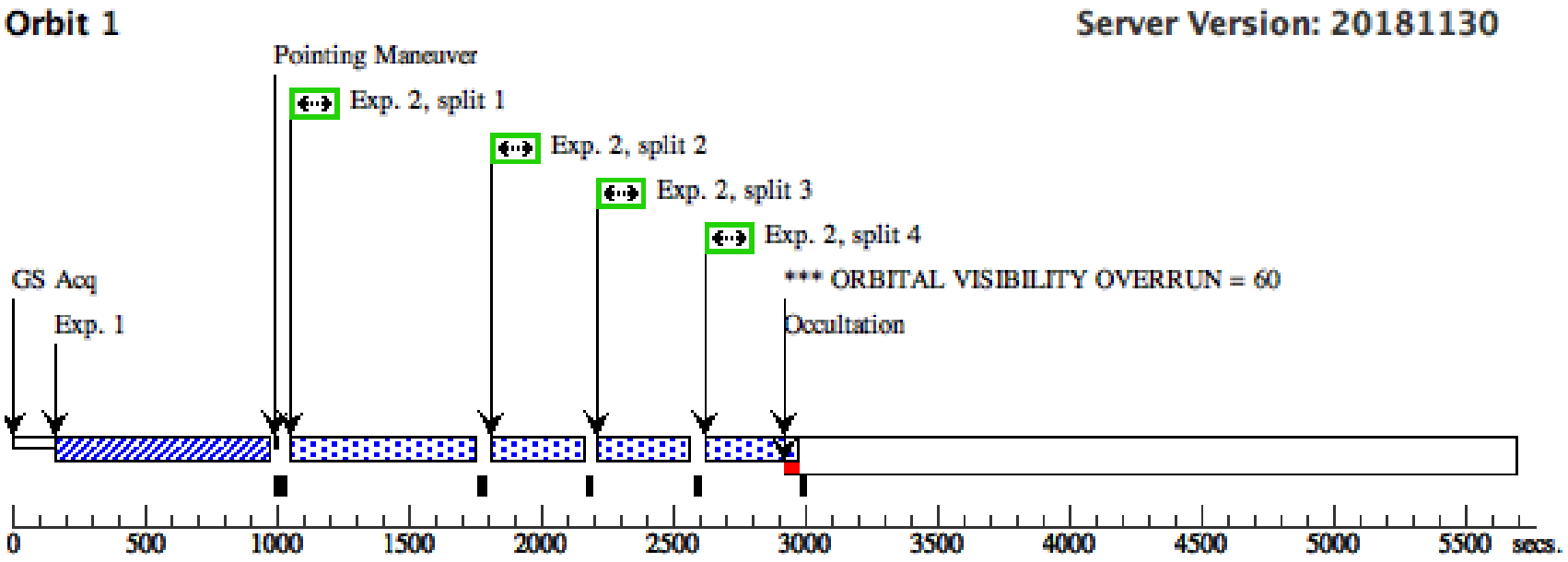
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(30)	LTT2050	RA: 04 37 41.6346 (69.4234775d) Dec: -11 02 22.91 (-11.03970d) Equinox: J2000	Proper Motion RA: -227.013 mas/yr Proper Motion Dec: -196.013 mas/yr Parallax: 0.08946" Epoch of Position: 2015.0	V=10.346	Reference Frame: ICRS

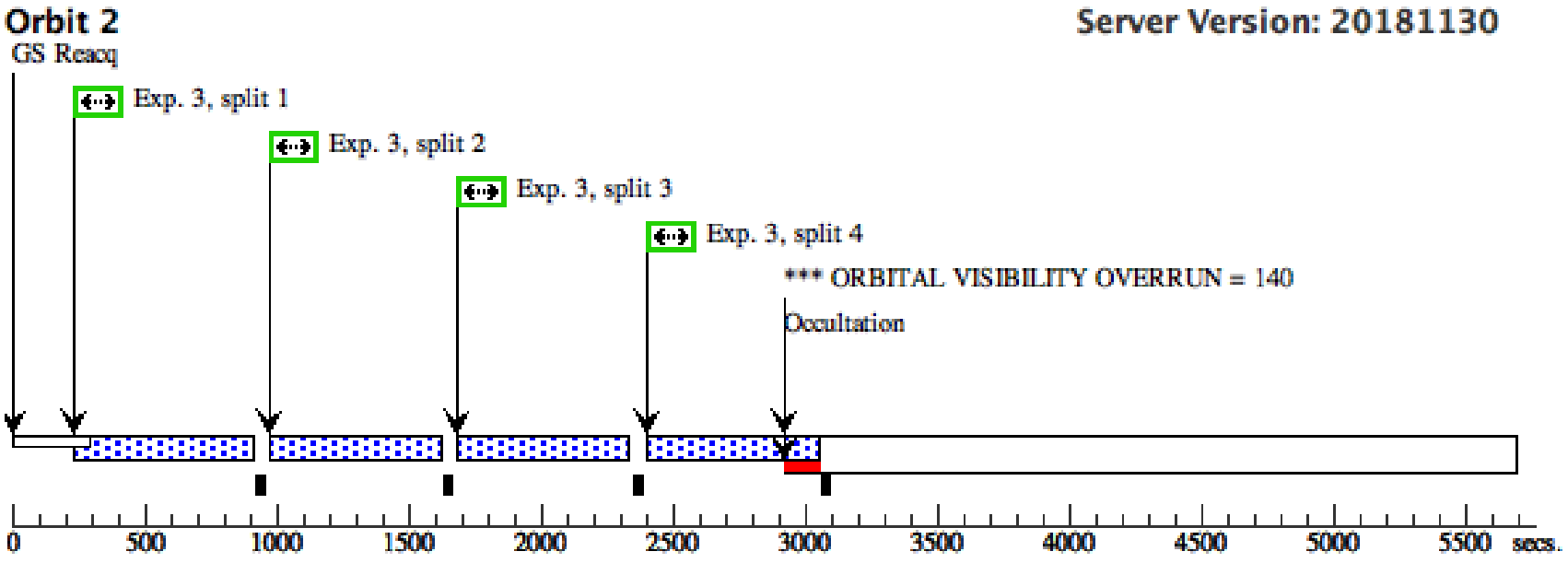
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

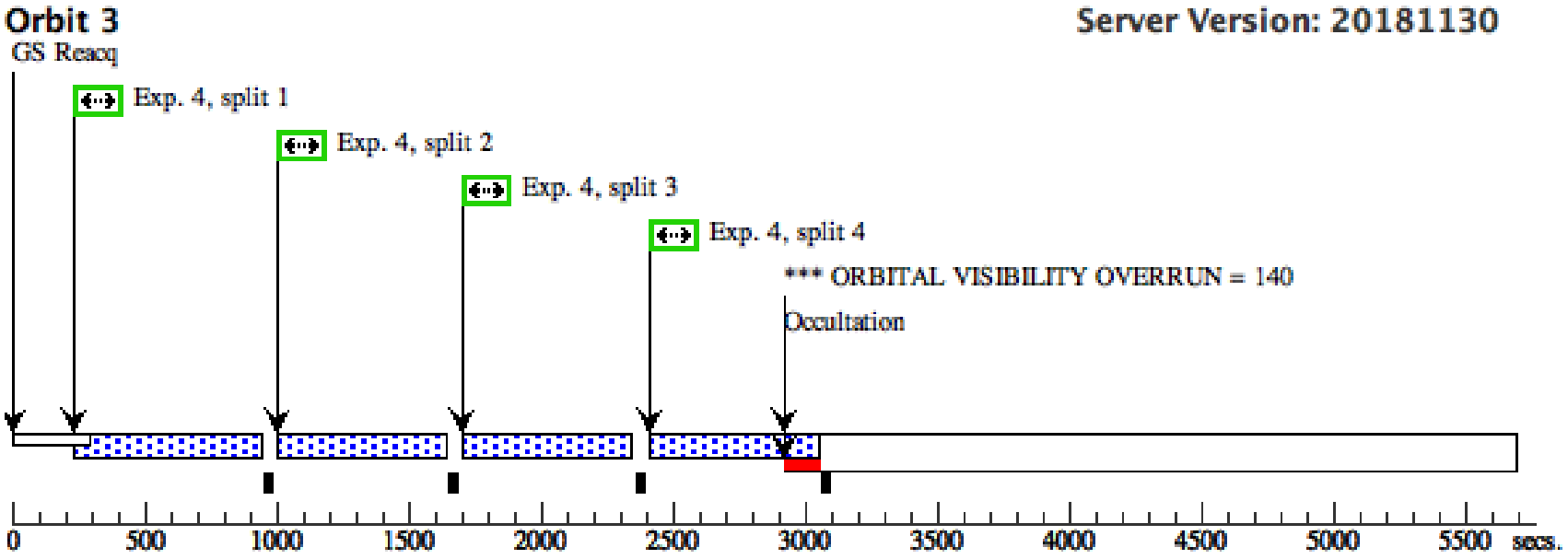
Exposures

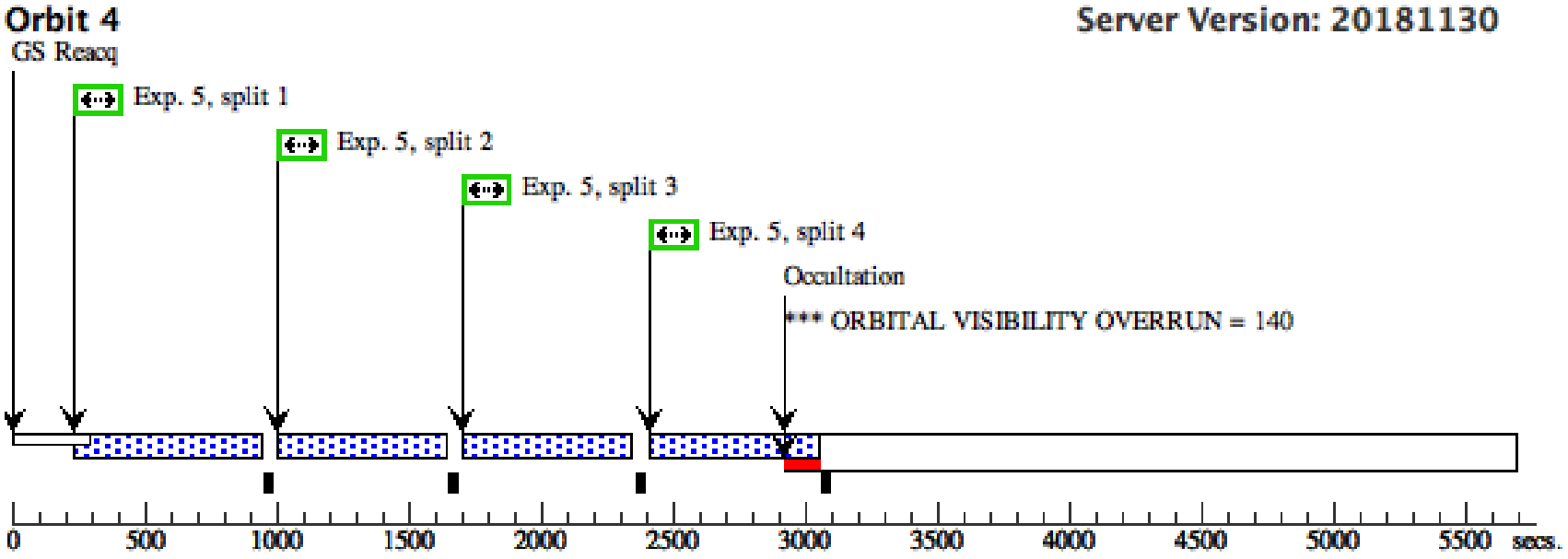
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LTT2050-ACQ/IMAGE (COS.ta.1047580)	(30) LTT2050	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				294 Secs (294 Secs) *[==>]*	***[1]***
2	LTT2050-G130M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			300 Secs (1418 Secs) *[==>518.0 Secs (Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***
3	LTT2050-G130M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			600 Secs (2356 Secs) *[==>556.0 Secs (Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[2]***
4	LTT2050-G130M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			580 Secs (2356 Secs) *[==>589.0 Secs (Split 1)]* *[==>589.0 Secs (Split 2)]* *[==>589.0 Secs (Split 3)]* *[==>589.0 Secs (Split 4)]*	***[3]***
5	LTT2050-G130M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			580 Secs (2356 Secs) *[==>589.0 Secs (Split 1)]* *[==>589.0 Secs (Split 2)]* *[==>589.0 Secs (Split 3)]* *[==>589.0 Secs (Split 4)]*	***[4]***
6	LTT2050-G130M	(30) LTT2050	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=4300; FLASH=YES; LIFETIME-POS=LP3; FP-POS=ALL			580 Secs (2356 Secs) *[==>589.0 Secs (Split 1)]* *[==>589.0 Secs (Split 2)]* *[==>589.0 Secs (Split 3)]* *[==>589.0 Secs (Split 4)]*	***[5]***

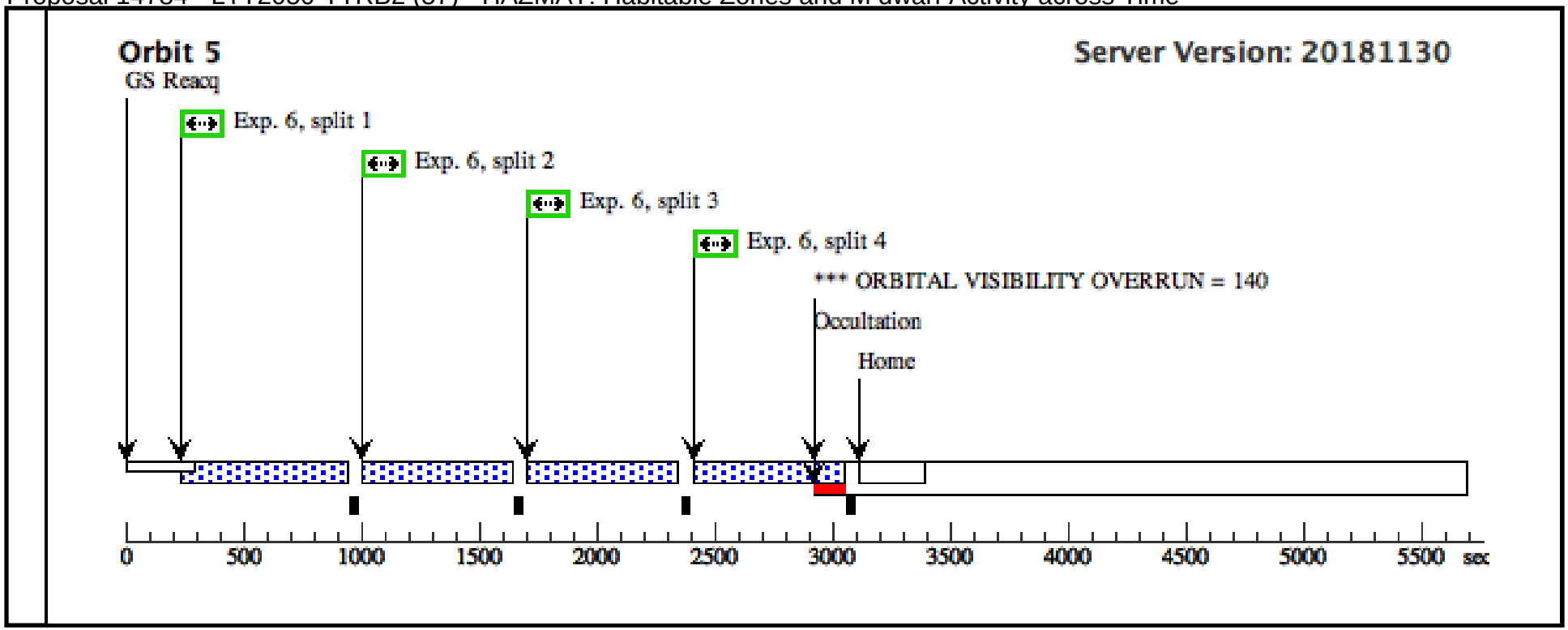
Orbit Structure






Orbit 3
Server Version: 20181130
GS Reacq
Exp. 4, split 1
Exp. 4, split 2
Exp. 4, split 3
Exp. 4, split 4
*** ORBITAL VISIBILITY OVERRUN = 140
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 4
Server Version: 20181130
GS Reacq
Exp. 5, split 1
Exp. 5, split 2
Exp. 5, split 3
Exp. 5, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 5
Server Version: 20181130
GS Reacq
Exp. 6, split 1
Exp. 6, split 2
Exp. 6, split 3
Exp. 6, split 4
*** ORBITAL VISIBILITY OVERRUN = 140
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14784, MELOTTE25REID176-NUVonly (58), failed — Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/NUV

Special Requirements: SCHED 100%

Comments: Repeat of failed visit 31.

Diagnostics

(MELOTTE25REID176-NUVonly (58)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS
(MELOTTE25REID176-NUVonly (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
(MELOTTE25REID176-NUVonly (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

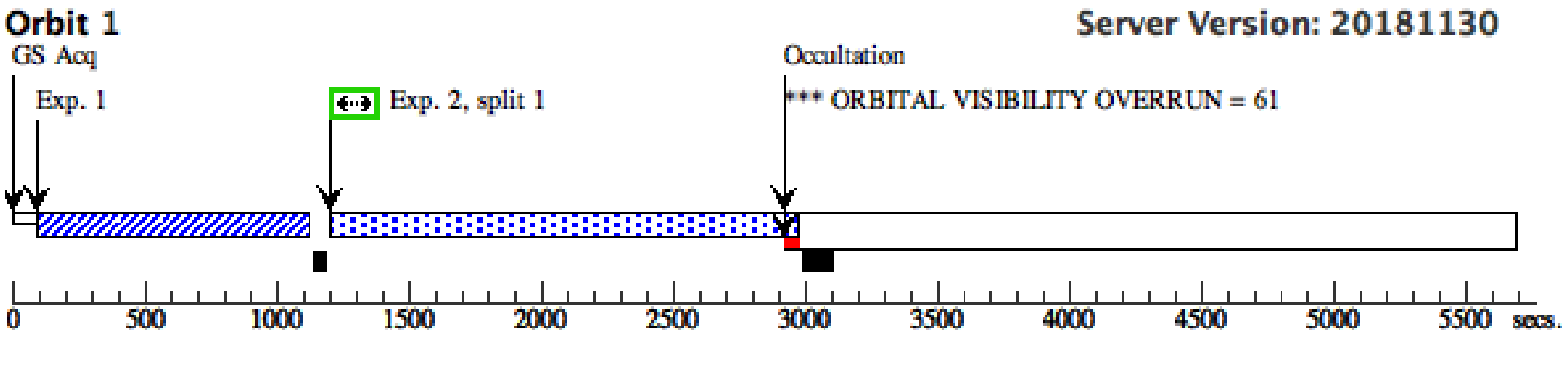
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	MELOTTE25REID176	RA: 04 22 39.6917 (65.6653821d) Dec: +18 16 9.08 (18.26919d) Equinox: J2000	Proper Motion RA: 128.6 mas/yr Proper Motion Dec: -37.1 mas/yr Parallax: 0.02721" Epoch of Position: 2015	V=13.36	Reference Frame: ICRS

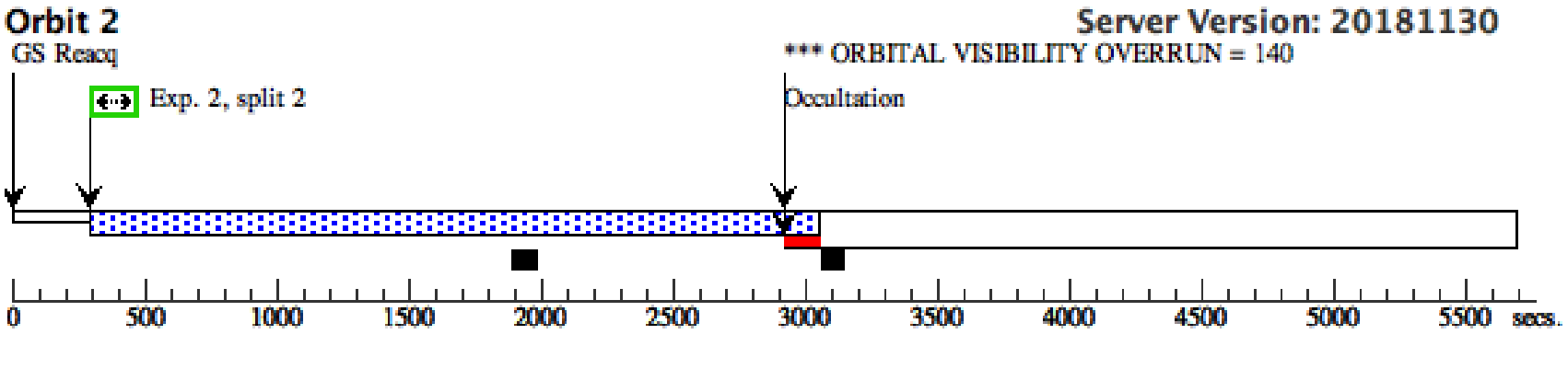
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

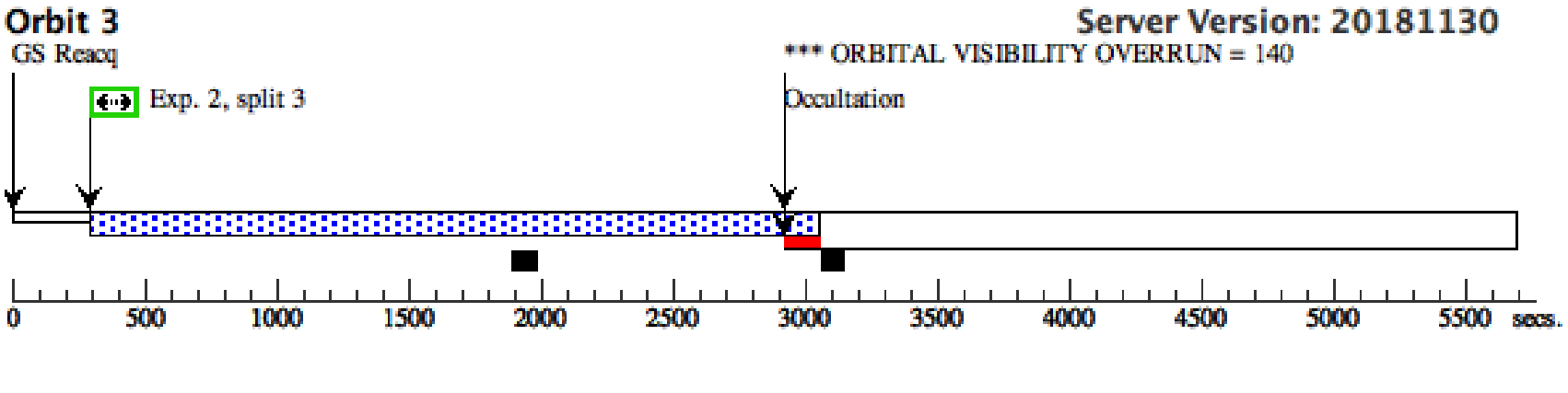
Exposures

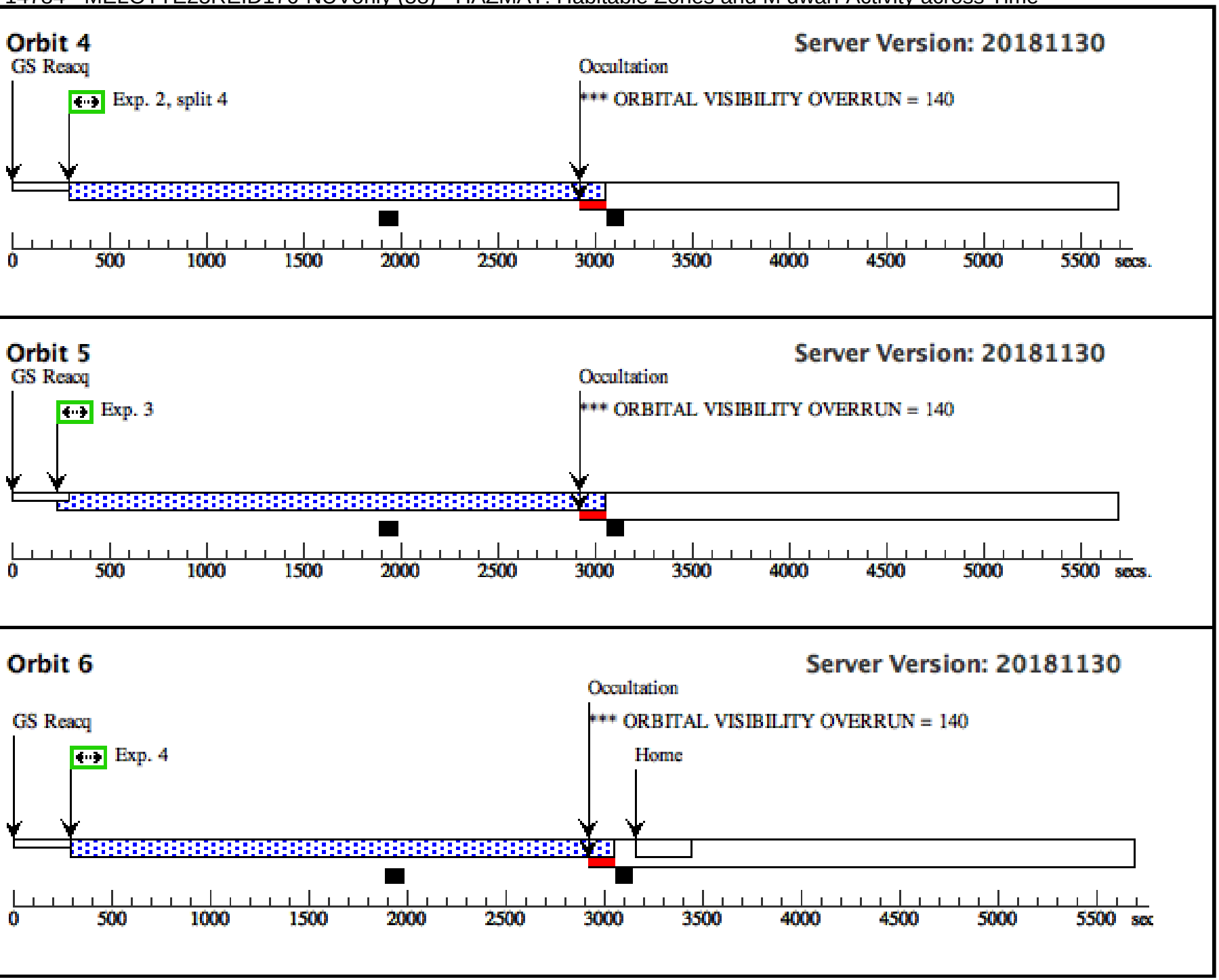
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MELOTTE25REID176-ACQ/IMAGE (COS.ta.1047576)	(19) MELOTTE25REID176	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				370 Secs (370 Secs) *[==>]*	*[1]*
2	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=ALL			2700 Secs (9885 Secs) *[==>1665.0 Secs (Split 1)]* *[==>2740.0 Secs (Split 2)]* *[==>2740.0 Secs (Split 3)]* *[==>2740.0 Secs (Split 4)]*	*[1]* *[2]* *[3]* *[4]*
3	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			2700 Secs (2740 Secs) *[==>2740.0 Secs]*	*[5]*
4	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=4			2700 Secs (2740 Secs) *[==>2740.0 Secs]*	*[6]*

Orbit Structure








Orbit 4
Server Version: 20181130
GS Reacq
Exp. 2, split 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 secs.
Orbit 5
Server Version: 20181130
GS Reacq
Exp. 3
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 secs.
Orbit 6
Server Version: 20181130
GS Reacq
Exp. 4
Occultation
*** ORBITAL VISIBILITY OVERRUN = 140
Home
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec

Visit

Proposal 14784, MELOTTE25REID176-NUVonly (59), completed Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/NUV

Special Requirements: SCHED 100%

Comments: Repeat of failed visit 58.

Diagnostics

(MELOTTE25REID176-NUVonly (59)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

(MELOTTE25REID176-NUVonly (59)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25REID176-NUVonly (59)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MELOTTE25REID176-NUVonly (59)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

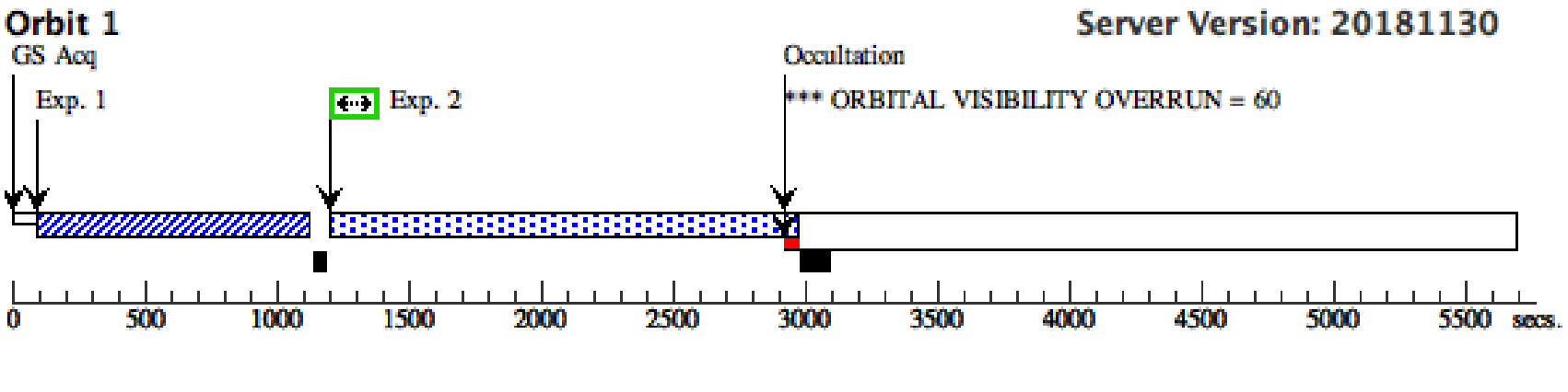
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	MELOTTE25REID176	RA: 04 22 39.6917 (65.6653821d) Dec: +18 16 9.08 (18.26919d) Equinox: J2000	Proper Motion RA: 128.6 mas/yr Proper Motion Dec: -37.1 mas/yr Parallax: 0.02721" Epoch of Position: 2015	V=13.36	Reference Frame: ICRS

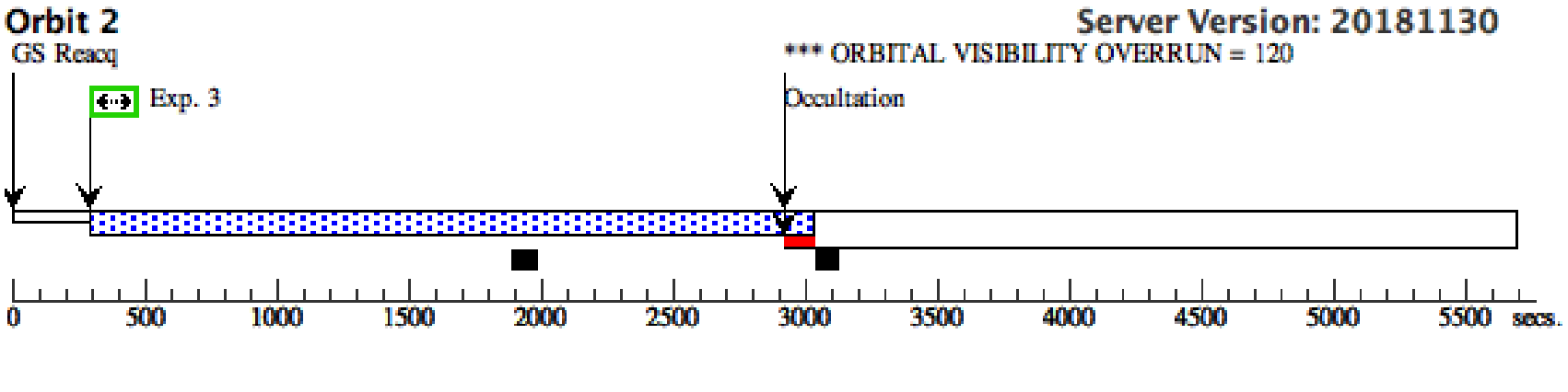
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

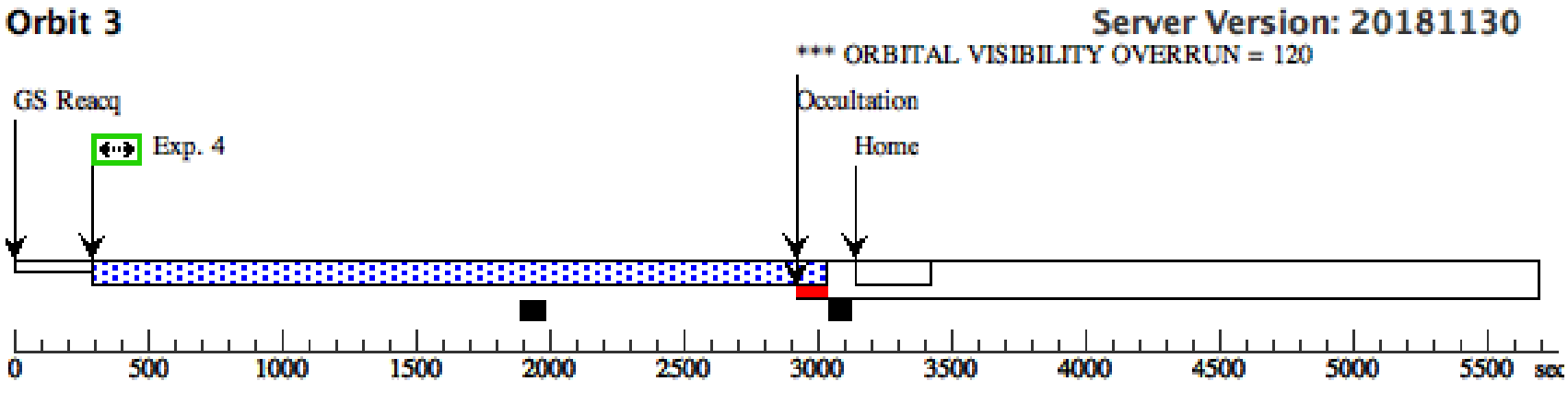
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MELOTTE25REID176-ACQ/IMAGE (COS.ta.1047576)	(19) MELOTTE25REID176	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				370 Secs (370 Secs) *[==>]*	***[1]***
2	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=1			2700 Secs (1664 Secs) *[==>1664.0 Secs]*	***[1]***
3	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=2			2700 Secs (2720 Secs) *[==>2720.0 Secs]*	***[2]***
4	MELOTTE25REID176, G230L (COS.sp.824146)	(19) MELOTTE25REID176	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1588; FLASH=YES; FP-POS=3			2700 Secs (2720 Secs) *[==>2720.0 Secs]*	***[3]***

Orbit Structure







Visit

Proposal 14784, MELOTTE25HAN192-Extra 4 (60), implementation Mon Feb 04 16:01:24 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Diagnostics

(MELOTTE25HAN192-Extra 4 (60)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.

Fixed Targets

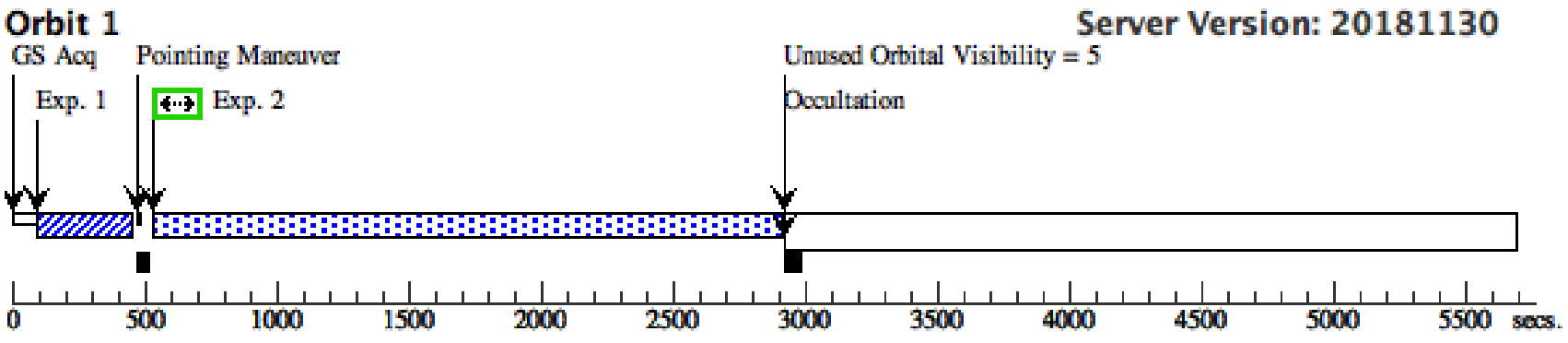
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	MELOTTE25HAN192	RA: 04 18 47.1563 (64.6964846d) Dec: +13 21 58.45 (13.36624d) Equinox: J2000	Proper Motion RA: 115.1 mas/yr Proper Motion Dec: -16.8 mas/yr Parallax: 0.02179" Epoch of Position: 2015	V=11.98	Reference Frame: ICRS

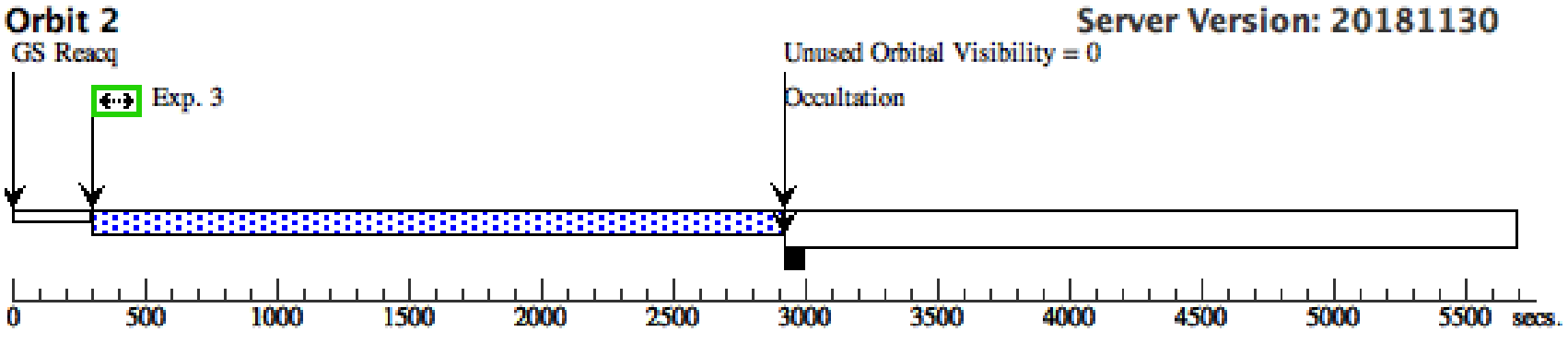
Comments:
Category=STAR
Description=[M V-IV]
Extended=NO

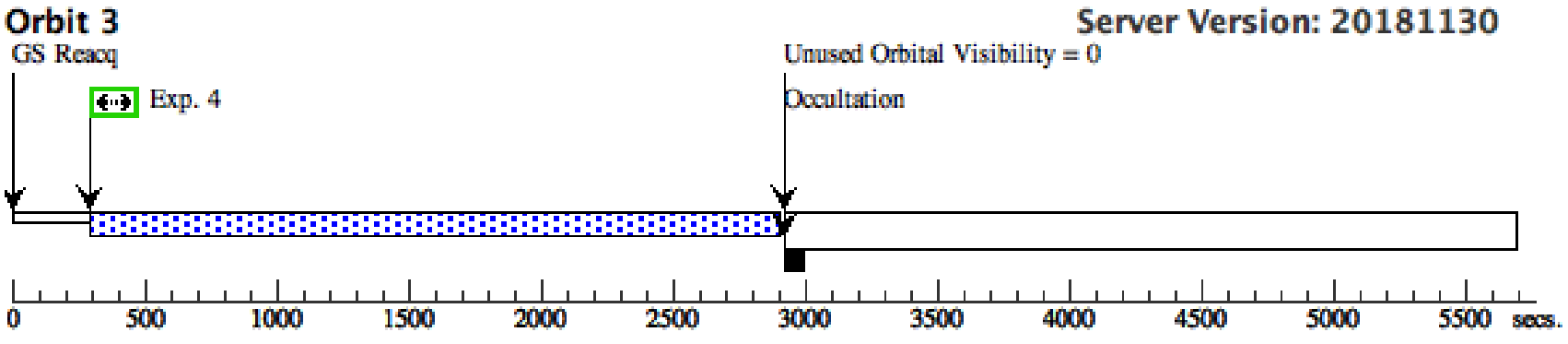
Exposures

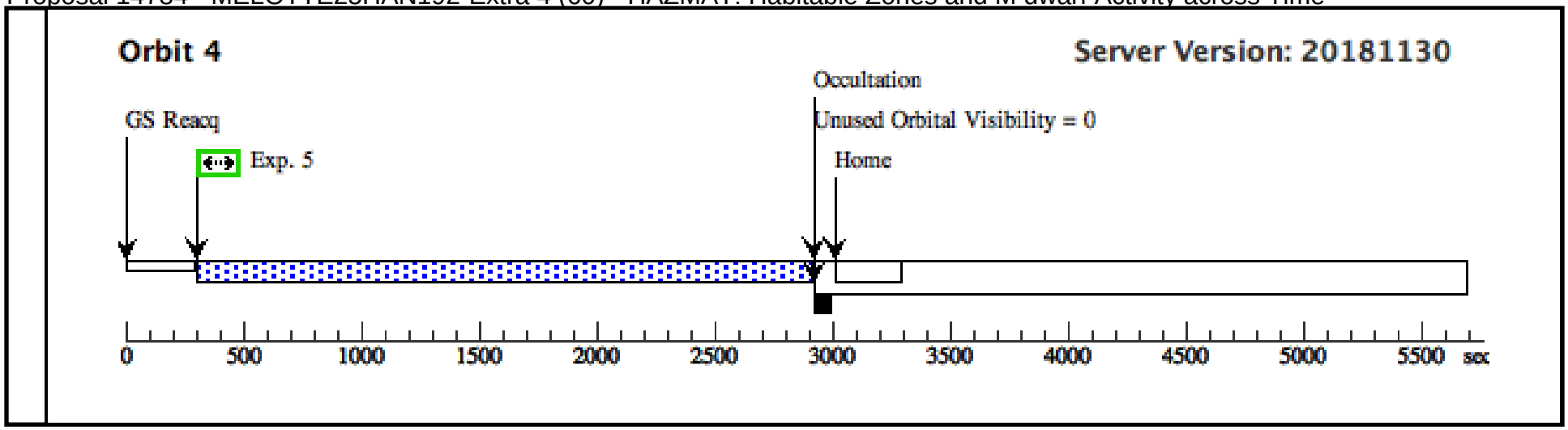
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MELOTTE25HAN192-ACQ/IMAGE (COS.ta.1047569)	(21) MELOTTE25HAN192	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		GS ACQ SCENARIO BASE1B3		34.5 Secs (34.5 Secs) *[==>]*	***[1]***
2	MELOTTE25HAN192, G130M (COS.sp.824164)	(21) MELOTTE25HAN192	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=3; LIFETIME-POS=LP4; SEGMENT=BOTH			2204 Secs (2207 Secs) *[==>2207.0 Secs]*	***[1]***
3	MELOTTE25HAN192, G130M (COS.sp.824164)	(21) MELOTTE25HAN192	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=3; LIFETIME-POS=LP4; SEGMENT=BOTH			2204 Secs (2561 Secs) *[==>2561.0 Secs]*	***[2]***
4	MELOTTE25HAN192, G130M (COS.sp.824164)	(21) MELOTTE25HAN192	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=4; LIFETIME-POS=LP4; SEGMENT=BOTH			2204 Secs (2561 Secs) *[==>2561.0 Secs]*	***[3]***
5	MELOTTE25HAN192, G130M (COS.sp.824164)	(21) MELOTTE25HAN192	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=4300; FLASH=YES; FP-POS=4; LIFETIME-POS=LP4; SEGMENT=BOTH			2204 Secs (2561 Secs) *[==>2561.0 Secs]*	***[4]***

Orbit Structure





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