



## 16011 - Extreme evolved solar systems (EESS)

Cycle: 26, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

### INVESTIGATORS

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### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
04	(4) WD0041-102	COS/FUV	1	04-Oct-2019 15:01:21.0	yes
06	(6) WD0048+202	COS/FUV	1	04-Oct-2019 15:01:22.0	yes
07	(7) WD0058-044	COS/FUV	1	04-Oct-2019 15:01:23.0	yes
09	(9) WD0127-050	COS/FUV	1	04-Oct-2019 15:01:24.0	yes

Proposal 16011 (STScI Edit Number: 1, Created: Friday, October 4, 2019 at 2:02:09 PM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
11	(11) WD0129-205	COS/FUV	1	04-Oct-2019 15:01:25.0	yes
16	(16) WD0300-232	COS/FUV	1	04-Oct-2019 15:01:25.0	yes
17	(17) WD0321-026	COS/FUV	1	04-Oct-2019 15:01:26.0	yes
20	(19) WD0352+096	COS/FUV	1	04-Oct-2019 15:01:27.0	yes
21	(21) WD0416+334	COS/FUV	1	04-Oct-2019 15:01:28.0	yes
23	(23) WD0503+147	COS/FUV	1	04-Oct-2019 15:01:28.0	yes
26	(26) WD0558+165	COS/FUV	1	04-Oct-2019 15:01:29.0	yes
29	(29) WD0701-587	COS/FUV	1	04-Oct-2019 15:01:30.0	yes
35	(35) APASSJ083857.48-214611.0	COS/FUV	1	04-Oct-2019 15:01:31.0	yes
36	(36) WD0845-188	COS/FUV COS/NUV	1	04-Oct-2019 15:01:31.0	yes
40	(40) APASSJ090515.04-234257.2	COS/FUV	1	04-Oct-2019 15:01:32.0	yes
41	(41) SDSSJ090823.14+124703.9	COS/FUV	1	04-Oct-2019 15:01:33.0	yes
42	(42) WD0920+375	COS/FUV	1	04-Oct-2019 15:01:34.0	yes
43	(43) WD0922+162A	COS/FUV	1	04-Oct-2019 15:01:35.0	yes
46	(46) WD0937-103	COS/FUV	1	04-Oct-2019 15:01:35.0	yes
47	(47) WD0943+140	COS/FUV COS/NUV	1	04-Oct-2019 15:01:36.0	yes
48	(48) WD0945+245	COS/FUV	1	04-Oct-2019 15:01:37.0	yes
49	(49) WD1003-023	COS/FUV	1	04-Oct-2019 15:01:38.0	yes
50	(50) APASSJ101047.80-242711.6	COS/FUV	1	04-Oct-2019 15:01:38.0	yes
51	(51) WD1015+076	COS/FUV	1	04-Oct-2019 15:01:39.0	yes
52	(52) WD1016-308	COS/FUV	1	04-Oct-2019 15:01:40.0	yes
55	(55) WD1036+085	COS/FUV	1	04-Oct-2019 15:01:41.0	yes
57	(57) SDSSJ110136.86+174155.90	COS/FUV	1	04-Oct-2019 15:01:41.0	yes

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<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
63	(63) WD1130-125	COS/FUV COS/NUV	1	04-Oct-2019 15:01:42.0	yes
64	(64) WD1132+470	COS/FUV	1	04-Oct-2019 15:01:43.0	yes
65	(65) WD1134+300	STIS/CCD STIS/FUV-MAMA	1	04-Oct-2019 15:01:44.0	yes
66	(66) WD1152+371	COS/FUV	1	04-Oct-2019 15:01:44.0	yes
67	(67) SDSSJ115737.93+185503.58	COS/FUV	1	04-Oct-2019 15:01:45.0	yes
68	(68) WD1201-001	COS/FUV	1	04-Oct-2019 15:01:46.0	yes
70	(70) WD1241-010	COS/FUV	1	04-Oct-2019 15:01:47.0	yes
74	(74) WD1312+098	COS/FUV COS/NUV	1	04-Oct-2019 15:01:47.0	yes
75	(75) WD1324+077	COS/FUV	1	04-Oct-2019 15:01:48.0	yes
79	(79) WD1335+369	COS/FUV	1	04-Oct-2019 15:01:49.0	yes
80	(80) WD1335-035	COS/FUV COS/NUV	1	04-Oct-2019 15:01:50.0	yes
81	(81) WD1336+123	COS/FUV	1	04-Oct-2019 15:01:50.0	yes
83	(83) WD1411+218	COS/FUV	1	04-Oct-2019 15:01:51.0	yes
84	(84) WD1411+135	COS/FUV COS/NUV	1	04-Oct-2019 15:01:52.0	yes
89	(89) WD1449+168	COS/FUV	1	04-Oct-2019 15:01:53.0	yes
92	(92) WD1507+220	COS/FUV	1	04-Oct-2019 15:01:53.0	yes
93	(93) APASSJ151754.65+103043.7	COS/FUV	1	04-Oct-2019 15:01:54.0	yes
95	(95) WD1523+322	COS/FUV	1	04-Oct-2019 15:01:55.0	yes
96	(96) WD1525+257	COS/FUV	1	04-Oct-2019 15:01:56.0	yes
99	(99) WD1542+182	COS/FUV	1	04-Oct-2019 15:01:56.0	yes
0B	(141) WD1554+215	COS/FUV	1	04-Oct-2019 15:01:57.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
0D	(103) WD1614+136	COS/FUV	1	04-Oct-2019 15:01:58.0	yes
0G	(106) WD1659-531	COS/FUV	1	04-Oct-2019 15:01:59.0	yes
0U	(120) WD2051-208	COS/FUV	1	04-Oct-2019 15:02:00.0	yes
1M	(138) WD2341+322	COS/FUV	1	04-Oct-2019 15:02:01.0	yes
1N	(139) WD2347-461	COS/FUV	1	04-Oct-2019 15:02:02.0	yes
1O	(140) WD2350-083	COS/FUV	1	04-Oct-2019 15:02:02.0	yes
1H	(133) APASSJ225612.94-131939.3	COS/FUV	1	04-Oct-2019 15:02:03.0	yes
56	(56) WD1051-147	COS/FUV	1	04-Oct-2019 15:02:04.0	yes
0C	(102) APASSJ161442.78+104618.1	COS/FUV	1	04-Oct-2019 15:02:05.0	yes
53	(53) WD1017+366	COS/FUV COS/NUV	1	04-Oct-2019 15:02:05.0	yes
85	(85) WD1434-223	COS/FUV	1	04-Oct-2019 15:02:06.0	yes
0F	(105) WD1659+303	COS/FUV COS/NUV	1	04-Oct-2019 15:02:07.0	yes
0J	(109) WD1743-521	COS/FUV	1	04-Oct-2019 15:02:08.0	yes
60	(60) WD1105-048	COS/FUV	1	04-Oct-2019 15:02:08.0	yes

62 Total Orbits Used

## **ABSTRACT**

In just 20 years, we went from not knowing if the solar system is a fluke of Nature to realising that it is totally normal for stars to have planets. More remarkably, it is now clear that planet formation is a robust process, as rich multi-planet systems are found around stars more massive and less massive than the Sun. More recently, planetary systems have been identified in increasingly complex architectures, including circumbinary planets, wide binaries with planets orbiting one or both stellar components, and planets in triple stellar systems.

We have also learned that many planetary systems will survive the evolution of their host stars into the white dwarf phase. Small bodies are scattered by unseen planets into the gravitational field of the white dwarfs, tidally disrupt, form dust discs, and eventually accrete onto the white dwarf, where they can be spectroscopically detected. HST/COS has played a critical role in the study these evolved planetary systems, demonstrating that overall

the bulk composition of the debris is rocky and resembles in composition the inner the solar system, including evidence for water-rich planetesimals.

Past observations of planetary systems at white dwarfs have focused on single stars with main-sequence progenitors of  $\sim 1.5$  to  $2.5 M_{\text{sun}}$ . Here we propose to take the study of evolved planetary systems into the extremes of parameter ranges to answer questions such as:

- \* How efficient is planet formation around 4-10 $M_{\text{sun}}$  stars?
- \* What are the metallicities of the progenitors of debris-accreting white dwarfs?
- \* What is the fate of circumbinary planets?
- \* Can star-planet interactions generate magnetic fields in the white dwarf host?

## **OBSERVING DESCRIPTION**

This program is a continuation of our previous snapshot surveys of white dwarfs (12169, 12474, 13652, 14077). The goal of this project is to identify white dwarfs that exhibit metal contamination, indicating the accretion of debris from tidally disrupted asteroids. In the previous programs, we explored the temperature range  $\sim 15000$ - $30000\text{K}$ , corresponding to cooling ages from a few Myr to  $\sim 500\text{Myr}$ , irrespective of mass or binarity. In this Cycle 25 program, we focus on

- \* high mass white dwarfs, which descend from  $\sim 4$ - $8 M_{\text{sun}}$  main sequence stars, probing the efficiency of planet formation around  $\sim A$ - $B$  type stars.
- \* low mass white dwarfs that do not show any radial velocity variation. These stars have undergone some binary interaction, but the absence of RV variations could suggest that they interacted with a giant planet / hot Jupiter.
- \* magnetic white dwarfs: so far, no warm/young metal polluted white dwarf is magnetic. Is this a selection effect?
- \* white dwarfs in wide binaries - gravitational interaction should destabilise planetary bodies orbiting the white dwarf, increasing the fraction of white dwarfs with metals in their atmospheres

The observations will be carried out with the G130M grating, which gives the best coverage of all important lines (O I 1150A, C III 1175A, Si II 1260/65A, C II 1330/35A, Si IV 1393/1403). The 1291A central wavelength places the detector gap in a line-free region.

All exposure times have been calculated from model spectra computed for the atmospheric parameters measured from optical spectra, and scaled to the FUV flux, or NUV flux if no FUV was available, or the V-magnitude, if neither FUV or NUV data was available, we are happy to provide these

models to the COS team. We have searched the IUE and HST archives for low-resolution spectra, and list those in the target section.

The coordinates and proper motions were sourced from PPMXL, UCAC4/5, and APOP. We will run another sanity check on those in the next week.

We found three targets that need some attention:

- \* WD1134+300 (target #65, visit #65) is very close to the bright object limit
- \* WD1844-233 (target #110, visit 0K) is just a bit brighter than the bright object limit.

These are valuable targets, and we would like to switch them to STIS/E140M => does this need a TTRB request?

- \* WD2336-079 (target #137, visit 1L) is a bit too cool / faint for useful G130M observations, we switched to G140L. OK?

==== Changes 2017-Sept-02 =====

We changed the target acquisition strategy from dispersed light, G130M, to near-UV imaging, using MIRRORB to shave of ~100-150sec for the faintest targets / those with the longest exposure times in the spectroscopic acquisition.

02, 08, 18, 19, 31, 36, 47, 53, 63, 73, 74, 80, 82, 88, 97, 0F, 0T, 1F, 1I, 1K, 1L

We did, however, leave targets without GALEX fluxes in spectroscopic acquisition, just to be on the safe side.

==== Changes 2017-Sept-06 =====

Switched the two brightest targets,

visits 0K and 65

Proposal 16011 (STScI Edit Number: 1, Created: Friday, October 4, 2019 at 2:02:09 PM Eastern Standard Time) - Overview to STIS/E140M, as approved by TTRB 88818

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Changes 2017-Sept-18  
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Fixed typo in the name of target 63: WD1130-125 instead of WD1140-125.

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Changes 2017-Sept-22  
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Fixed some problems with target coordinates and proper motions:

target 69: WD1233-164, p.m. changed from (-300,16) to (-400,30) [mas/yr]

target 78: WD1334-160, p.m. changed from (-64,-34) to (-107,3) [mas/yr]

target 89: WD1449+168, coordinates changed from (14:52:4.1420 +16:37:19.96) to (14:52:11.3900 +16:38:03.80),  
p.m. changed from (-260,-296) to (3,57) [mas/yr]

target 125: WD2154-437, coordinates changed from (21:58:1.2340 -43:27:56.21) to (21:58:1.4300 -43:27:59.60),  
p.m. changed from (63,-47) to (158,-187) [mas/yr]

target 131: WD0220+222, coordinates changed from (02:33:6.1300 +22:27:28.70) to (02:23:36.1300 +22:27:28.70)

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Changes 2017-Oct-10  
=====

visit 13: this target has a nearby (7") M-dwarf, which could be potentially dangerous in the target acq.. Nick suggested switching to a spectroscopic NUV acq., using G185M/1786. This works, and adds little extra overhead.

visit 19: WD0406+169, the IUE LWR spectra of this target show the continuum flux increasing beyond 2800 A. switched to spectroscopic FUV acq.

visit 31: the original target (WD0730+487) was observed as part of the Cycle 23 snapshot during the implementation of this program, swapped it with a new target, WD0410+117

Proposal 16011 (STScI Edit Number: 1, Created: Friday, October 4, 2019 at 2:02:09 PM Eastern Standard Time) - Overview

visit 1E: the original target (WD2226+061) was observed as part of the Cycle 23 snapshot during the implementation of this program, swapped it with a new target, WD2248-504

visit 1L (WD2236-079): NUV/Image/PSA/MirrorB acquisition fails BOP (COS.ta.1024617), switched to FUV/PeakXD+PeakD/G140L/1105

===== Changes 2018-Jan-02 =====

visit 24 / target 24 (WD0525+526) updated coordinates from (05 29 49.99 +52 39 58.35) to (05 29 50.268 +52 39 53.71) and proper motions from (-2.7 19.2) to (363.4 -540.3) [mas/yr]

visit 69 / target 69 (WD1233-164) updated coordinates from (12 36 13.7200 -16 41 51.90) to (12 36 13.9060 -16 41 52.44) and proper motions from (-400 30) to (-92.6 -22.6) [mas/yr]

===== Changes 2018-Jan-05 =====

visit 63: changed target name from WD1140-125 to WD1130-125

visit 12: cloned visit OT which failed do to the problem with the guide star acquisition into visit 12, i.e. replaced the original target of visit 12 (WD0132+254) with WD2051+095, and replaced the exposures of visit 12 with those in visit OT.

visit 10: Nick pointed out that there is an IUE spectrum for this target (SWP39693L), which clearly shows that the published temperature of ~28000K is wrong - a quick analysis suggests  $T_{\text{eff}} \sim 15000\text{K}$ . Adopting this lower  $T_{\text{eff}}$ , the acquisition was changed to ACQ/Image, as the FUV flux is lower than expected.

visit 0G: changed the ETC # for the acquisition exposures from COS.sa.1013225 to COS.sa.1013227

===== Changes 2018-May-29 =====

Checked coordinates and proper motions of all targets in Gaia DR2, fixed the following:

Proposal 16011 (STScI Edit Number: 1, Created: Friday, October 4, 2019 at 2:02:09 PM Eastern Standard Time) - Overview

visit 78 / target 78 (WD1334-160) updated coordinates from (13 36 59.2480 -16 19 43.70) to (13 36 59.1305 -16 19 44.28) and proper motions from (-106.7 3.3) to (-111.230 -31.312) [mas/yr]

visit 79 / target 79 (WD1335+369) updated coordinates from (13 37 41.5 +36 39 03.50) to (13 37 52.0824 +36 37 32.41) and proper motions from (9.0 -16.4) to (-5.9 -66.8) [mas/yr]

visit 1C / target 128 (HS2220+2146B) updated coordinates from (22 23 1.6530 +22 01 30.96) to (22 23 1.6609 +22 01 30.73) and proper motions from (23.36 -6.7899957) to (51.985 -61.558) [mas/yr]

visit 1D / target 129 (HS2220+2146A) updated coordinates from (22 23 1.7540 +22 01 24.55) to (22 23 1.7621 +22 01 24.32) and proper motions from (43.29 -44.64) to (51.141 -62.349) [mas/yr]

visit 1B: placed on hold, as the astrometry is still a bit dodgy, and even Gaia does not solve it.

==== Changes 2018-Nov-01 =====

visit 1B / target 127 (WD2205+250) updated coordinates from (22 07 45.0280 +25 20 22.26) to ( 22 07 45.0052849711 +25 20 22.039923751) and proper motions from (-42.5 -103) to ( 87.611 -26.538), removed "on hold"

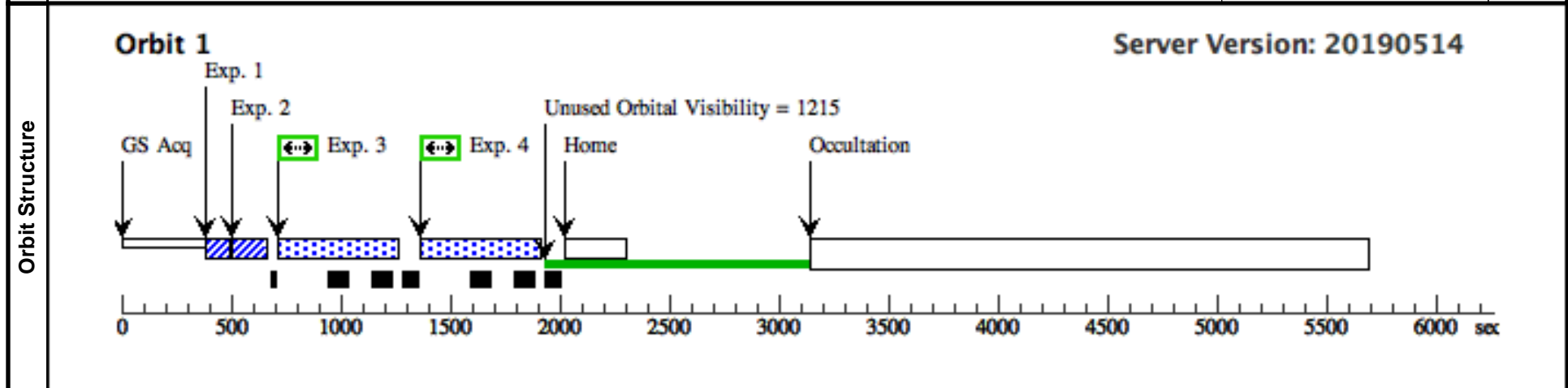
Proposal 16011 - WD0041-102 (04) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:09 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0041-102 (04), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	WD0041-102	RA: 00 43 45.9860 (10.9416083d) Dec: -10 00 24.99 (-10.00694d) Equinox: J2000	Proper Motion RA: -146.5 mas/yr Proper Motion Dec: -132.8 mas/yr Epoch of Position: 2000.0	V=14.527+/-0.033 GALEX FUV=13.96 GALEX N UV=14.06, SWP03765L	Reference Frame: ICRS
<i>Comments: Magnetic, Teff=20000K logg=8.0, DABH, B=35MG</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

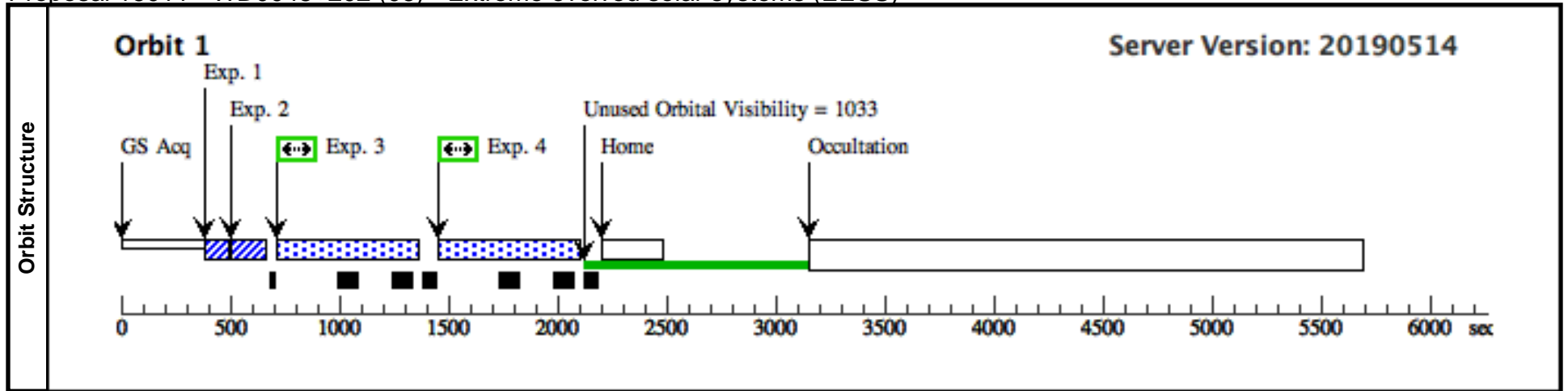
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3075)	(4) WD0041-102	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3075)	(4) WD0041-102	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3076)	(4) WD0041-102	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=3			500 Secs (500 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3076)	(4) WD0041-102	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			500 Secs (500 Secs) [==>]	[1]



Proposal 16011 - WD0048+202 (06) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:09 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0048+202 (06), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV Special Requirements: (none)									
	(WD0048+202 (06)) Warning (Form): If the target position is not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(6)	WD0048+202	RA: 00 51 11.0100 (12.7958750d) Dec: +20 31 22.30 (20.52286d) Equinox: J2000	Proper Motion RA: 90.5 mas/yr Proper Motion Dec: -19.5 mas/yr Epoch of Position: 2000.0	V=14.85+/-0.1 GALEX FUV=14.57 GALEX N UV=14.84	Reference Frame: ICRS				
Comments: Default, Teff=20160K logg=7.99, DA Category=STAR Description=[DA] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/PEAK XD (COS.sa.101 3082)	(6) WD0048+202	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3082)	(6) WD0048+202	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3083)	(6) WD0048+202	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3083)	(6) WD0048+202	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



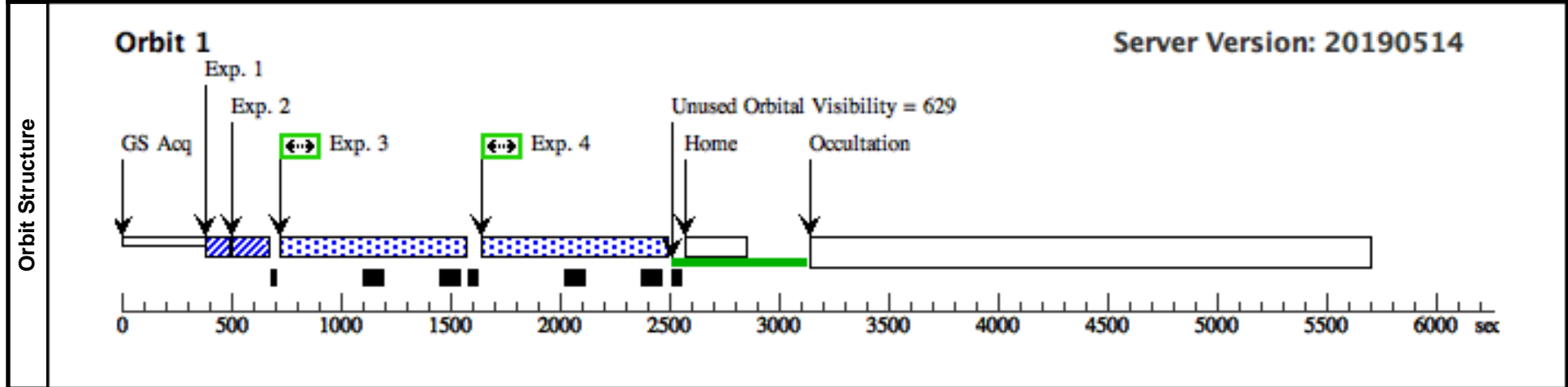
Proposal 16011 - WD0058-044 (07) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:09 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0058-044 (07), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	WD0058-044	RA: 01 01 2.2090 (15.2592042d) Dec: -04 11 10.59 (-4.18628d) Equinox: J2000	Proper Motion RA: 106.5 mas/yr Proper Motion Dec: 35.8 mas/yr Epoch of Position: 2000.0	V=15.409+/-0.099 GALEX FUV=14.86 GALEX N UV=15.2	Reference Frame: ICRS
<i>Comments: Magnetic, Teff=16700K logg=8.07, DAH, B=0.325MG</i>					
<i>Category=STAR</i> <i>Description=[DA]</i> <i>Extended=NO</i>					

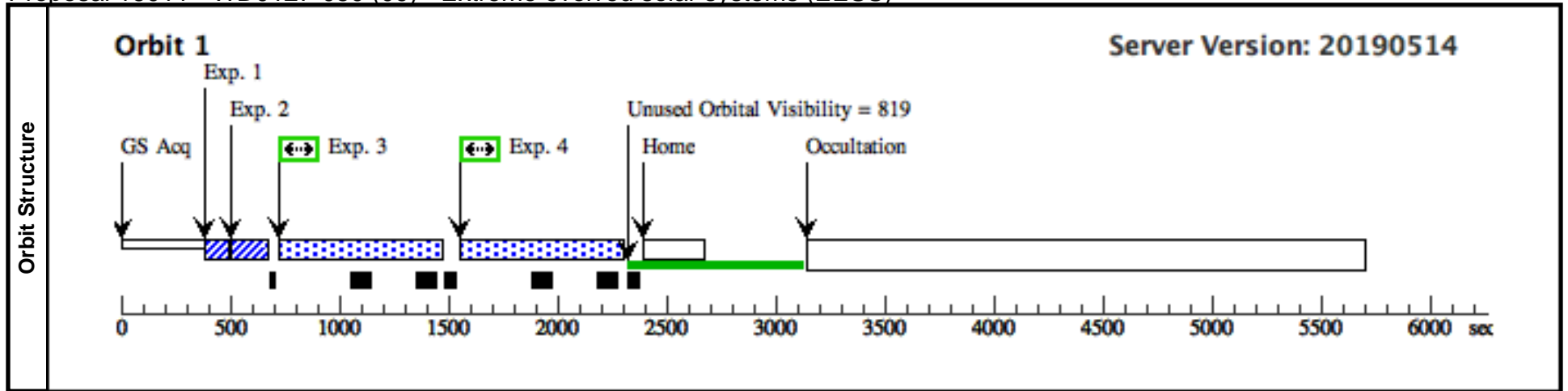
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3085)	(7) WD0058-044	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3085)	(7) WD0058-044	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3086)	(7) WD0058-044	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=3			800 Secs (800 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3086)	(7) WD0058-044	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=4			800 Secs (800 Secs) [==>]	[1]



Proposal 16011 - WD0127-050 (09) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

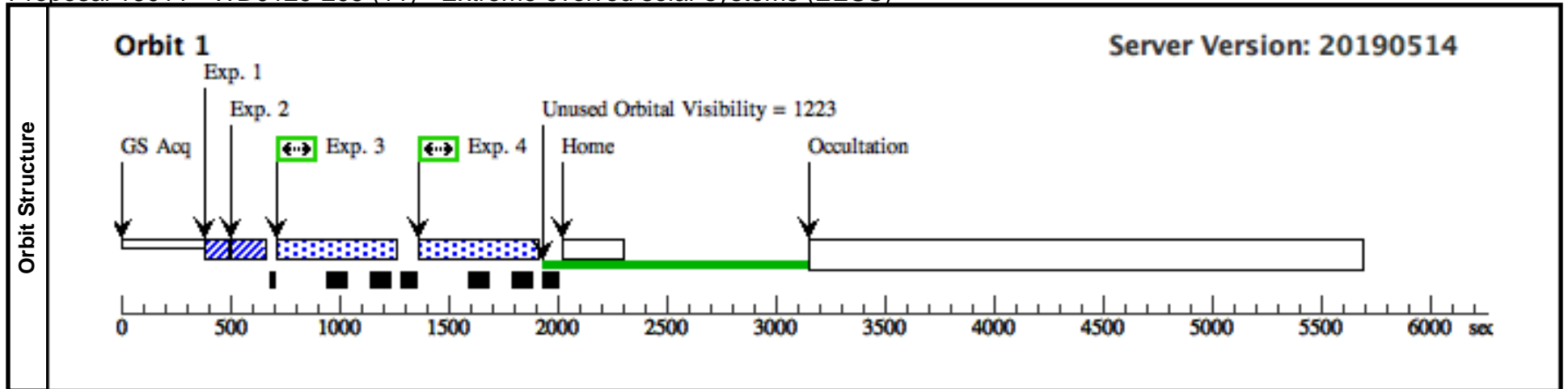
<b>Visit</b>	<b>Proposal 16011, WD0127-050 (09), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV Special Requirements: (none)									
	(WD0127-050 (09)) Warning (Form): If the target position is not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(9)	WD0127-050	RA: 01 30 23.0300 (22.5959583d) Dec: -04 47 57.90 (-4.79942d) Equinox: J2000	Proper Motion RA: -205.3 mas/yr Proper Motion Dec: -243.8 mas/yr Epoch of Position: 2000.0	V=14.914+/-0.069 GALEX FUV=14.61 GALEX N UV=14.8	Reference Frame: ICRS				
Comments: Default, Teff=16718Klogg=7.784, DA Category=STAR Description=[DA] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/PEAK XD (COS.sa.101 3087)	(9) WD0127-050	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3087)	(9) WD0127-050	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3088)	(9) WD0127-050	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=3			700 Secs (700 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3088)	(9) WD0127-050	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=4			700 Secs (700 Secs) [==>]	[1]



Proposal 16011 - WD0129-205 (11) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0129-205 (11), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV Special Requirements: (none)									
	(WD0129-205 (11)) Warning (Form): If the target position is not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(11)	WD0129-205	RA: 01 31 39.2200 (22.9134167d) Dec: -20 19 58.60 (-20.33294d) Equinox: J2000	Proper Motion RA: 163.5 mas/yr Proper Motion Dec: 5.5 mas/yr Epoch of Position: 2000.0		V=14.64+/-0.1 GALEX FUV=5621microJy GA LEX NUV=56microJy	Reference Frame: ICRS			
Comments: Default, Teff=19950K logg=7.88, DA Category=STAR Description=[DA] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/PEAK XD (COS.sa.101 3091)	(11) WD0129-205	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3091)	(11) WD0129-205	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3092)	(11) WD0129-205	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=3			500 Secs (500 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3092)	(11) WD0129-205	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			500 Secs (500 Secs) [==>]	[1]



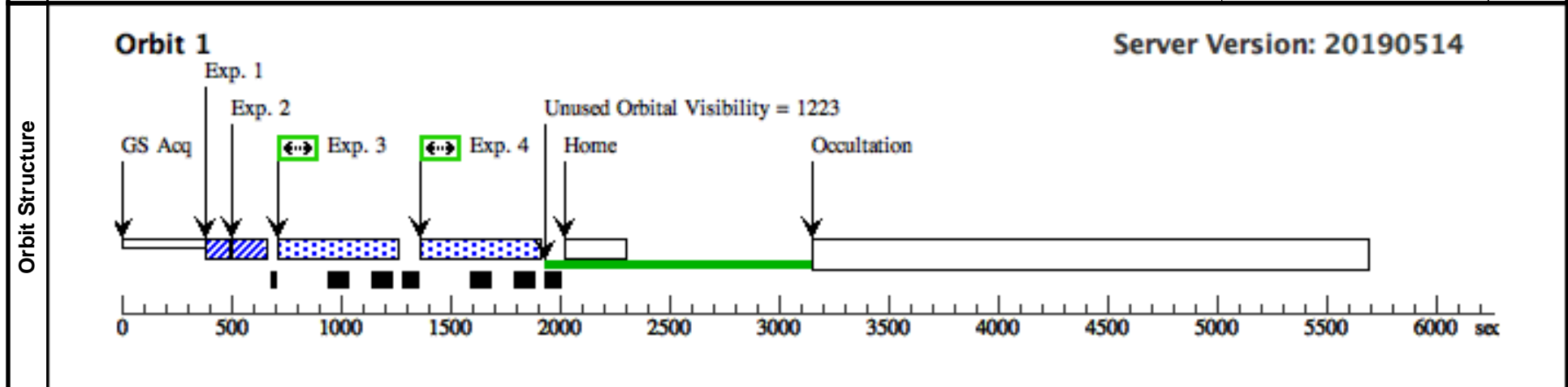
Proposal 16011 - WD0300-232 (16) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0300-232 (16), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	WD0300-232	RA: 03 02 36.6370 (45.6526542d) Dec: -23 01 51.23 (-23.03090d) Equinox: J2000	Proper Motion RA: 12.3 mas/yr Proper Motion Dec: -10.5 mas/yr Epoch of Position: 2000.0	V=15.682+/-0.026 GALEX FUV=14.44 GALEX N UV=14.93	Reference Frame: ICRS
	<i>Comments: Massive, Teff=22369K logg=8.39, DA</i>					
	<i>Category=STAR</i>					
	<i>Description=[DA]</i>					
	<i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3110)	(16) WD0300-232	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3110)	(16) WD0300-232	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3426)	(16) WD0300-232	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=3			500 Secs (500 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3426)	(16) WD0300-232	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			500 Secs (500 Secs) [==>]	[1]



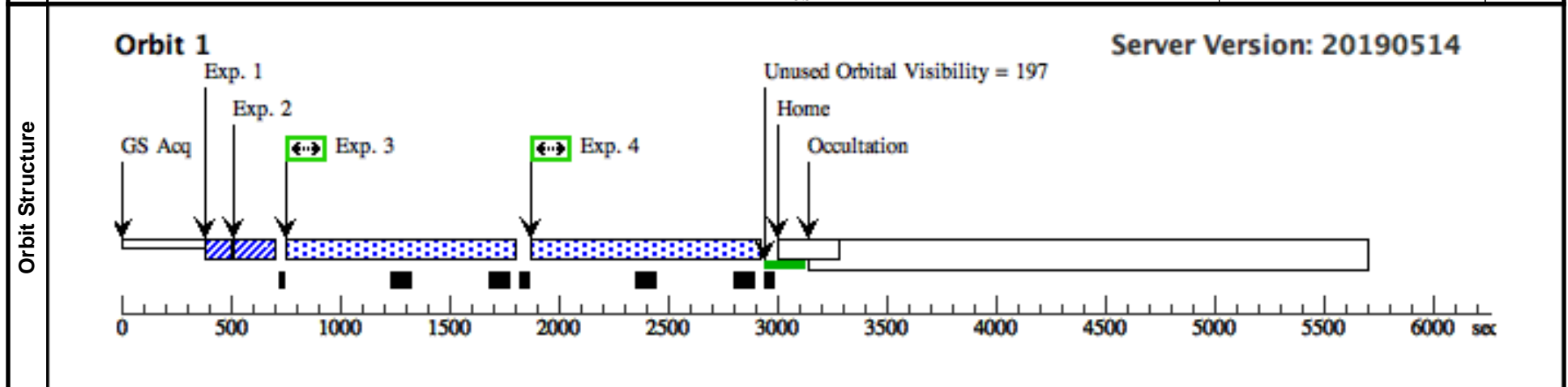
Proposal 16011 - WD0321-026 (17) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0321-026 (17), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(17)	WD0321-026	RA: 03 24 10.4890 (51.0437042d) Dec: -02 29 18.73 (-2.48854d) Equinox: J2000	Proper Motion RA: 18.7 mas/yr Proper Motion Dec: -10.1 mas/yr Epoch of Position: 2000.0	V=15.995+/-0.1 GALEX FUV=16.40 GALEX N UV=16.88	Reference Frame: ICRS
<i>Comments: Massive, Teff=27370K logg=8.45, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3111)	(17) WD0321-026	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				7 Secs (7 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3111)	(17) WD0321-026	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			7 Secs (7 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3430)	(17) WD0321-026	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3430)	(17) WD0321-026	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



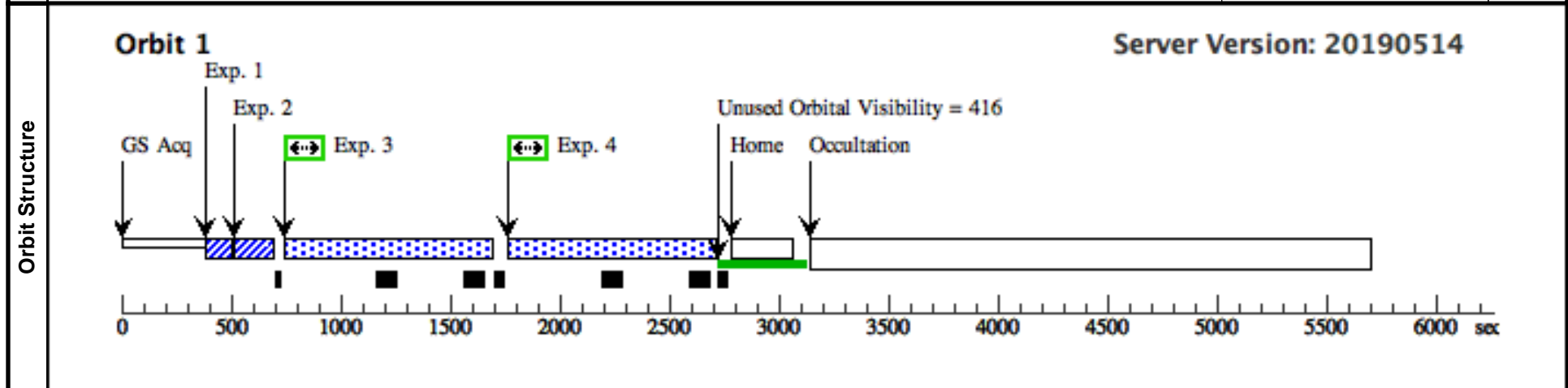
Proposal 16011 - WD0352+096 (20) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0352+096 (20), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	WD0352+096	RA: 03 55 21.9880 (58.8416167d) Dec: +09 47 18.06 (9.78835d) Equinox: J2000	Proper Motion RA: 170.6 mas/yr Proper Motion Dec: -2.1 mas/yr Epoch of Position: 2000.0	V=14.499+/-0.049 GALEX FUV=14.60 GALEX N UV=14.57, SWP24733L	Reference Frame: ICRS
<i>Comments: Massive, Teff=14550K logg=8.31, DA</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3113)	(19) WD0352+096	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3113)	(19) WD0352+096	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3437)	(19) WD0352+096	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=3			900 Secs (900 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3437)	(19) WD0352+096	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=4			900 Secs (900 Secs) [==>]	[1]



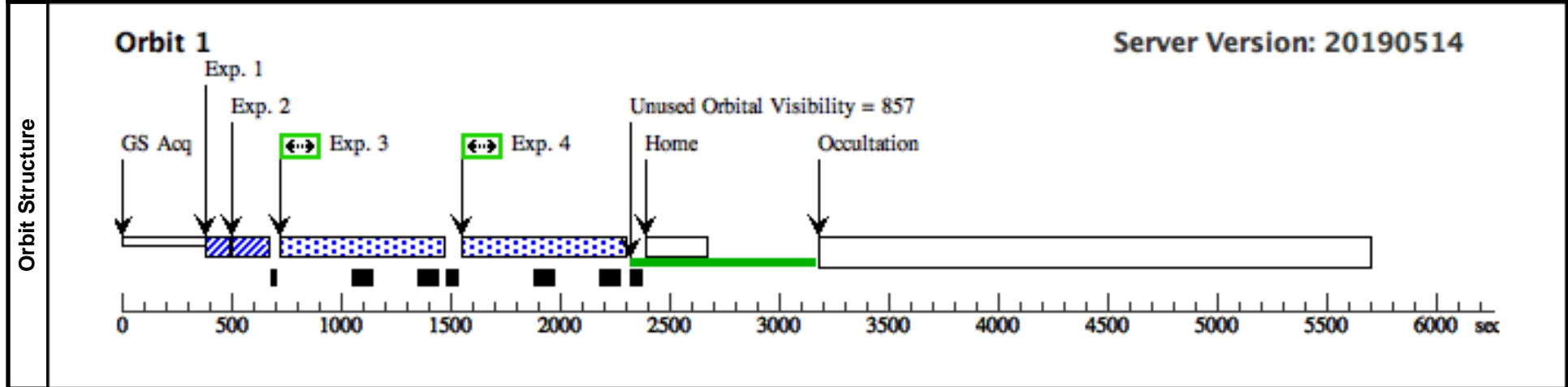
Proposal 16011 - WD0416+334 (21) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0416+334 (21), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(21)	WD0416+334	RA: 04 20 11.2010 (65.0466708d) Dec: +33 35 37.06 (33.59363d) Equinox: J2000	Proper Motion RA: 79.9 mas/yr Proper Motion Dec: -176.6 mas/yr Epoch of Position: 2000.0	V=15.214+/-0.1 GALEX FUV=99 GALEX NUV=15.08	Reference Frame: ICRS
	<i>Comments: Wide binary, Teff=17700K logg=7.9, DA + MSV (V=18.5), 68"</i>					
	Category=STAR Description=[DA] Extended=NO					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3115)	(21) WD0416+334	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3115)	(21) WD0416+334	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
	3	FP-POS3 XD (COS.sp.101 3443)	(21) WD0416+334	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=3			700 Secs (700 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3443)	(21) WD0416+334	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=4			700 Secs (700 Secs) [==>]	[1]



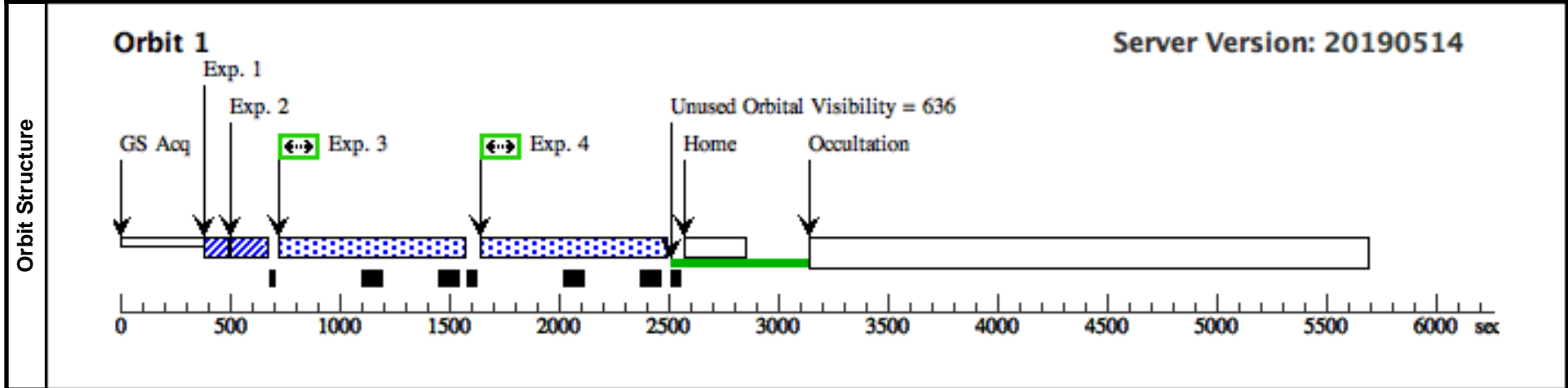
Proposal 16011 - WD0503+147 (23) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0503+147 (23), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(23)	WD0503+147	RA: 05 06 15.8220 (76.5659250d) Dec: +14 48 30.20 (14.80839d) Equinox: J2000	Proper Motion RA: 0.7 mas/yr Proper Motion Dec: -87.0 mas/yr Epoch of Position: 2000.0	V=14.118+/-0.012 GALEX FUV=14.48 GALEX N UV=14.59	Reference Frame: ICRS
<i>Comments: DBA, Teff=15640K logg=8.09</i>					
<i>Category=STAR</i>					
<i>Description=[DB]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3117)	(23) WD0503+147	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3117)	(23) WD0503+147	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3448)	(23) WD0503+147	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=3			800 Secs (800 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3448)	(23) WD0503+147	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=4			800 Secs (800 Secs) [==>]	[1]



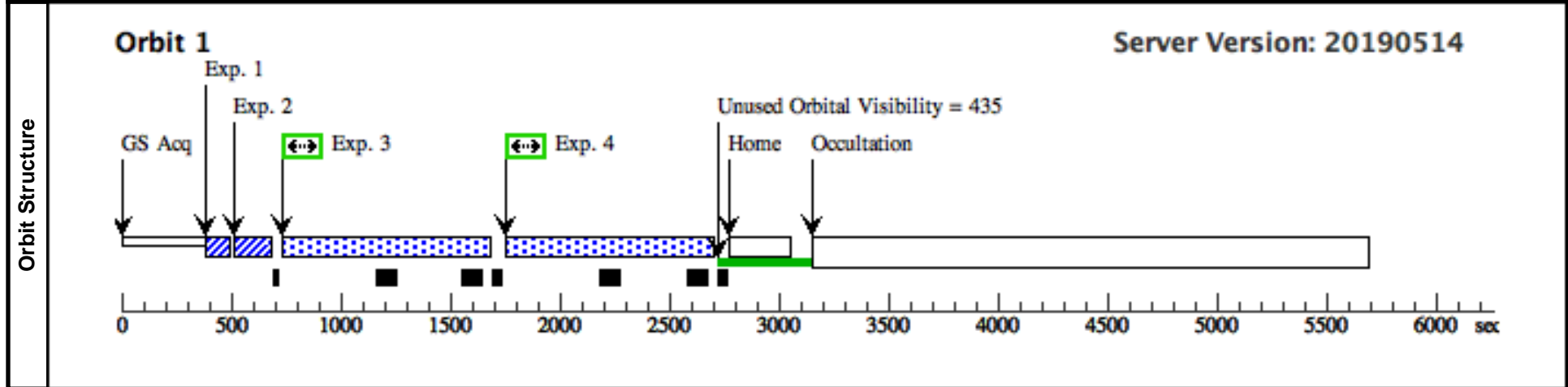
Proposal 16011 - WD0558+165 (26) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0558+165 (26), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(26)	WD0558+165	RA: 06 01 17.7200 (90.3238333d) Dec: +16 31 36.81 (16.52689d) Equinox: J2000	Proper Motion RA: -46.1 mas/yr Proper Motion Dec: -37.2 mas/yr Epoch of Position: 2000.0	V=15.597+/-0.014 GALEX FUV=99 GALEX NUV=99	Reference Frame: ICRS
<i>Comments: Massive, Teff=17210K logg=8.42, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3121)	(26) WD0558+165	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				4 Secs (4 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3121)	(26) WD0558+165	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			4 Secs (4 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3454)	(26) WD0558+165	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=3			900 Secs (900 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3454)	(26) WD0558+165	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=4			900 Secs (900 Secs) [==>]	[1]



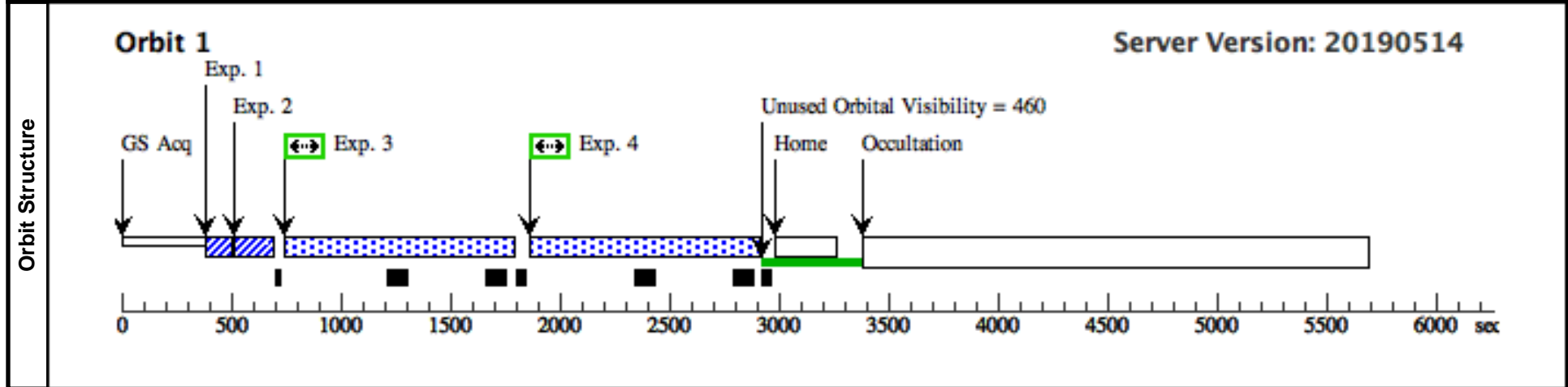
Proposal 16011 - WD0701-587 (29) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0701-587 (29), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(29)	WD0701-587	RA: 07 02 19.7250 (105.5821875d) Dec: -58 50 8.98 (-58.83583d) Equinox: J2000	Proper Motion RA: -36.7 mas/yr Proper Motion Dec: 203.2 mas/yr Epoch of Position: 2000.0	V=14.534+/-0.018 GALEX FUV=99 GALEX NUV=99	Reference Frame: ICRS
<i>Comments: Massive, T<sub>eff</sub>=14550K logg=8.56, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3124)	(29) WD0701-587	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3124)	(29) WD0701-587	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3465)	(29) WD0701-587	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3465)	(29) WD0701-587	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



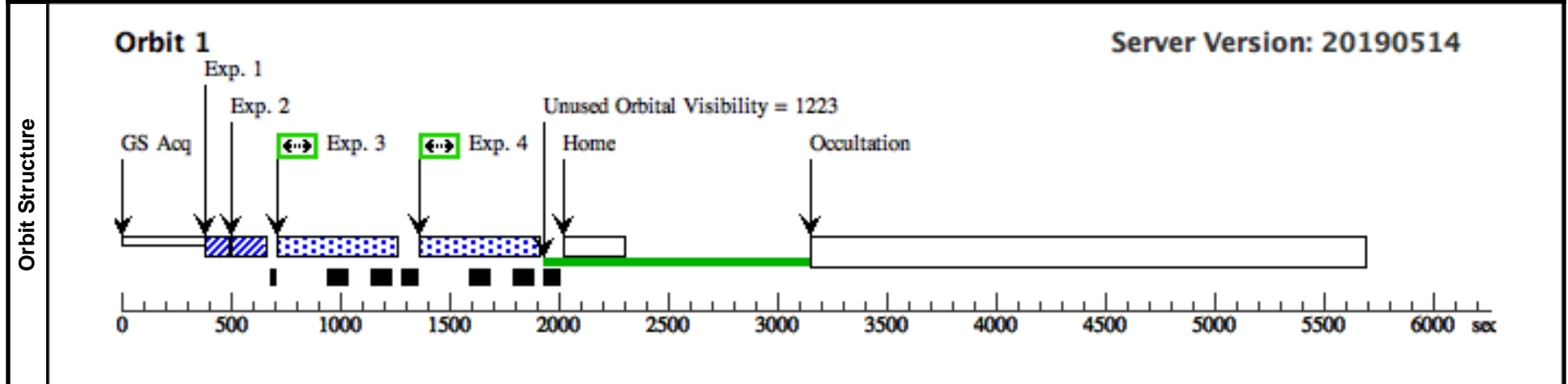
Proposal 16011 - APASSJ083857.48-214611.0 (35) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, APASSJ083857.48-214611.0 (35), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(35)	APASSJ083857.48-214611.0	RA: 08 38 57.4680 (129.7394500d) Dec: -21 46 11.95 (-21.76999d) Equinox: J2000	Proper Motion RA: -24.5 mas/yr Proper Motion Dec: 35.4 mas/yr Epoch of Position: 2000.0	V=14.99+/-0.1 GALEX FUV=14.18 GALEX N UV=14.52	Reference Frame: ICRS
	<i>Comments: APASS, Teff=21990K logg=7.95, DA</i>					
	<i>Category=STAR</i> <i>Description=[DA]</i> <i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 2998)	(35) APASSJ083857.48-214611.0	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 2998)	(35) APASSJ083857.48-214611.0	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 2999)	(35) APASSJ083857.48-214611.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=3			500 Secs (500 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3053)	(35) APASSJ083857.48-214611.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			500 Secs (500 Secs) [==>]	[1]



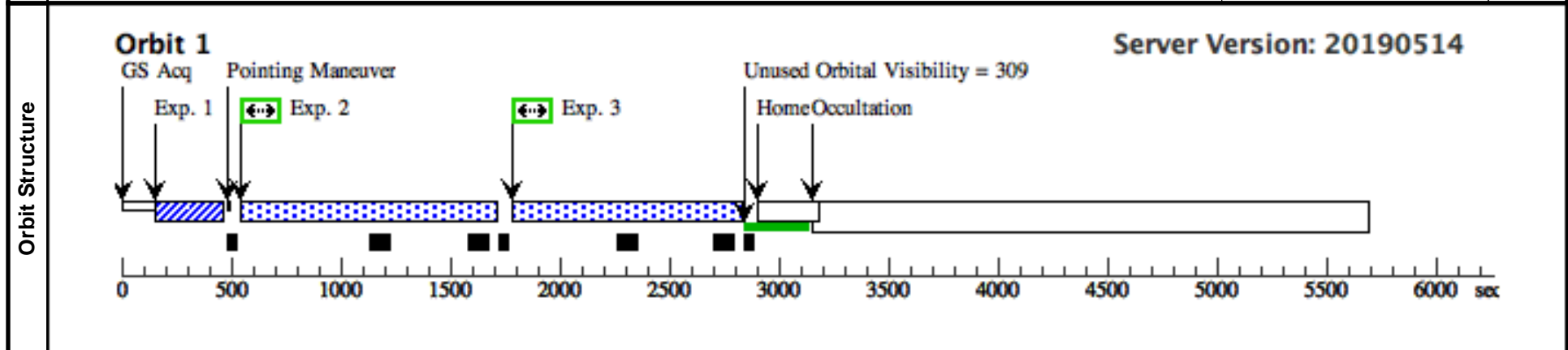
Proposal 16011 - WD0845-188 (36) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0845-188 (36), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(36)	WD0845-188	RA: 08 47 29.4290 (131.8726208d) Dec: -18 59 49.78 (-18.99716d) Equinox: J2000	Proper Motion RA: -188.4 mas/yr Proper Motion Dec: 30.7 mas/yr Epoch of Position: 2000.0	V=15.68+/-0.03 GALEX FUV=15.65 GALEX N UV=15.30, SWP28389L	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=17470K logg=8.15, DB + K4V (TYC 6020-1448-1, V=11.23), 30.2"</i>					
Category=STAR Description=[DA] Extended=NO					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/Image (COS.ta.102 1249)	(36) WD0845-188	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				9 Secs (9 Secs) [==>]	[1]
2	FP-POS3 (COS.sp.101 3473)	(36) WD0845-188	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
3	FP-POS4 (COS.sp.101 3473)	(36) WD0845-188	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



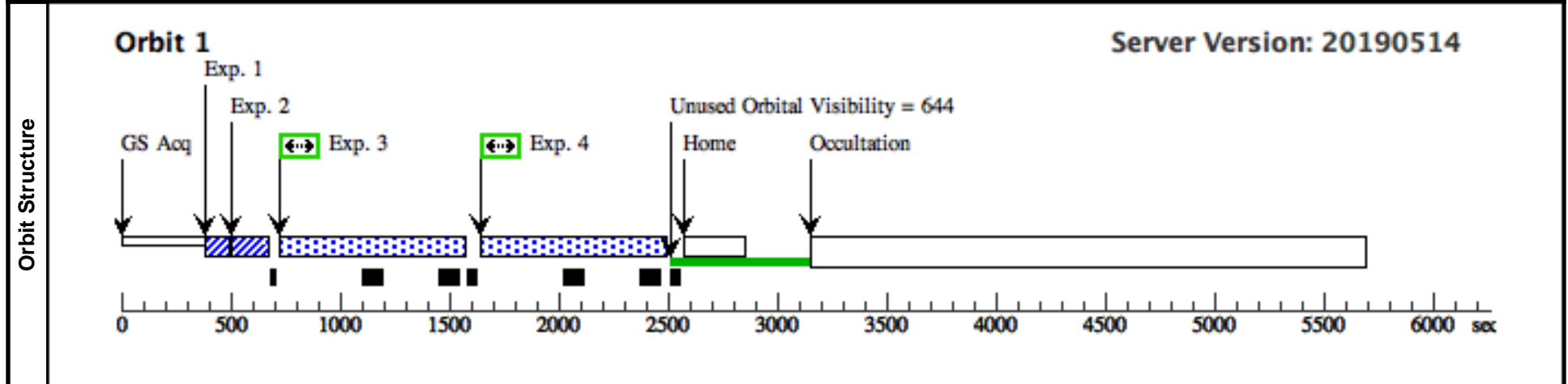
Proposal 16011 - APASSJ090515.04-234257.2 (40) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, APASSJ090515.04-234257.2 (40), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(40)	APASSJ090515.04-234257.2	RA: 09 05 15.0690 (136.3127875d) Dec: -23 42 57.42 (-23.71595d) Equinox: J2000	Proper Motion RA: -34.4 mas/yr Proper Motion Dec: 29.9 mas/yr Epoch of Position: 2000.0	V=15.35+/-0.1 GALEX FUV=14.96 GALEX N UV=15.15	Reference Frame: ICRS
<i>Comments: APASS, Teff=18270K logg=7.75, DA</i>						
<i>Category=STAR</i>						
<i>Description=[DA]</i>						
<i>Extended=NO</i>						

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	ACQ/PEAK XD (COS.sa.101 3006)	(40) APASSJ090515.04-234257.2	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]
2		ACQ/PEAK D (COS.sa.101 3006)	(40) APASSJ090515.04-234257.2	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3		FP-POS3 (COS.sp.101 3007)	(40) APASSJ090515.04-234257.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=3			800 Secs (800 Secs) [==>]	[1]
4		FP-POS4 (COS.sp.101 3007)	(40) APASSJ090515.04-234257.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=4			800 Secs (800 Secs) [==>]	[1]



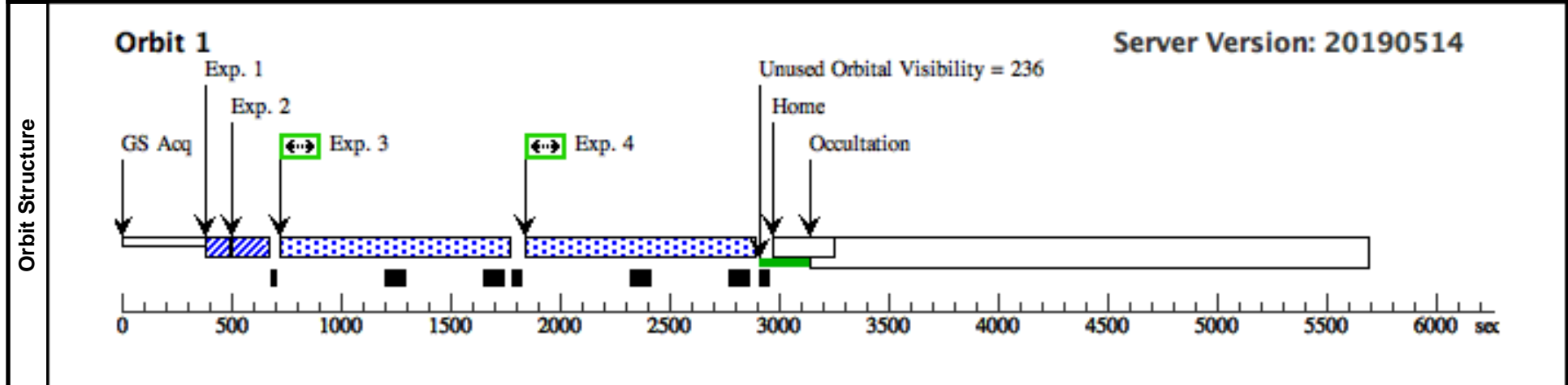
Proposal 16011 - SDSSJ090823.14+124703.9 (41) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	Proposal 16011, SDSSJ090823.14+124703.9 (41), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(41)	SDSSJ090823.14+124703.9	RA: 09 08 23.1420 (137.0964250d) Dec: +12 47 4.19 (12.78450d) Equinox: J2000	Proper Motion RA: -5.5 mas/yr Proper Motion Dec: -14.9 mas/yr Epoch of Position: 2000.0	V=17.278+/-0.1 GALEX FUV=15.65 GALEX N UV=16.25	Reference Frame: ICRS
<i>Comments: Magnetic, Teff=66229K logg=7.58, DAH</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3058)	(41) SDSSJ090823.1 4+124703.9	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3058)	(41) SDSSJ090823.1 4+124703.9	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 4158)	(41) SDSSJ090823.1 4+124703.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 4158)	(41) SDSSJ090823.1 4+124703.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



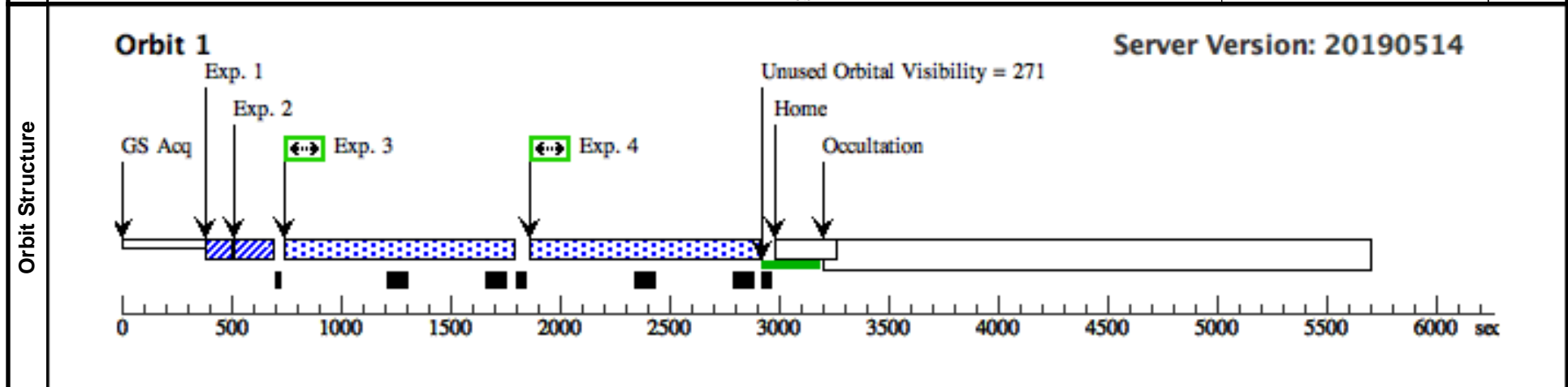
Proposal 16011 - WD0920+375 (42) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0920+375 (42), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(42)	WD0920+375	RA: 09 23 36.2280 (140.9009500d) Dec: +37 17 55.82 (37.29884d) Equinox: J2000	Proper Motion RA: -42.9 mas/yr Proper Motion Dec: -40.1 mas/yr Epoch of Position: 2000.0	V=16.5+/-0.1 GALEX FUV=99 GALEX NUV=99	Reference Frame: ICRS
	<i>Comments: Massive, Teff=19250K logg=8.47, DA</i>					
	<i>Category=STAR</i>					
	<i>Description=[DA]</i>					
	<i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3134)	(42) WD0920+375	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3134)	(42) WD0920+375	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3576)	(42) WD0920+375	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3576)	(42) WD0920+375	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



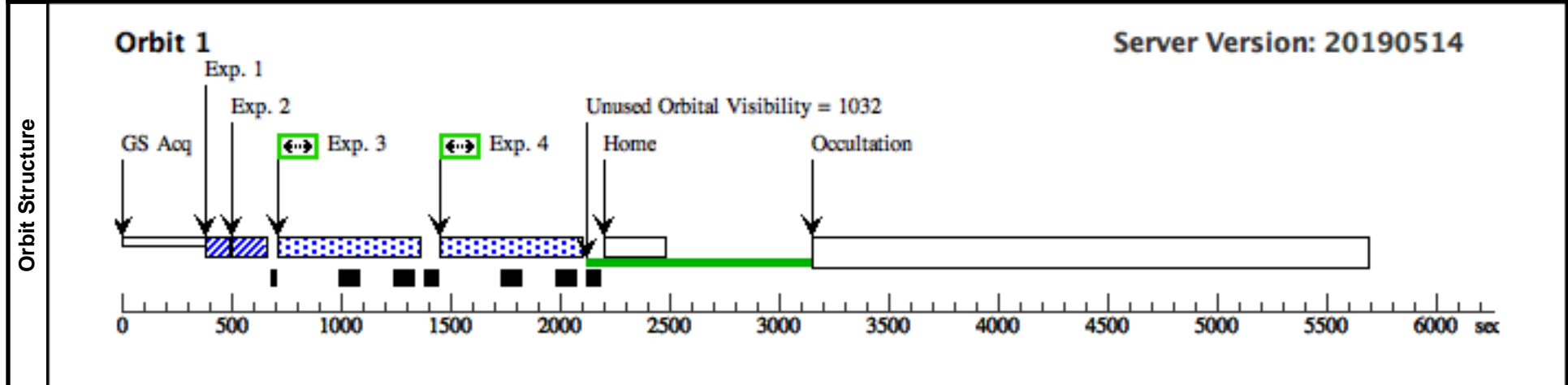
Proposal 16011 - WD0922+162A (43) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0922+162A (43), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(43)	WD0922+162A	RA: 09 25 13.4810 (141.3061708d) Dec: +16 01 44.15 (16.02893d) Equinox: J2000	Proper Motion RA: -40.5 mas/yr Proper Motion Dec: -32.2 mas/yr Epoch of Position: 2000.0	V=16.01+/-0.02 GALEX FUV=14.72 GALEX N UV=15.15	Reference Frame: ICRS
	<i>Comments: Wide binary, Teff=25783K logg=9.039, DA+DA, ~5"</i>					
	Category=STAR Description=[DA] Extended=NO					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3135)	(43) WD0922+162A	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3135)	(43) WD0922+162A	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
	3	FP-POS3 XD (COS.sp.101 3578)	(43) WD0922+162A	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3578)	(43) WD0922+162A	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



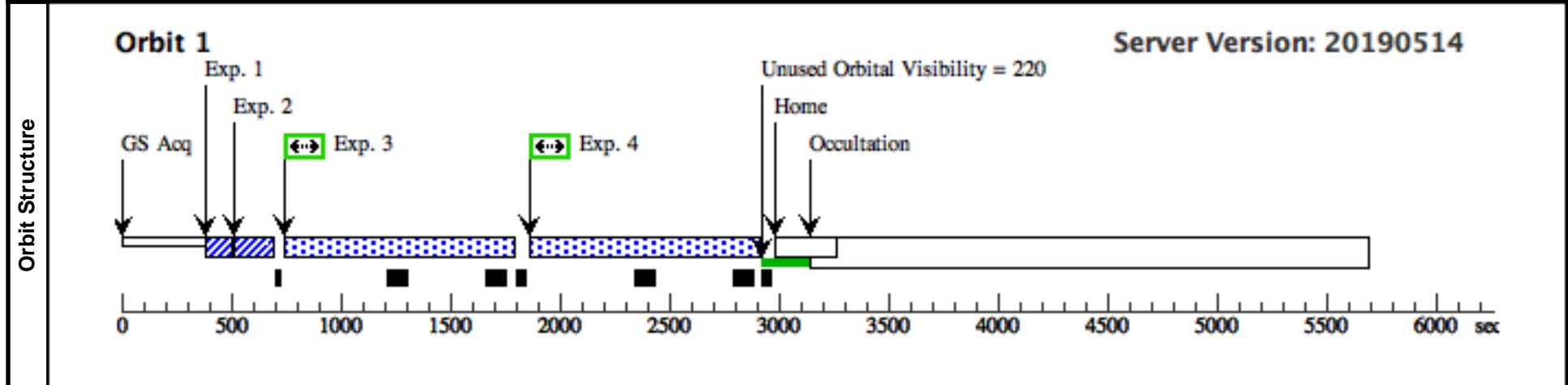
Proposal 16011 - WD0937-103 (46) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0937-103 (46), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(46)	WD0937-103	RA: 09 40 11.8890 (145.0495375d) Dec: -10 34 24.67 (-10.57352d) Equinox: J2000	Proper Motion RA: -32.7 mas/yr Proper Motion Dec: -61.0 mas/yr Epoch of Position: 2000.0	V=15.992+/-0.03 GALEX FUV=99 GALEX NUV=99	Reference Frame: ICRS
<i>Comments: Massive, Teff=17562K logg=8.5, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3138)	(46) WD0937-103	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3138)	(46) WD0937-103	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3586)	(46) WD0937-103	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3586)	(46) WD0937-103	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



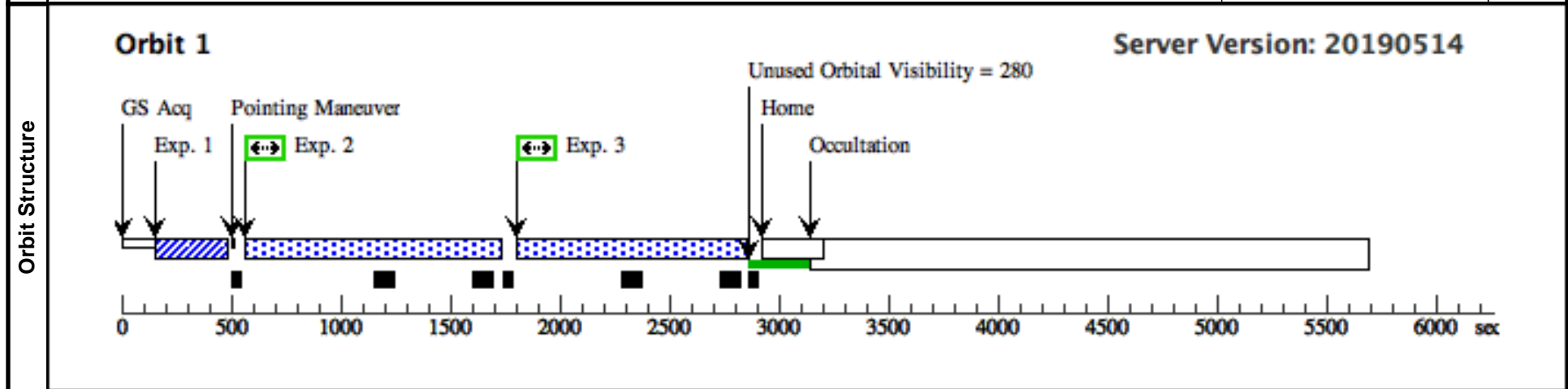
Proposal 16011 - WD0943+140 (47) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0943+140 (47), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(47)	WD0943+140	RA: 09 46 31.5980 (146.6316583d) Dec: +13 47 35.89 (13.79330d) Equinox: J2000	Proper Motion RA: -13.8 mas/yr Proper Motion Dec: 0.7 mas/yr Epoch of Position: 2000.0	V=16.286+/-0.1 GALEX FUV=16.00 GALEX N UV=16.15	Reference Frame: ICRS
<i>Comments: Massive, Teff=17605K logg=8.57, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/Image (COS.ta.101 7581)	(47) WD0943+140	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20 Secs (20 Secs) [==>]	[1]
2	FP-POS3 (COS.sp.101 3590)	(47) WD0943+140	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
3	FP-POS4 (COS.sp.101 3590)	(47) WD0943+140	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



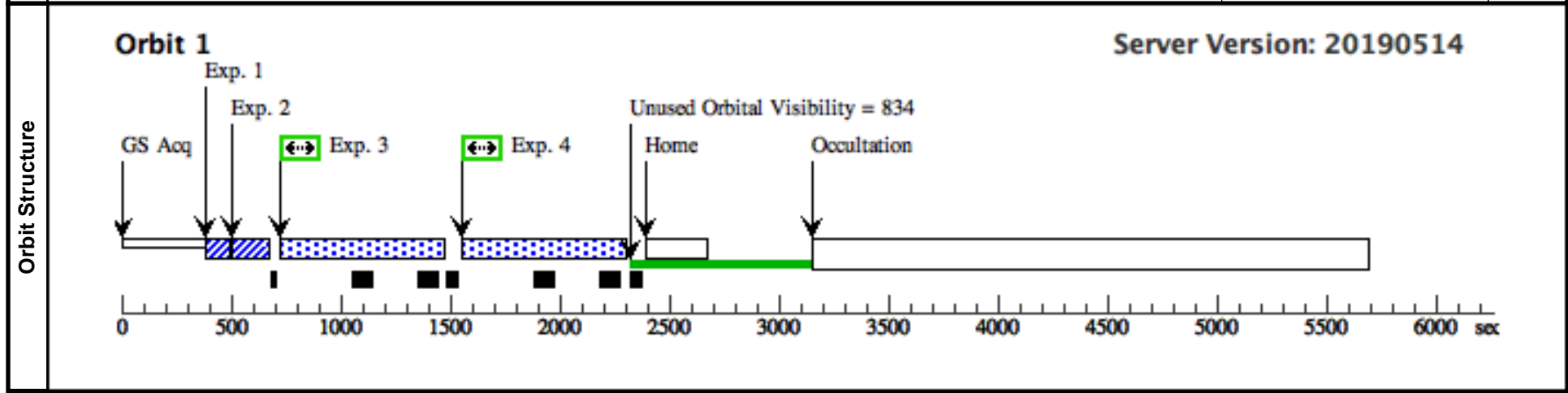
Proposal 16011 - WD0945+245 (48) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD0945+245 (48), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(48)	WD0945+245	RA: 09 48 46.6420 (147.1943417d) Dec: +24 21 25.88 (24.35719d) Equinox: J2000	Proper Motion RA: -65.1 mas/yr Proper Motion Dec: -106.4 mas/yr Epoch of Position: 2000.0	V=14.245+/-0.016 GALEX FUV=14.48 GALEX N UV=13.96, SWP46139L	Reference Frame: ICRS
<i>Comments: Wide binary, T<sub>eff</sub>=16000K logg=8.4, DA+DXP, SWP46139L, F(1300A)=4e-14</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

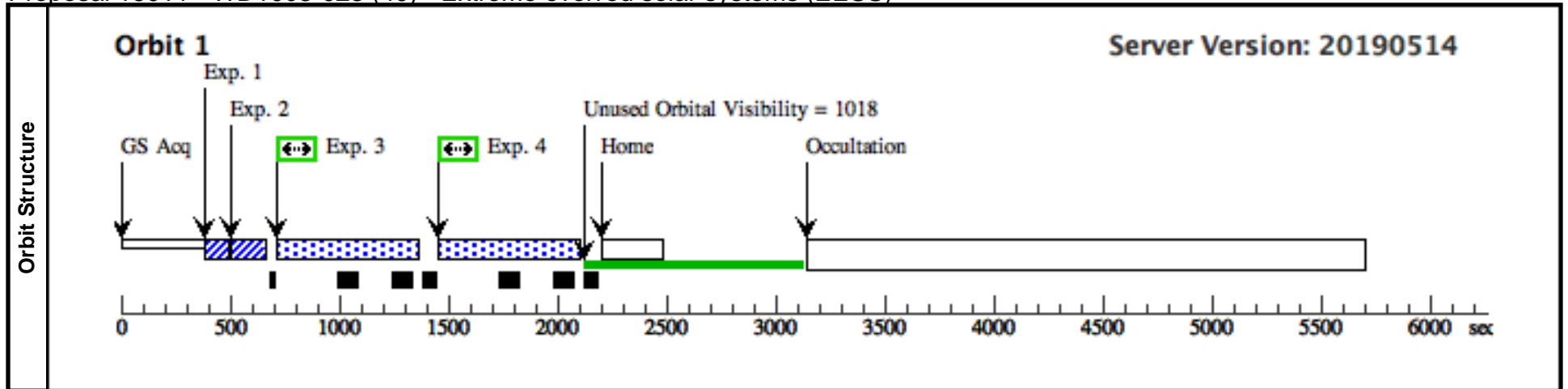
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3141)	(48) WD0945+245	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3141)	(48) WD0945+245	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3592)	(48) WD0945+245	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=3			700 Secs (700 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3592)	(48) WD0945+245	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=4			700 Secs (700 Secs) [==>]	[1]



Proposal 16011 - WD1003-023 (49) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1003-023 (49), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV Special Requirements: (none)									
	(WD1003-023 (49)) Warning (Form): If the target position is not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(49)	WD1003-023	RA: 10 05 51.5100 (151.4646250d) Dec: -02 34 17.80 (-2.57161d) Equinox: J2000	Proper Motion RA: -113.1 mas/yr Proper Motion Dec: 47.1 mas/yr Epoch of Position: 2000.0	V=15.43+/-0.1 GALEX FUV=14.59 GALEX N UV=14.86	Reference Frame: ICRS				
<i>Comments: Default, Teff=20340K logg=7.95, DA Category=STAR Description=[DA] Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/PEAK XD (COS.sa.101 3142)	(49) WD1003-023	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3142)	(49) WD1003-023	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3595)	(49) WD1003-023	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3595)	(49) WD1003-023	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



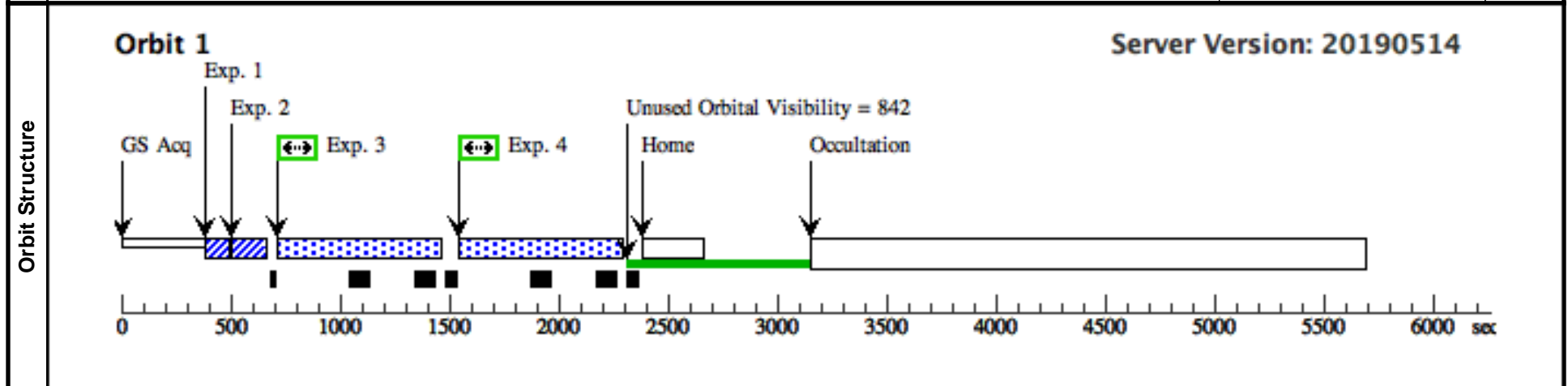
Proposal 16011 - APASSJ101047.80-242711.6 (50) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, APASSJ101047.80-242711.6 (50), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(50)	APASSJ101047.80-242711.6	RA: 10 10 47.9140 (152.6996417d) Dec: -24 27 10.95 (-24.45304d) Equinox: J2000	Proper Motion RA: -115.4 mas/yr Proper Motion Dec: -58.8 mas/yr Epoch of Position: 2000.0	V=15.09+/-0.1 GALEX FUV=14.83 GALEX N UV=14.73	Reference Frame: ICRS
<i>Comments: APASS, Teff=20370K logg=8,DH</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3008)	(50) APASSJ101047 .80-242711.6	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3008)	(50) APASSJ101047 .80-242711.6	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3009)	(50) APASSJ101047 .80-242711.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=3			700 Secs (700 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3009)	(50) APASSJ101047 .80-242711.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=4			700 Secs (700 Secs) [==>]	[1]



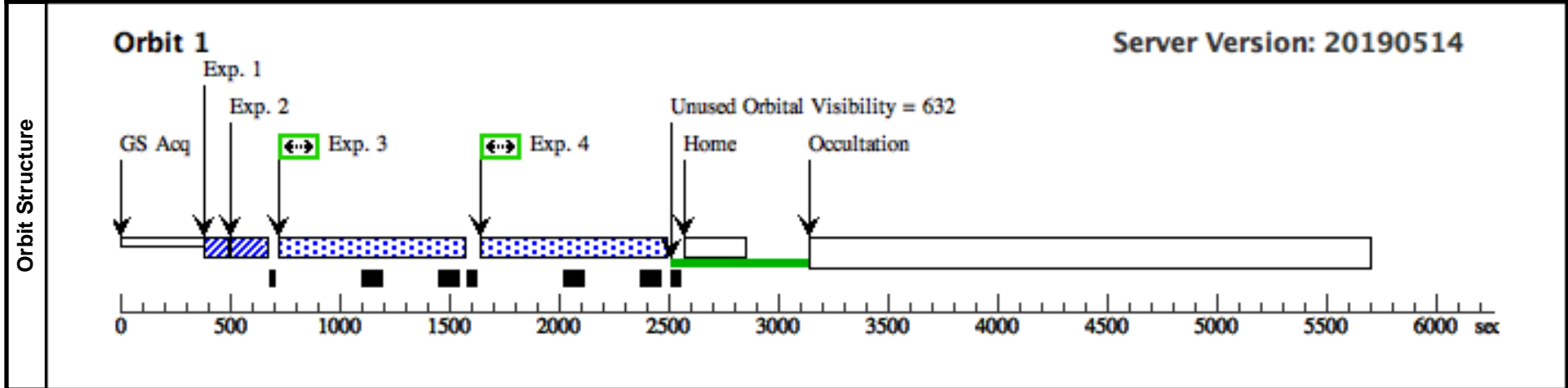
Proposal 16011 - WD1015+076 (51) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:10 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1015+076 (51), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(51)	WD1015+076	RA: 10 18 1.6440 (154.5068500d) Dec: +07 21 23.62 (7.35656d) Equinox: J2000	Proper Motion RA: -6.8 mas/yr Proper Motion Dec: -24.2 mas/yr Epoch of Position: 2000.0	V=15.385+/-0.02 GALEX FUV=15.26 GALEX N UV=15.76	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=27375K logg=7.728, DA + M3V (V=16.6), 48"</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3143)	(51) WD1015+076	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3143)	(51) WD1015+076	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3597)	(51) WD1015+076	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=3			800 Secs (800 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3597)	(51) WD1015+076	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=4			800 Secs (800 Secs) [==>]	[1]



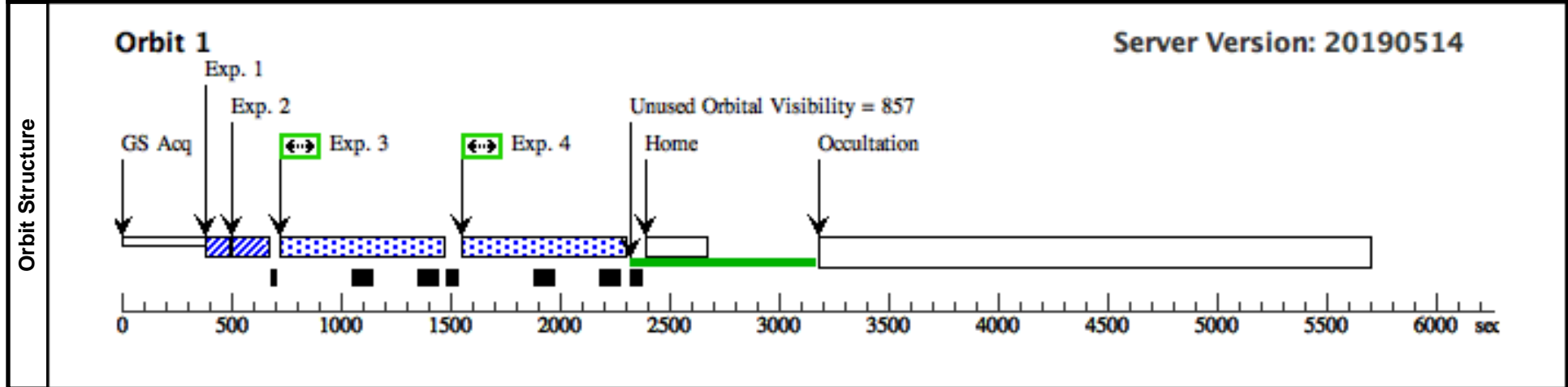
Proposal 16011 - WD1016-308 (52) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1016-308 (52), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(52)	WD1016-308	RA: 10 18 39.8450 (154.6660208d) Dec: -31 08 2.07 (-31.13391d) Equinox: J2000	Proper Motion RA: -191.0 mas/yr Proper Motion Dec: 74.1 mas/yr Epoch of Position: 2000.0	V=14.64+/-0.1 GALEX FUV=14.6 GALEX N UV=14.5	Reference Frame: ICRS
<i>Comments: Default, Tef=16340K logg=8.10, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3146)	(52) WD1016-308	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3146)	(52) WD1016-308	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3600)	(52) WD1016-308	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=3			700 Secs (700 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3600)	(52) WD1016-308	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=29 5; FLASH=YES; FP-POS=4			700 Secs (700 Secs) [==>]	[1]



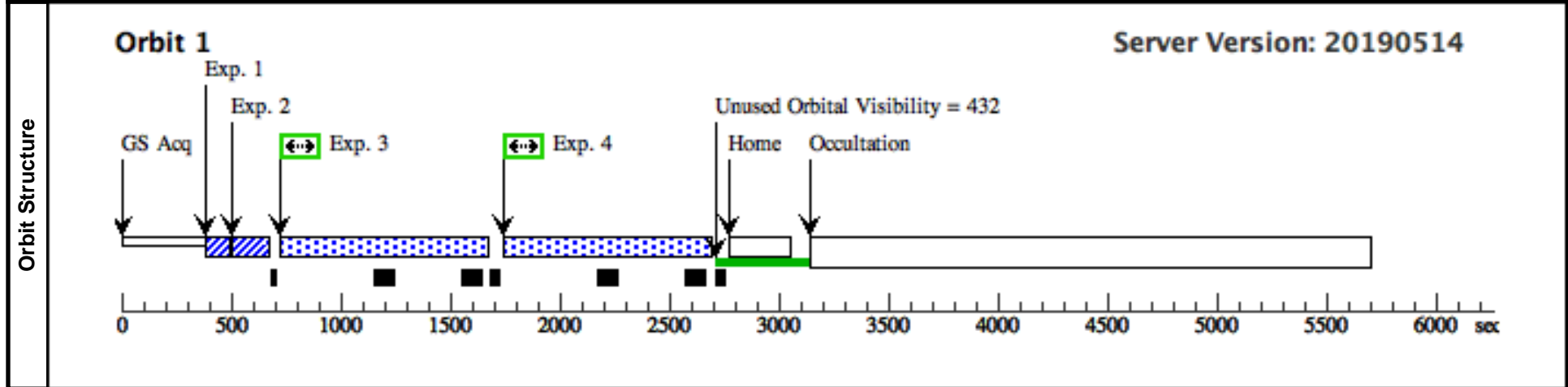
Proposal 16011 - WD1036+085 (55) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1036+085 (55), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(55)	WD1036+085	RA: 10 39 7.3660 (159.7806917d) Dec: +08 18 41.04 (8.31140d) Equinox: J2000	Proper Motion RA: 3.6 mas/yr Proper Motion Dec: -48.0 mas/yr Epoch of Position: 2000.0	V=16.359+/-0.07 GALEX FUV=15.47 GALEX N UV=15.86	Reference Frame: ICRS
<i>Comments: Low mass, Teff=23200K logg=7.52, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3150)	(55) WD1036+085	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3150)	(55) WD1036+085	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3611)	(55) WD1036+085	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=3			900 Secs (900 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3611)	(55) WD1036+085	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=4			900 Secs (900 Secs) [==>]	[1]



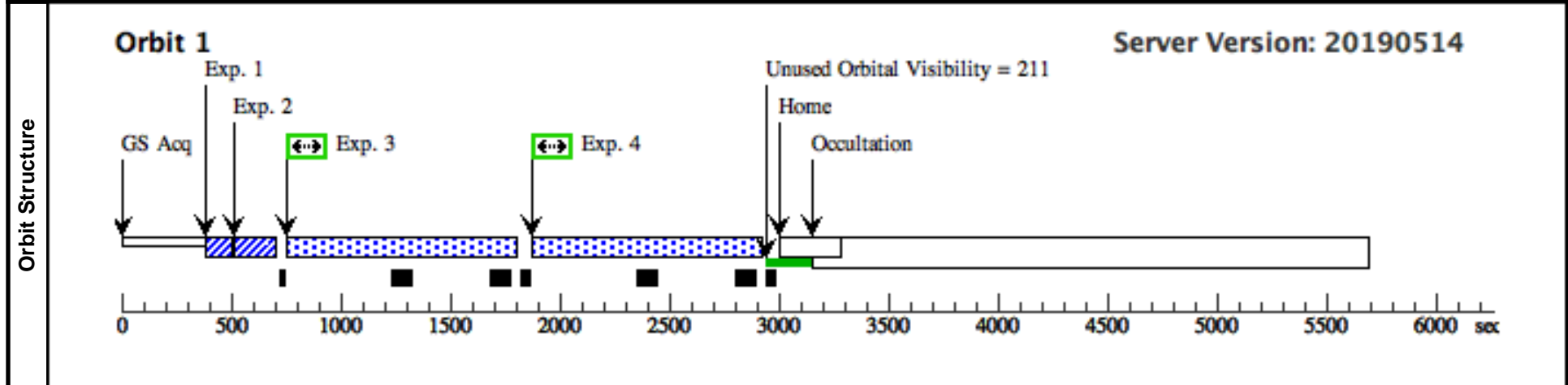
Proposal 16011 - SDSSJ110136.86+174155.90 (57) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, SDSSJ110136.86+174155.90 (57), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(57)	SDSSJ110136.86+174155.90	RA: 11 01 36.8440 (165.4035167d) Dec: +17 41 56.02 (17.69889d) Equinox: J2000	Proper Motion RA: 5.0 mas/yr Proper Motion Dec: -3.2 mas/yr Epoch of Position: 2000.0	V=16.655+/-0.05 GALEX FUV=16.09 GALEX N UV=16.38	Reference Frame: ICRS
	<i>Comments: Massive, Teff=19252K logg=8.69, DA</i>					
	<i>Category=STAR</i> <i>Description=[DA]</i> <i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3061)	(57) SDSSJ110136.86+174155.90	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				7 Secs (7 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3061)	(57) SDSSJ110136.86+174155.90	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			7 Secs (7 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 4155)	(57) SDSSJ110136.86+174155.90	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5;	FLASH=YES; FP-POS=3		1000 Secs (1000 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 4155)	(57) SDSSJ110136.86+174155.90	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5;	FLASH=YES; FP-POS=4		1000 Secs (1000 Secs) [==>]	[1]



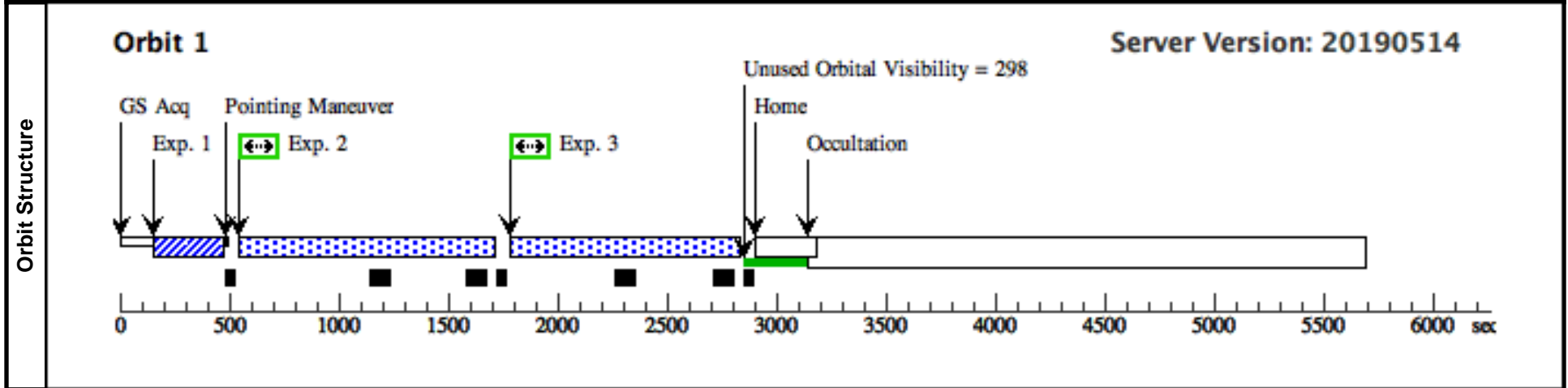
Proposal 16011 - WD1130-125 (63) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1130-125 (63), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(63)	WD1130-125	RA: 11 33 19.4050 (173.3308542d) Dec: -12 49 1.56 (-12.81710d) Equinox: J2000	Proper Motion RA: -93.8 mas/yr Proper Motion Dec: -56.2 mas/yr Epoch of Position: 2000.0	V=15.618+/-0.216 GALEX FUV=15.67 GALEX N UV=15.55	Reference Frame: ICRS
<i>Comments: Massive, Teff=14780K logg=8.38, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/Image (COS.ta.101 7584)	(63) WD1130-125	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				11 Secs (11 Secs) [==>]	[1]
2	FP-POS3 (COS.sp.101 3631)	(63) WD1130-125	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
3	FP-POS4 (COS.sp.101 3631)	(63) WD1130-125	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



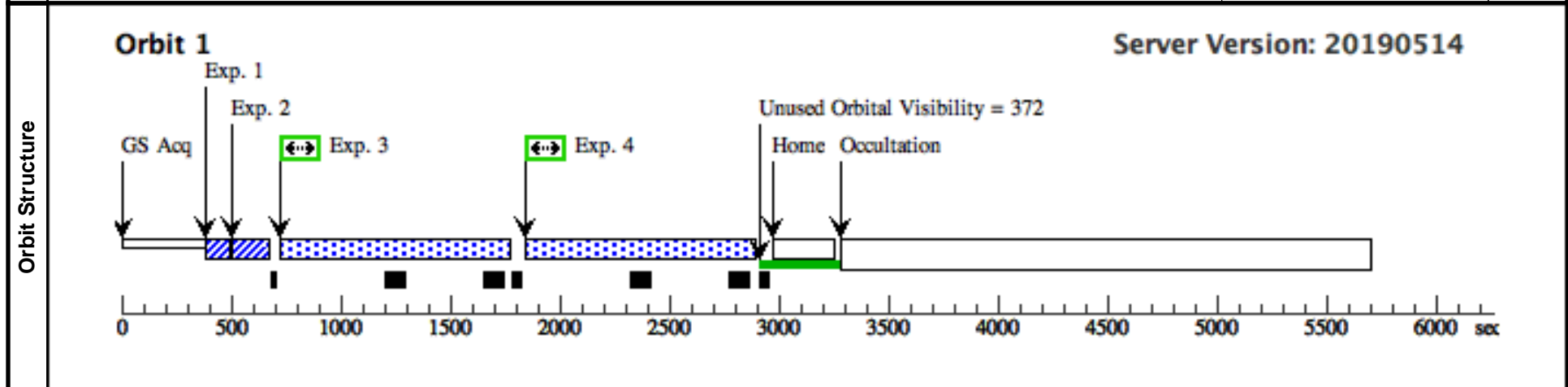
Proposal 16011 - WD1132+470 (64) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1132+470 (64), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(64)	WD1132+470	RA: 11 34 48.8430 (173.7035125d) Dec: +46 48 35.90 (46.80997d) Equinox: J2000	Proper Motion RA: -152.1 mas/yr Proper Motion Dec: -92.9 mas/yr Epoch of Position: 2000.0	V=16.3+/-0.1 GALEX FUV=15.5 GALEX N UV=15.9	Reference Frame: ICRS
	<i>Comments: Massive, Teff=28160K logg=8.96, DA</i>					
	<i>Category=STAR</i>					
	<i>Description=[DA]</i>					
	<i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3159)	(64) WD1132+470	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3159)	(64) WD1132+470	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3626)	(64) WD1132+470	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3626)	(64) WD1132+470	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



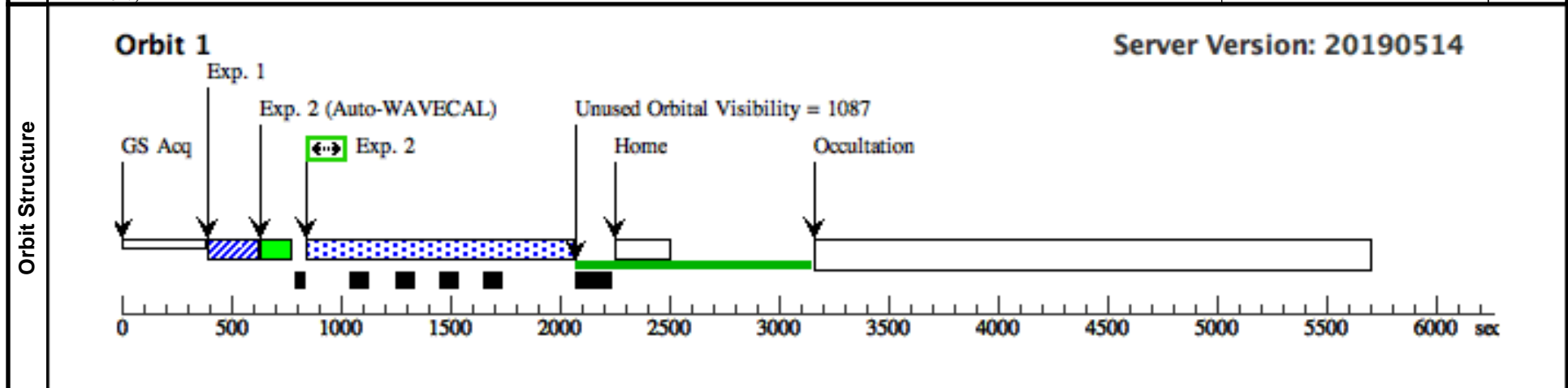
Proposal 16011 - WD1134+300 (65) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1134+300 (65), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: Too bright for COS/G130M, switched to STIS/E140M</i>				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(65)	WD1134+300	RA: 11 37 5.1100 (174.2712917d) Dec: +29 47 58.30 (29.79953d) Equinox: J2000	Proper Motion RA: -146.5 mas/yr Proper Motion Dec: -8.5 mas/yr Epoch of Position: 2000.0	V=12.474+/-0.027 GALEX FUV=12.0 GALEX N UV=12.4, SWP18996L	Reference Frame: ICRS
<i>Comments: Massive, Teff=21280K logg=8.55, DA</i> Category=STAR Description=[DA] Extended=NO					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	STIS/ACQ (STIS.ta.102 1631)	(65) WD1134+300	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			1 Secs (1 Secs) [==>]	[1]
2	STIS/E140 M (STIS.sp.10 21627)	(65) WD1134+300	STIS/FUV-MAMA, TIME-TAG, 0.2X0.2	E140M 1425 A	BUFFER-TIME=20 0			1200 Secs (1200 Secs) [==>]	[1]



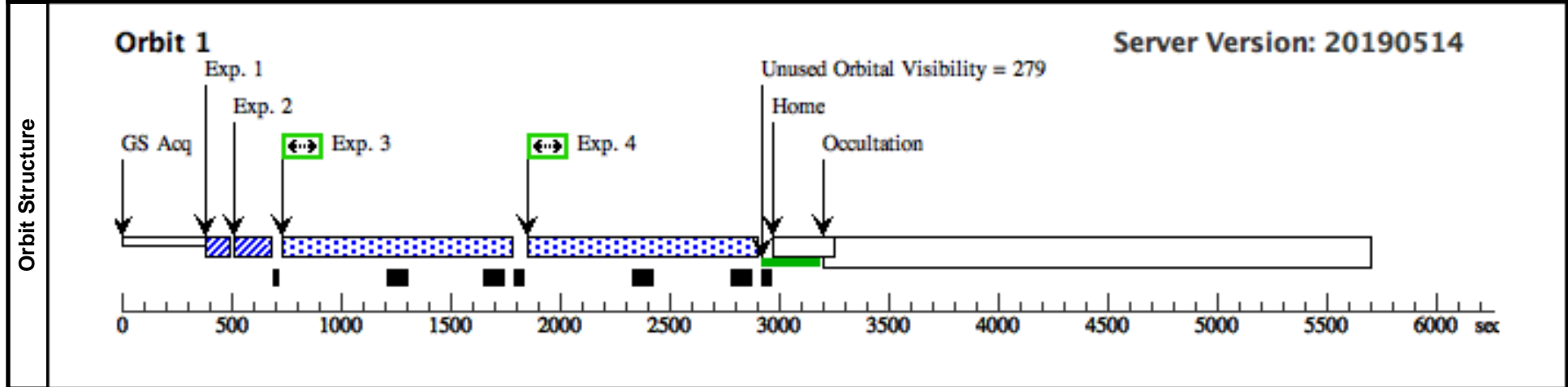
Proposal 16011 - WD1152+371 (66) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1152+371 (66), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(66)	WD1152+371	RA: 11 54 58.8220 (178.7450917d) Dec: +36 50 54.60 (36.84850d) Equinox: J2000	Proper Motion RA: -42.5 mas/yr Proper Motion Dec: 6.9 mas/yr Epoch of Position: 2000.0	V=16.8+/-0.1 GALEX FUV=15.8 GALEX N UV=16.2	Reference Frame: ICRS
<i>Comments: Massive, Teff=27420K logg=9.14, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3166)	(66) WD1152+371	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				4 Secs (4 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3166)	(66) WD1152+371	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			4 Secs (4 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3633)	(66) WD1152+371	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3633)	(66) WD1152+371	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



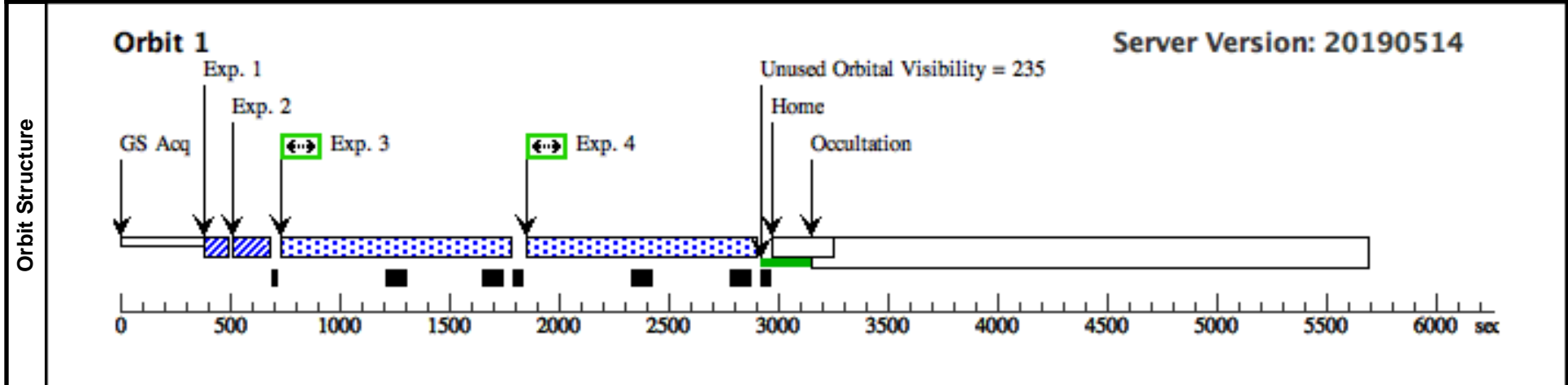
Proposal 16011 - SDSSJ115737.93+185503.58 (67) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	Proposal 16011, SDSSJ115737.93+185503.58 (67), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(67)	SDSSJ115737.93+185503.58	RA: 11 57 37.9530 (179.4081375d) Dec: +18 55 3.45 (18.91763d) Equinox: J2000	Proper Motion RA: -17.8 mas/yr Proper Motion Dec: 5.8 mas/yr Epoch of Position: 2000.0	V=16.7+/-0.208 GALEX FUV=15.73 GALEX N UV=16.04	Reference Frame: ICRS
<i>Comments: Massive, Teff=23256K logg=8.35, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3065)	(67) SDSSJ115737.93+185503.58	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				4 Secs (4 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3065)	(67) SDSSJ115737.93+185503.58	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			4 Secs (4 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 4161)	(67) SDSSJ115737.93+185503.58	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5;	FLASH=YES; FP-POS=3		1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 4161)	(67) SDSSJ115737.93+185503.58	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5;	FLASH=YES; FP-POS=4		1000 Secs (1000 Secs) [==>]	[1]



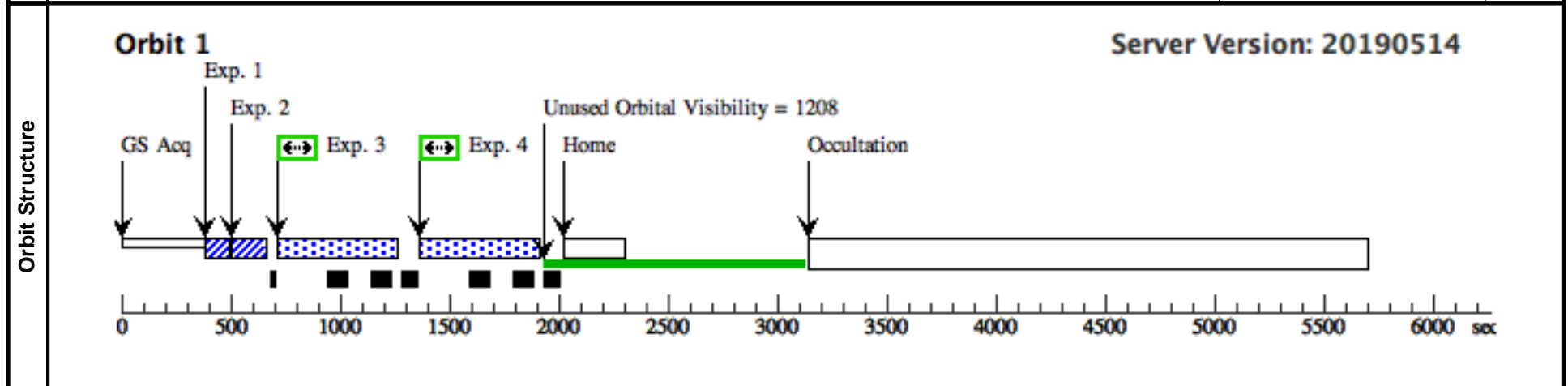
Proposal 16011 - WD1201-001 (68) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1201-001 (68), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(68)	WD1201-001	RA: 12 03 47.4200 (180.9475833d) Dec: -00 23 10.90 (-.38636d) Equinox: J2000	Proper Motion RA: -105.4 mas/yr Proper Motion Dec: -32.2 mas/yr Epoch of Position: 2000.0	V=15.135+/-0.054 GALEX FUV=14.3 GALEX N UV=14.9	Reference Frame: ICRS
<i>Comments: Massive, Teff=19770K logg=8.26, DA, NOV SC from K2 C10</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3167)	(68) WD1201-001	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3167)	(68) WD1201-001	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3635)	(68) WD1201-001	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=3			500 Secs (500 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3635)	(68) WD1201-001	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			500 Secs (500 Secs) [==>]	[1]



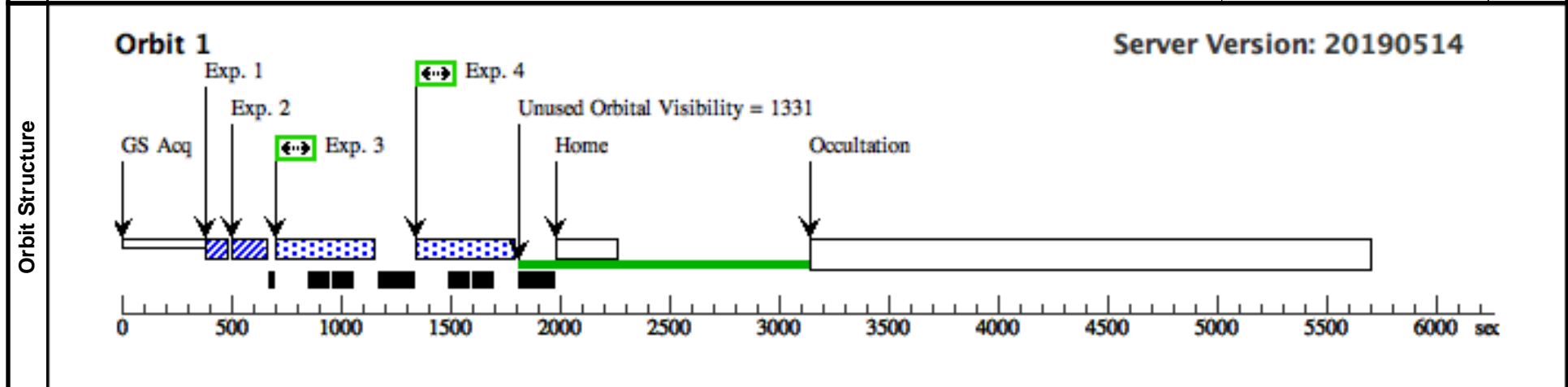
Proposal 16011 - WD1241-010 (70) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1241-010 (70), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(70)	WD1241-010	RA: 12 44 28.5670 (191.1190292d) Dec: -01 18 57.96 (-1.31610d) Equinox: J2000	Proper Motion RA: -60.2 mas/yr Proper Motion Dec: -175.2 mas/yr Epoch of Position: 2000.0	V=14.032+/-0.1 GALEX FUV=12.84 GALEX N UV=13.52	Reference Frame: ICRS
	<i>Comments: Low mass, Teff=24480K logg=7.37, DA</i>					
	<i>Category=STAR</i> <i>Description=[DA]</i> <i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3169)	(70) WD1241-010	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				1 Secs (1 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3169)	(70) WD1241-010	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			1 Secs (1 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3639)	(70) WD1241-010	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=11 1; FLASH=YES; FP-POS=3			400 Secs (400 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3639)	(70) WD1241-010	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=11 1; FLASH=YES; FP-POS=4			400 Secs (400 Secs) [==>]	[1]



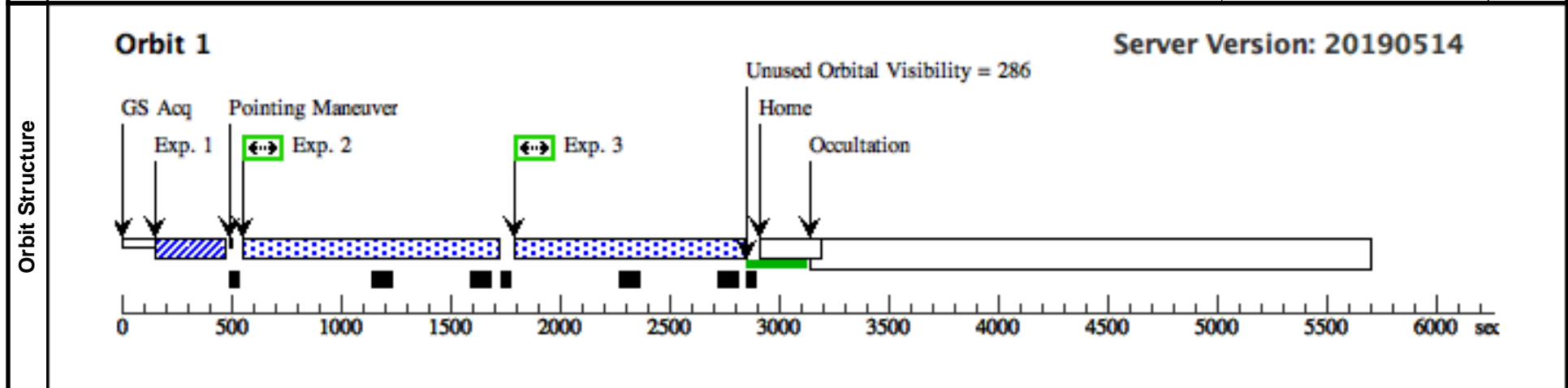
Proposal 16011 - WD1312+098 (74) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1312+098 (74), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(74)	WD1312+098	RA: 13 15 8.9570 (198.7873208d) Dec: +09 37 13.90 (9.62053d) Equinox: J2000	Proper Motion RA: 18.1 mas/yr Proper Motion Dec: -2.9 mas/yr Epoch of Position: 2000.0	V=16.21+/-0.004 GALEX FUV=15.74 GALEX N UV=15.80, SWP25874L	Reference Frame: ICRS
<i>Comments: Magnetic, Teff=20000K logg=8.0, DAH, B=10MG</i>					
Category=STAR Description=[DA] Extended=NO					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/Image (COS.ta.102 1261)	(74) WD1312+098	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				15 Secs (15 Secs) [==>]	[1]
2	FP-POS3 (COS.sp.101 3648)	(74) WD1312+098	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
3	FP-POS4 (COS.sp.101 3648)	(74) WD1312+098	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



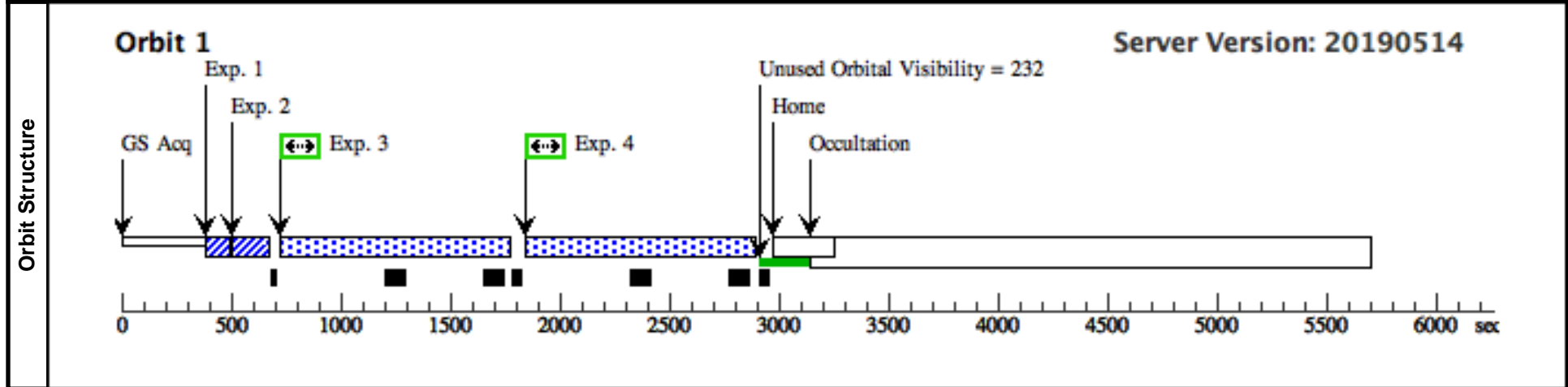
Proposal 16011 - WD1324+077 (75) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1324+077 (75), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(75)	WD1324+077	RA: 13 26 48.6780 (201.7028250d) Dec: +07 29 7.17 (7.48533d) Equinox: J2000	Proper Motion RA: -21.1 mas/yr Proper Motion Dec: -104.3 mas/yr Epoch of Position: 2000.0	V=16.8+/-0.1 GALEX FUV=15.7 GALEX N UV=16.0	Reference Frame: ICRS
<i>Comments: Massive, T<sub>eff</sub>=27150K logg=8.45, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3180)	(75) WD1324+077	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3180)	(75) WD1324+077	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3653)	(75) WD1324+077	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3653)	(75) WD1324+077	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



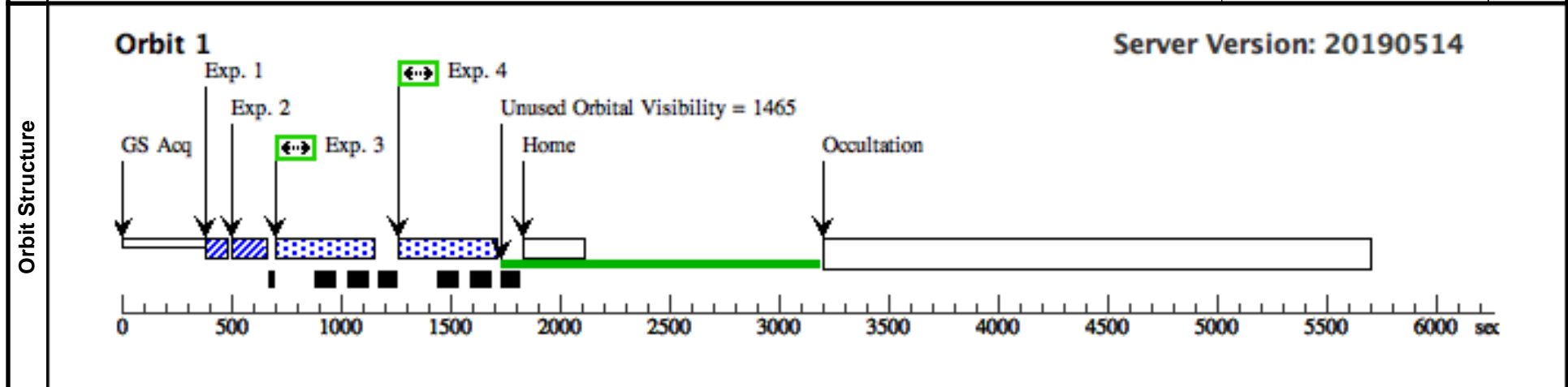
Proposal 16011 - WD1335+369 (79) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1335+369 (79), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(79)	WD1335+369	RA: 13 37 52.0824 (204.4670100d) Dec: +36 37 32.41 (36.62567d) Equinox: J2000	Proper Motion RA: -5.900 mas/yr Proper Motion Dec: -66.769 mas/yr Epoch of Position: 2015.5	V=14.58+/-0.1 GALEX FUV=99 GALEX NUV=99, predicted flux at 1380A = 2.4e-13 erg/cm2/s/AA, failed COS obs	Reference Frame: ICRS
<i>Comments: Default, Teff=20510K logg=7.78, DA.</i>					
<i>29/May/2018: changed coordinates according to Gaia DR2 Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3187)	(79) WD1335+369	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				1 Secs (1 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3187)	(79) WD1335+369	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			1 Secs (1 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3663)	(79) WD1335+369	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=3			400 Secs (400 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3663)	(79) WD1335+369	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=4			400 Secs (400 Secs) [==>]	[1]



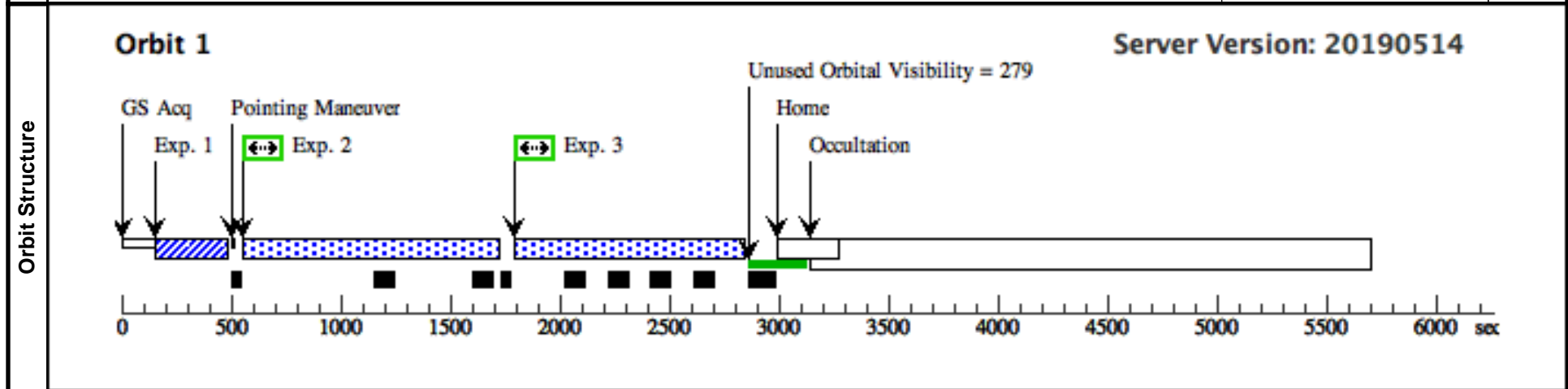
Proposal 16011 - WD1335-035 (80) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1335-035 (80), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(80)	WD1335-035	RA: 13 38 22.6820 (204.5945083d) Dec: -03 47 19.67 (-3.78880d) Equinox: J2000	Proper Motion RA: -70.4 mas/yr Proper Motion Dec: 9.7 mas/yr Epoch of Position: 2000.0	V=16.647+/-0.093 GALEX FUV=15.83 GALEX N UV=16.06	Reference Frame: ICRS
<i>Comments: Massive, Teff=20188K logg=8.47, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/Image (COS.ta.102 1258)	(80) WD1335-035	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				17 Secs (17 Secs) [==>]	[1]
2	FP-POS3 (COS.sp.101 3660)	(80) WD1335-035	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
3	FP-POS4 (COS.sp.101 3660)	(80) WD1335-035	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



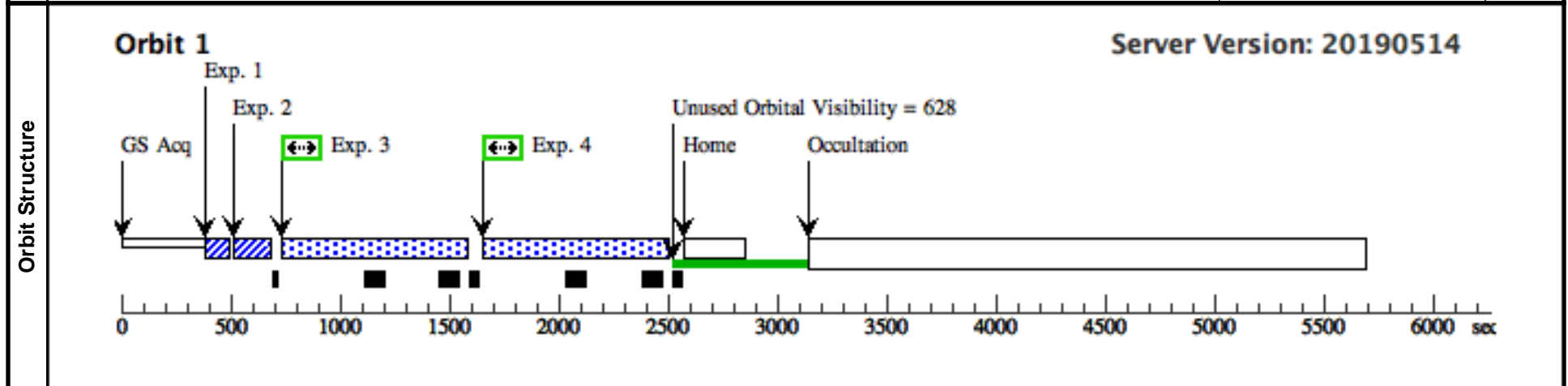
Proposal 16011 - WD1336+123 (81) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1336+123 (81), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(81)	WD1336+123	RA: 13 39 13.5360 (204.8064000d) Dec: +12 08 31.12 (12.14198d) Equinox: J2000	Proper Motion RA: 124.1 mas/yr Proper Motion Dec: -134.1 mas/yr Epoch of Position: 2000.0	V=14.74+/-0.054 GALEX FUV=15.02 GALEX N UV=14.69	Reference Frame: ICRS
	<i>Comments: Wide binary, Teff=16780K logg=8.0, DB + M4V (LP 498-25, V=14.0), 87"</i>					
	<i>Category=STAR Description=[DA] Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3188)	(81) WD1336+123	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				4 Secs (4 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3188)	(81) WD1336+123	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			4 Secs (4 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3664)	(81) WD1336+123	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=3			800 Secs (800 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3664)	(81) WD1336+123	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=4			800 Secs (800 Secs) [==>]	[1]



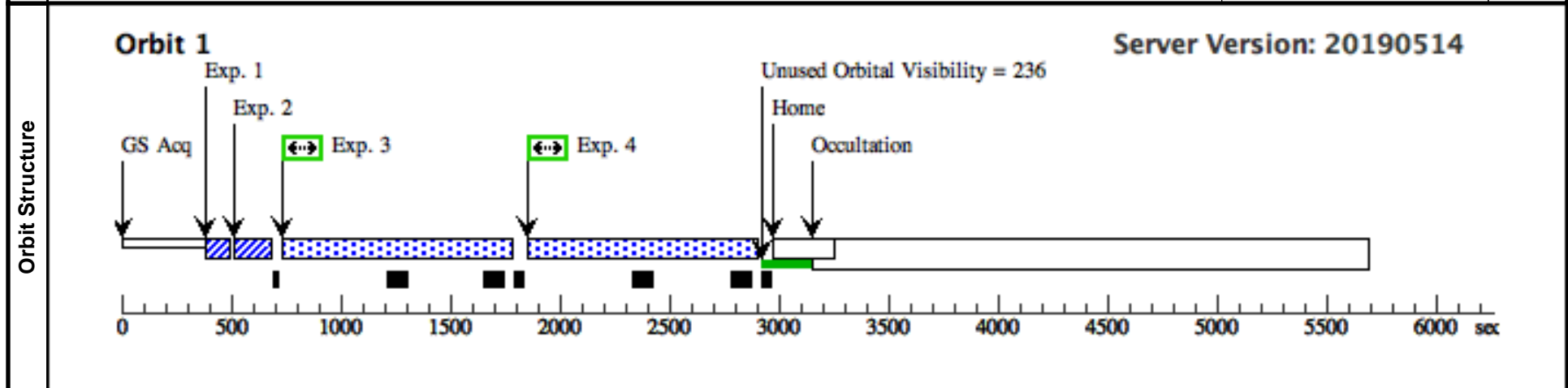
Proposal 16011 - WD1411+218 (83) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1411+218 (83), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(83)	WD1411+218	RA: 14 13 29.8460 (213.3743583d) Dec: +21 37 39.63 (21.62767d) Equinox: J2000	Proper Motion RA: -58.3 mas/yr Proper Motion Dec: 108.8 mas/yr Epoch of Position: 2000.0	V=14.3+/-0.1 GALEX FUV=15.12 GALEX N UV=14.40, SWP18995L	Reference Frame: ICRS
<i>Comments: DB, Teff=14910K logg=8.04, wide binary companion</i>					
<i>Category=STAR</i>					
<i>Description=[DB]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3195)	(83) WD1411+218	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				4 Secs (4 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3195)	(83) WD1411+218	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			4 Secs (4 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3668)	(83) WD1411+218	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3668)	(83) WD1411+218	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



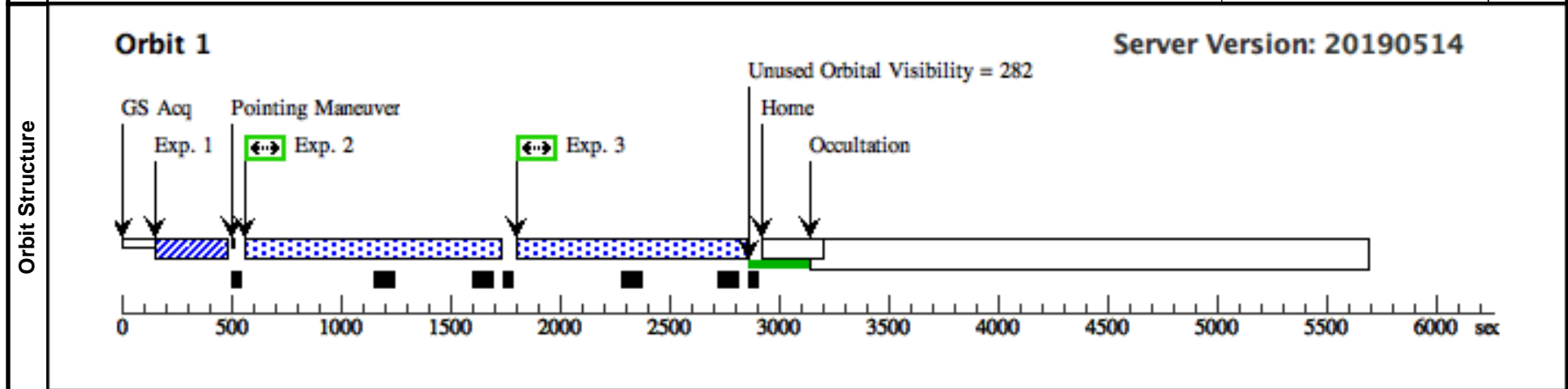
Proposal 16011 - WD1411+135 (84) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1411+135 (84), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(84)	WD1411+135	RA: 14 13 58.2140 (213.4925583d) Dec: +13 19 19.16 (13.32199d) Equinox: J2000	Proper Motion RA: 33.2 mas/yr Proper Motion Dec: -6.8 mas/yr Epoch of Position: 2000.0	V=16.524+/-0.048 GALEX FUV=15.91 GALEX N UV=16.14	Reference Frame: ICRS
	<i>Comments: Massive, T<sub>eff</sub>=18110K logg=8.26, DA</i>					
	<i>Category=STAR</i>					
	<i>Description=[DA]</i>					
	<i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/Image (COS.ta.102 1242)	(84) WD1411+135	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				19 Secs (19 Secs) [==>]	[1]
	2	FP-POS3 (COS.sp.101 3667)	(84) WD1411+135	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
	3	FP-POS4 (COS.sp.101 3667)	(84) WD1411+135	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



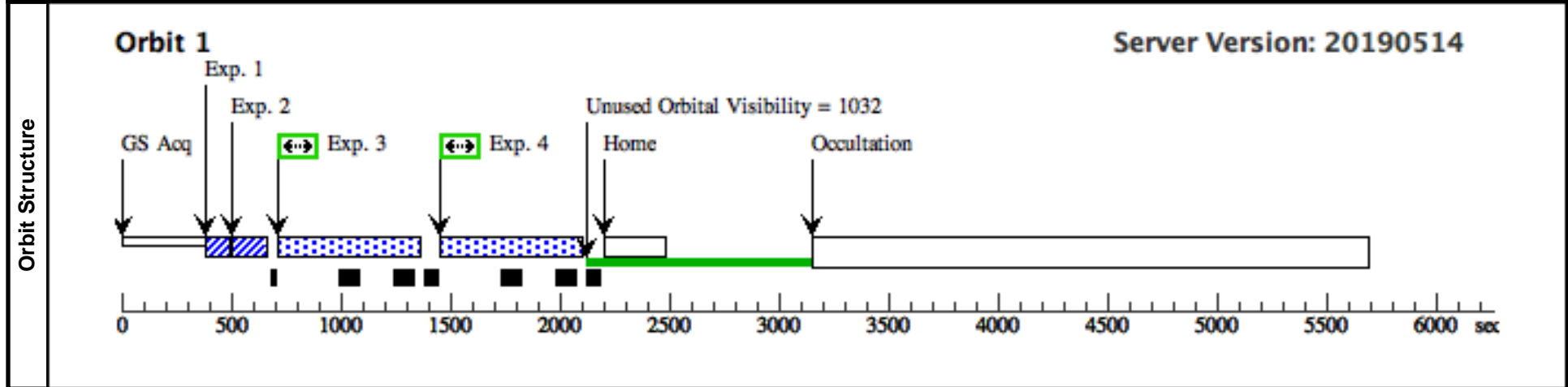
Proposal 16011 - WD1449+168 (89) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1449+168 (89), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(89)	WD1449+168	RA: 14 52 11.3900 (223.0474583d) Dec: +16 38 3.80 (16.63439d) Equinox: J2000	Proper Motion RA: 3.1 mas/yr Proper Motion Dec: 56.9 mas/yr Epoch of Position: 2000.0	V=15.44+/-0.1 GALEX FUV=14.39 GALEX N UV=14.82	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=21600K logg=7.88, DA + M3V (V=15.44), 78"</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

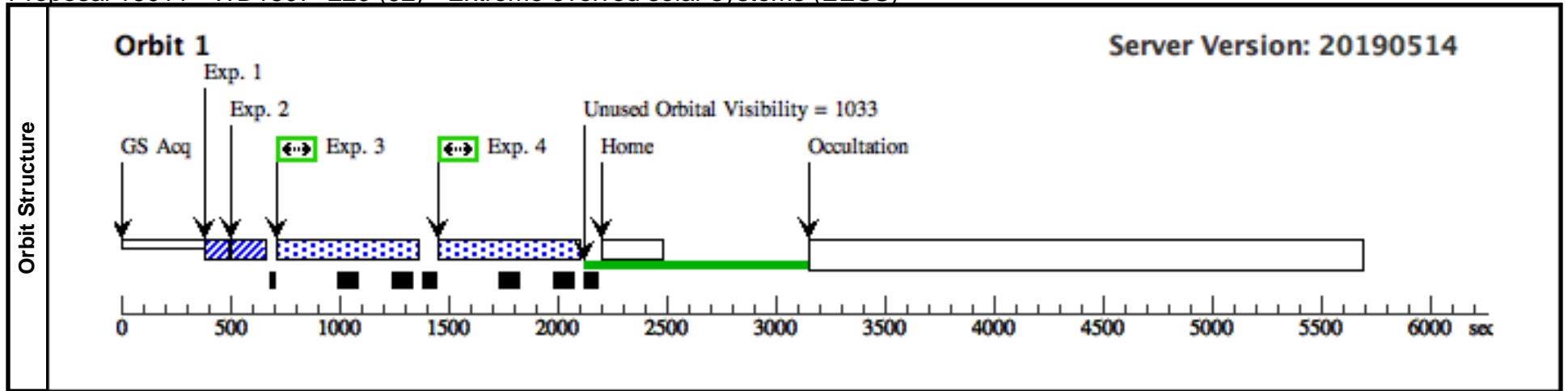
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3205)	(89) WD1449+168	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3205)	(89) WD1449+168	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 XD (COS.sp.101 3673)	(89) WD1449+168	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3673)	(89) WD1449+168	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



Proposal 16011 - WD1507+220 (92) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1507+220 (92), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV Special Requirements: (none)									
	(WD1507+220 (92)) Warning (Form): If the target position is not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(92)	WD1507+220	RA: 15 09 39.9800 (227.4165833d) Dec: +21 50 15.80 (21.83772d) Equinox: J2000	Proper Motion RA: -75.3 mas/yr Proper Motion Dec: -29.9 mas/yr Epoch of Position: 2000.0		V=15.05+/-0.1 GALEX FUV=14.23 GALEX N UV=14.48	Reference Frame: ICRS			
Comments: Default, Teff=19340K logg=7.91, DA Category=STAR Description=[DA] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/PEAK XD (COS.sa.101 3210)	(92) WD1507+220	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3210)	(92) WD1507+220	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3677)	(92) WD1507+220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3677)	(92) WD1507+220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



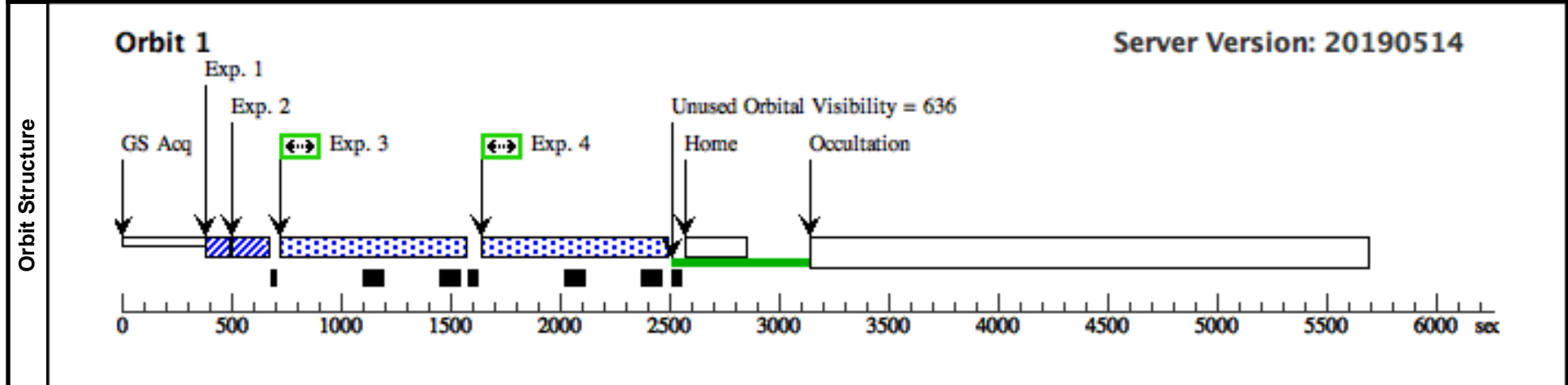
Proposal 16011 - APASSJ151754.65+103043.7 (93) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, APASSJ151754.65+103043.7 (93), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(93)	APASSJ151754.65+103043.7	RA: 15 17 54.6190 (229.4775792d) Dec: +10 30 45.38 (10.51261d) Equinox: J2000	Proper Motion RA: -16.4 mas/yr Proper Motion Dec: -112.1 mas/yr Epoch of Position: 2000.0	V=15.82+/-0.1 GALEX FUV=15.17 GALEX N UV=15.50	Reference Frame: ICRS
<i>Comments: APASS, Teff=19920K logg=7.86, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3017)	(93) APASSJ151754.65+103043.7	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3017)	(93) APASSJ151754.65+103043.7	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3018)	(93) APASSJ151754.65+103043.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=3			800 Secs (800 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3018)	(93) APASSJ151754.65+103043.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=4			800 Secs (800 Secs) [==>]	[1]



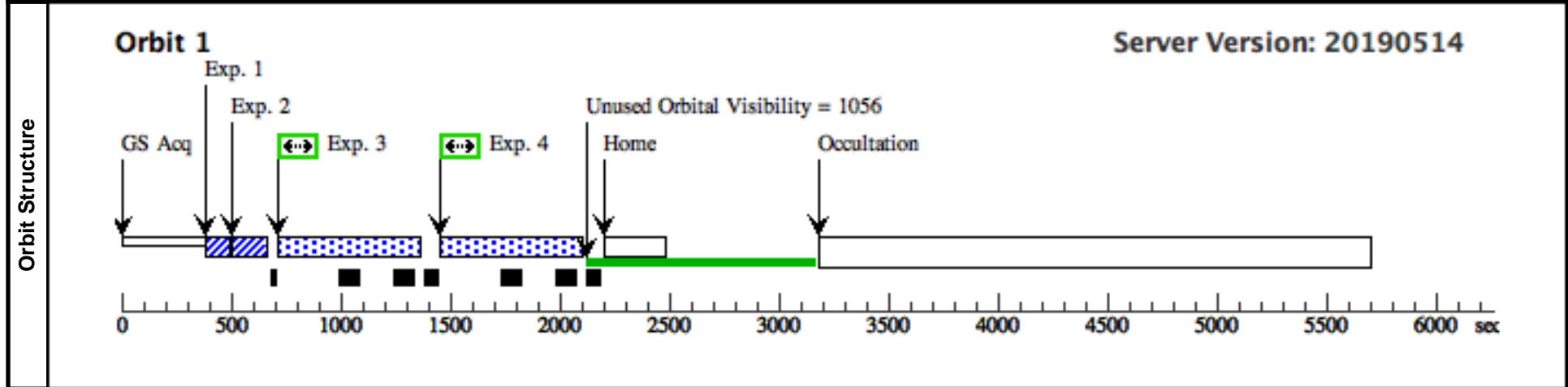
Proposal 16011 - WD1523+322 (95) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1523+322 (95), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(95)	WD1523+322	RA: 15 25 11.4300 (231.2976250d) Dec: +32 05 28.96 (32.09138d) Equinox: J2000	Proper Motion RA: -35.2 mas/yr Proper Motion Dec: 14.4 mas/yr Epoch of Position: 2000.0	V=16.2+/-0.1 GALEX FUV=99 GALEX NUV=99	Reference Frame: ICRS
<i>Comments: Massive, T<sub>eff</sub>=26730K logg=8.31, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3213)	(95) WD1523+322	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3213)	(95) WD1523+322	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3679)	(95) WD1523+322	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3679)	(95) WD1523+322	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



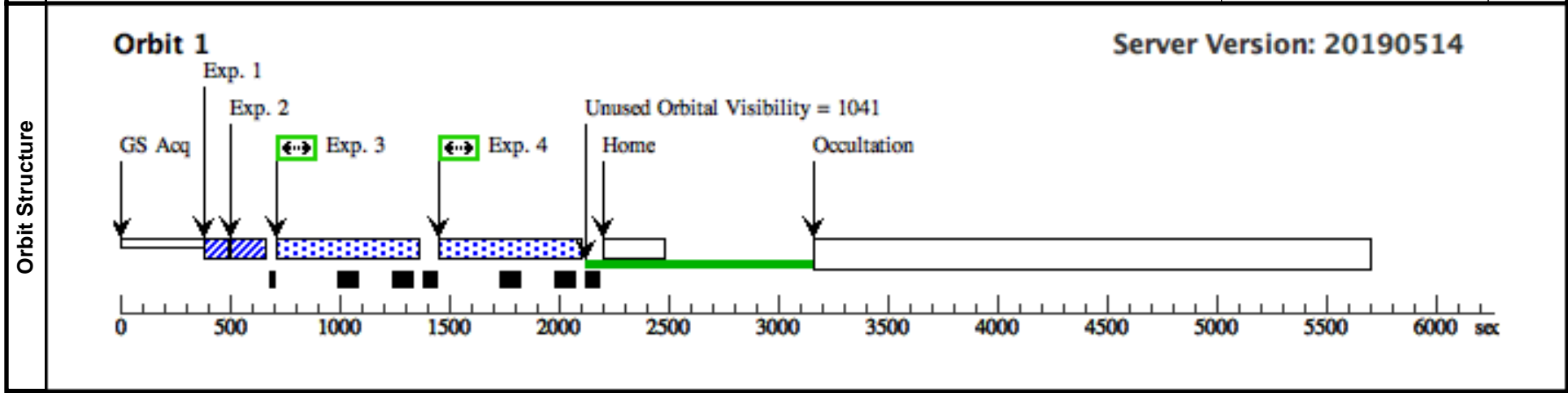
Proposal 16011 - WD1525+257 (96) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1525+257 (96), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(96)	WD1525+257	RA: 15 27 36.6500 (231.9027083d) Dec: +25 35 3.50 (25.58431d) Equinox: J2000	Proper Motion RA: 12.8 mas/yr Proper Motion Dec: -56.6 mas/yr Epoch of Position: 2000.0	V=15.73+/-0.109 GALEX FUV=99 GALEX NUV=99, F(1380A) = 1.1e-13	Reference Frame: ICRS
<i>Comments: Massive, T<sub>eff</sub>=22290K logg=8.28, DA</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3215)	(96) WD1525+257	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3215)	(96) WD1525+257	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3681)	(96) WD1525+257	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3681)	(96) WD1525+257	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



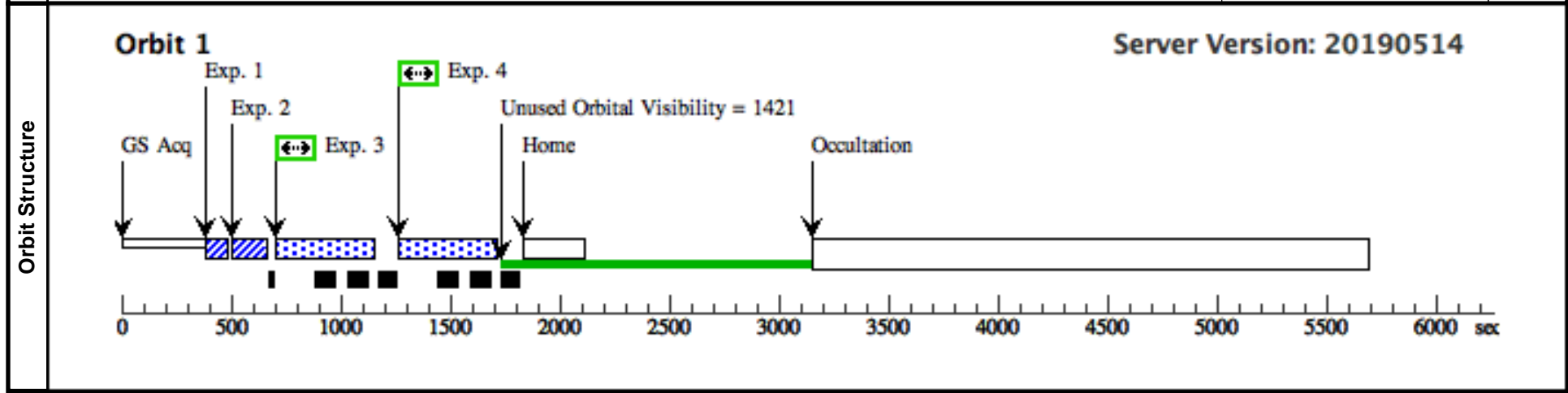
Proposal 16011 - WD1542+182 (99) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1542+182 (99), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(99)	WD1542+182	RA: 15 44 19.4600 (236.0810833d) Dec: +18 06 43.93 (18.11220d) Equinox: J2000	Proper Motion RA: -0.7 mas/yr Proper Motion Dec: -122.7 mas/yr Epoch of Position: 2000.0	V=14.664+/-0.036 GALEX FUV=99 GALEX NUV=99, SWP03725	Reference Frame: ICRS
<i>Comments: DB, Teff=22630K logg=8.04</i>					
<i>Category=STAR</i>					
<i>Description=[DB]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3219)	(99) WD1542+182	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				1 Secs (1 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3219)	(99) WD1542+182	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			1 Secs (1 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3684)	(99) WD1542+182	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=3			400 Secs (400 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3684)	(99) WD1542+182	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=4			400 Secs (400 Secs) [==>]	[1]



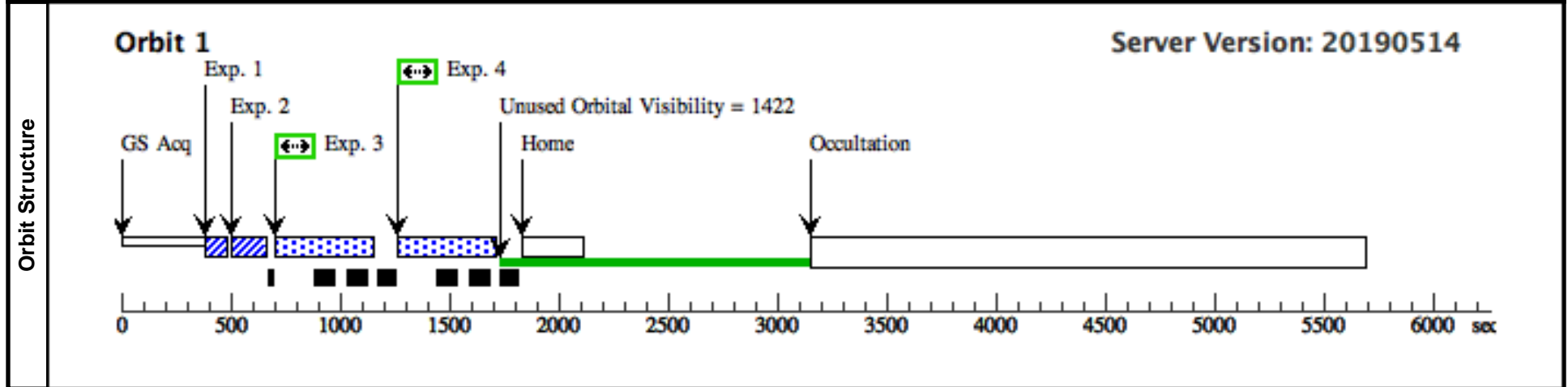
Proposal 16011 - WD1554+215 (0B) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1554+215 (0B), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(141)	WD1554+215	RA: 15 56 18.7780 (239.0782417d) Dec: +21 23 55.13 (21.39865d) Equinox: J2000	Proper Motion RA: 20.993 mas/yr Proper Motion Dec: -58.468 mas/yr Epoch of Position: 2000.0	V=15.26+/-0.01 GALEX FUV=13.80 GALEX N UV=14.28	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=27320K logg=7.90, DA + G5V (TYC 1502-1772-1, V=10.16), 75.8"</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3224)	(141) WD1554+215	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				1 Secs (1 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3224)	(141) WD1554+215	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			1 Secs (1 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3686)	(141) WD1554+215	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=3			400 Secs (400 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3686)	(141) WD1554+215	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=4			400 Secs (400 Secs) [==>]	[1]



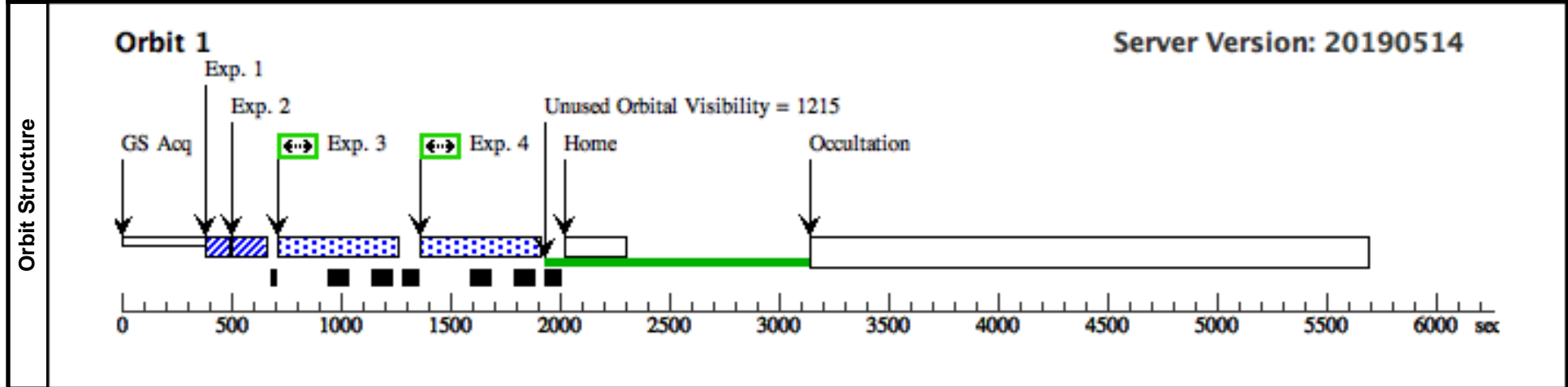
Proposal 16011 - WD1614+136 (0D) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1614+136 (0D), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(103)	WD1614+136	RA: 16 16 52.2950 (244.2178958d) Dec: +13 34 20.95 (13.57249d) Equinox: J2000	Proper Motion RA: -7.0 mas/yr Proper Motion Dec: -43.9 mas/yr Epoch of Position: 2000.0	V=15.235+/-0.038 GALEX FUV=14.21 GALEX N UV=14.62	Reference Frame: ICRS
<i>Comments: Low mass, Teff=23190K logg=7.38, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3225)	(103) WD1614+136	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3225)	(103) WD1614+136	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (XD (COS.sp.101 3687))	(103) WD1614+136	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=3			500 Secs (500 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3687)	(103) WD1614+136	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			500 Secs (500 Secs) [==>]	[1]



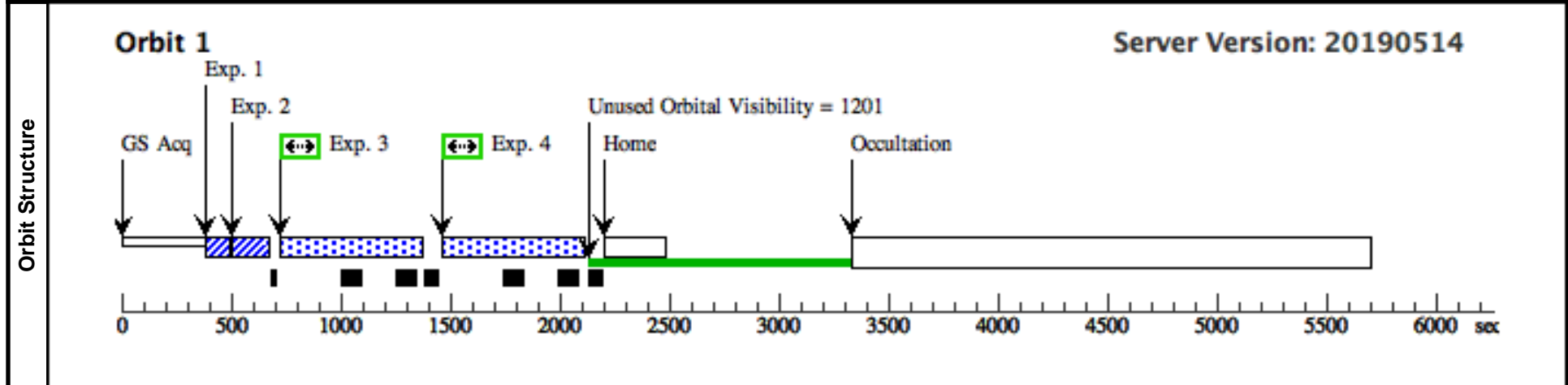
Proposal 16011 - WD1659-531 (0G) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1659-531 (0G), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(106)	WD1659-531	RA: 17 02 56.3360 (255.7347333d) Dec: -53 14 36.62 (-53.24351d) Equinox: J2000	Proper Motion RA: -5.0 mas/yr Proper Motion Dec: -152.6 mas/yr Epoch of Position: 2000.0	V=13.47+/-0.05 GALEX FUV=99 GALEX NUV=99	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=13560K logg=7.94, DA + F5V (HIP83431, V=5.29), 113.5"</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3227)	(106) WD1659-531	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3227)	(106) WD1659-531	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3688)	(106) WD1659-531	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3688)	(106) WD1659-531	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



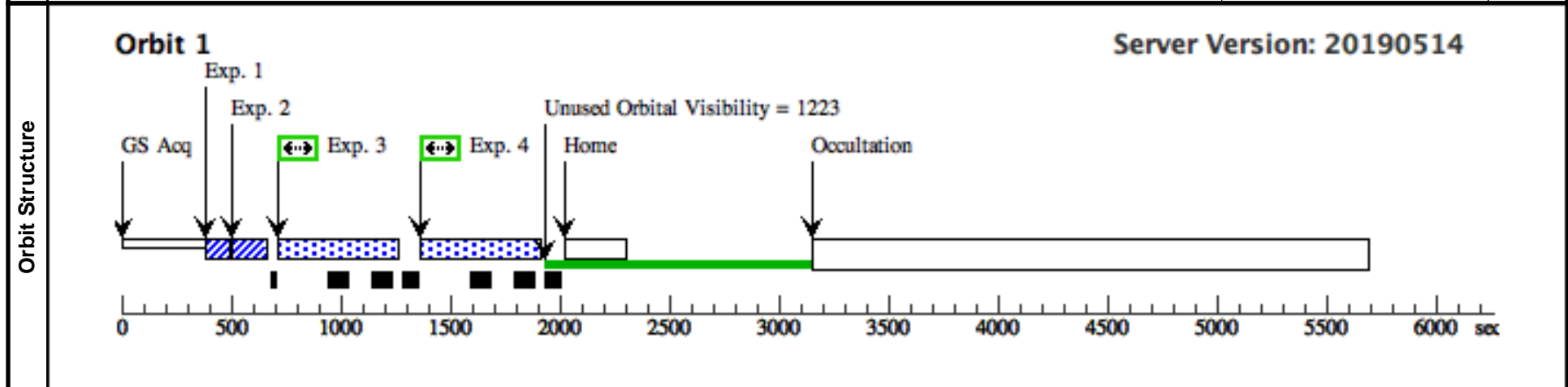
Proposal 16011 - WD2051-208 (0U) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD2051-208 (0U), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(120)	WD2051-208	RA: 20 54 42.8000 (313.6783333d) Dec: -20 39 25.89 (-20.65719d) Equinox: J2000	Proper Motion RA: 72.7 mas/yr Proper Motion Dec: 13.3 mas/yr Epoch of Position: 2000.0	V=15.085+/-0.054 GALEX FUV=14.14 GALEX N UV=14.43	Reference Frame: ICRS
<i>Comments: Magnetic, Teff=21460K logg=9.1, DAH, B=31MG</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3249)	(120) WD2051-208	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3249)	(120) WD2051-208	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3704)	(120) WD2051-208	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=3			500 Secs (500 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3704)	(120) WD2051-208	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=19 5; FLASH=YES; FP-POS=4			500 Secs (500 Secs) [==>]	[1]



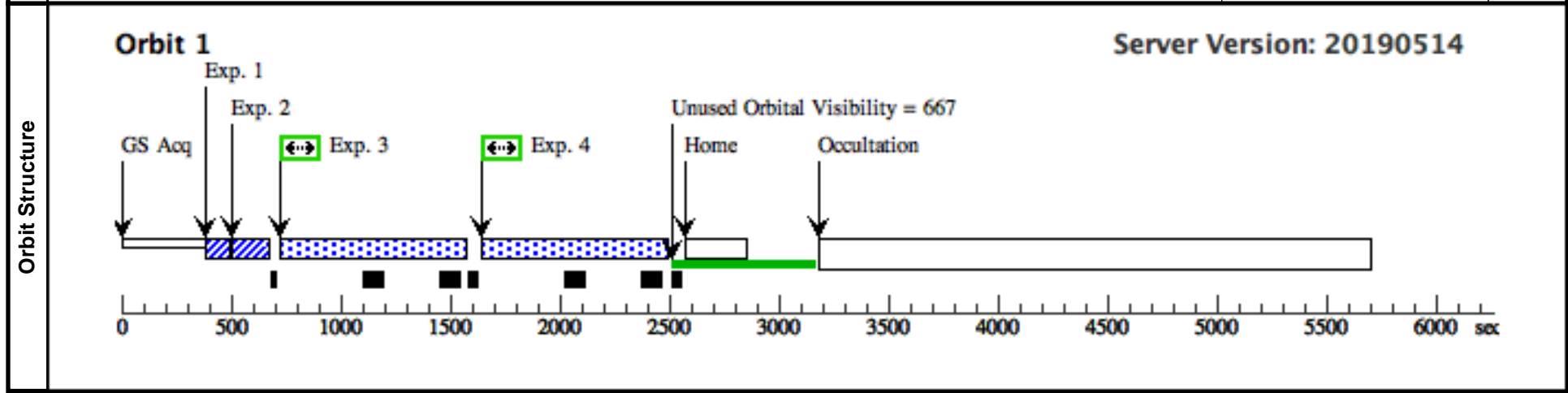
Proposal 16011 - WD2341+322 (1M) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD2341+322 (1M), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(138)	WD2341+322	RA: 23 43 50.7190 (355.9613292d) Dec: +32 32 46.76 (32.54632d) Equinox: J2000	Proper Motion RA: -217.0 mas/yr Proper Motion Dec: -60.1 mas/yr Epoch of Position: 2000.0	V=12.944+/-0.054 GALEX FUV=13.91 GALEX N UV=13.52, SWP14657L	Reference Frame: ICRS
<i>Comments: Wide binary, T<sub>eff</sub>=13000K logg=8.02, DA + M1.5V (G 130-6, V=11.7), 174"</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3286)	(138) WD2341+322	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3286)	(138) WD2341+322	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3728)	(138) WD2341+322	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=3			800 Secs (800 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3728)	(138) WD2341+322	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=34 5; FLASH=YES; FP-POS=4			800 Secs (800 Secs) [==>]	[1]



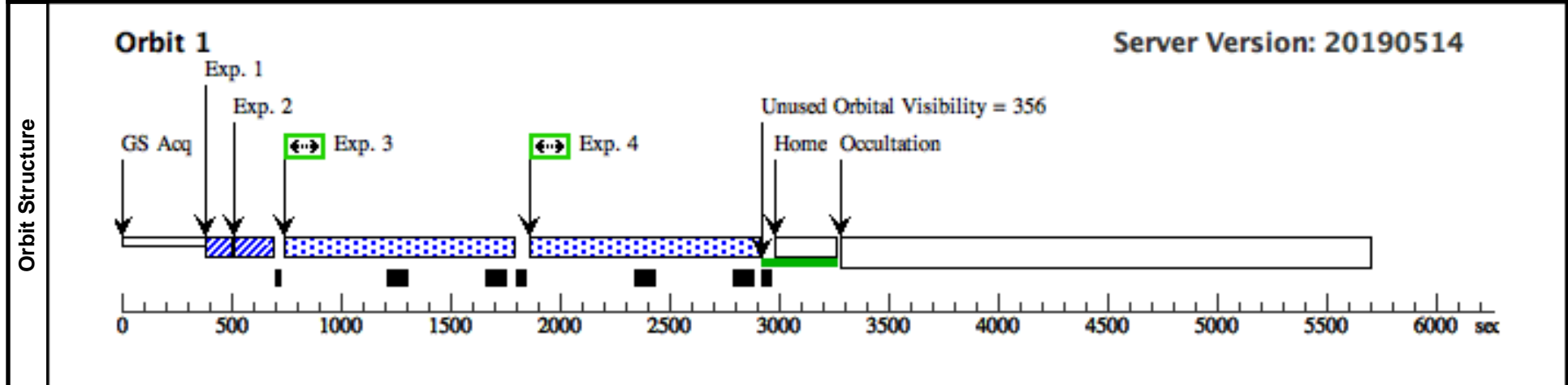
Proposal 16011 - WD2347-461 (1N) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD2347-461 (1N), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(139)	WD2347-461	RA: 23 50 32.8890 (357.6370375d) Dec: -45 51 34.80 (-45.85967d) Equinox: J2000	Proper Motion RA: -27.9 mas/yr Proper Motion Dec: -59.4 mas/yr Epoch of Position: 2000.0	V=16.191+/-0.074 GALEX FUV=15.77 GALEX N UV=15.93	Reference Frame: ICRS
<i>Comments: Low mass, Teff=17738K logg=7.49, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3288)	(139) WD2347-461	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3288)	(139) WD2347-461	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3729)	(139) WD2347-461	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3729)	(139) WD2347-461	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



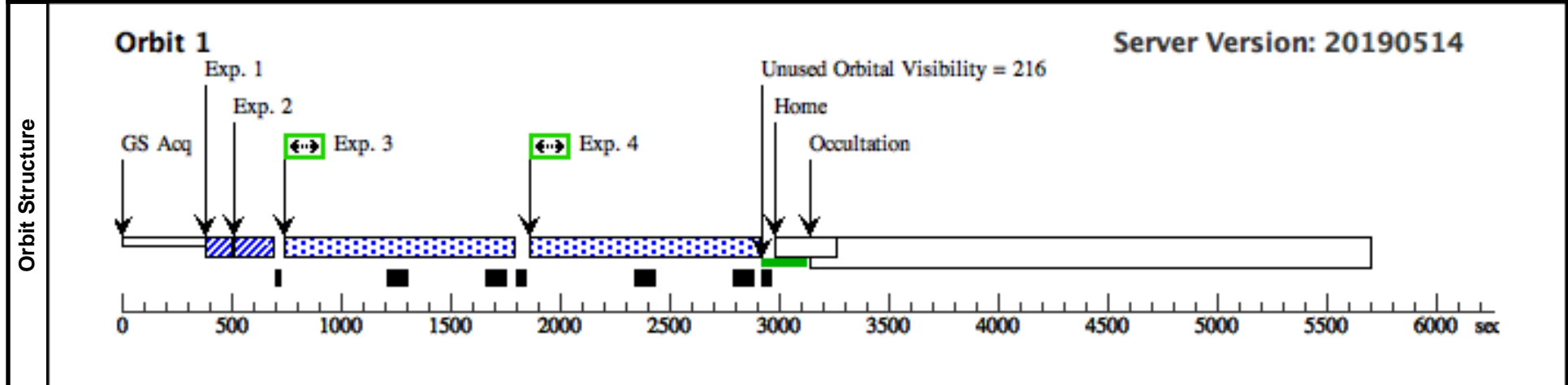
Proposal 16011 - WD2350-083 (1O) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD2350-083 (1O), implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(140)	WD2350-083	RA: 23 53 27.7680 (358.3657000d) Dec: -08 04 39.01 (-8.07750d) Equinox: J2000	Proper Motion RA: 130.8 mas/yr Proper Motion Dec: 31.151 mas/yr Epoch of Position: 2000.0	V=16.5+/-0.2 GALEX FUV=15.60 GALEX N UV=15.81	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=17537K logg=8, DA + GV (V=9.5), 23"</i>					
Category=STAR Description=[DA] Extended=NO					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3292)	(140) WD2350-083	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3292)	(140) WD2350-083	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3730)	(140) WD2350-083	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3730)	(140) WD2350-083	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



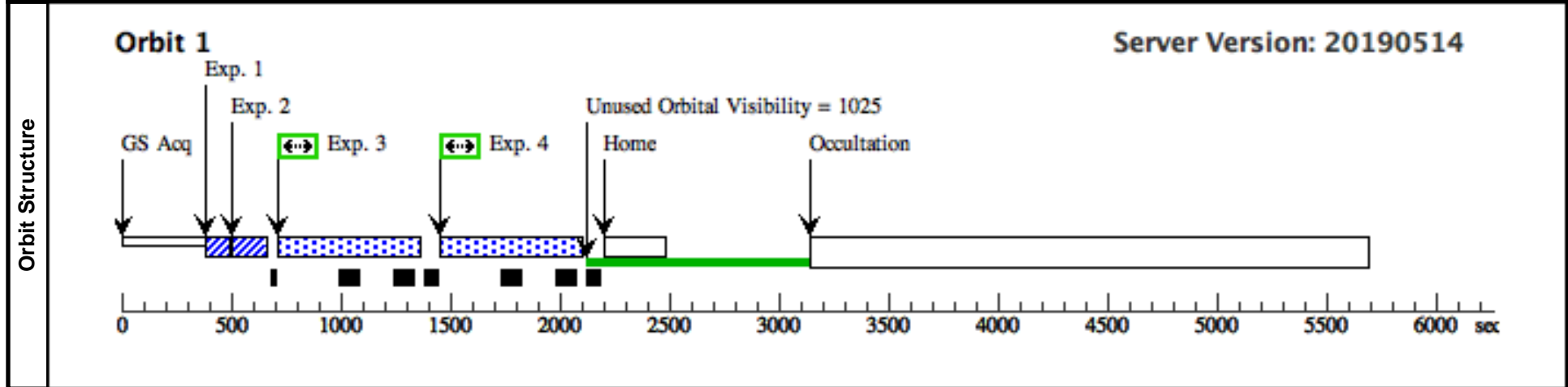
Proposal 16011 - APASSJ225612.94-131939.3 (1H) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, APASSJ225612.94-131939.3 (1H)</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(133)	APASSJ225612.94-131939.3	RA: 22 56 12.9250 (344.0538542d) Dec: -13 19 38.69 (-13.32741d) Equinox: J2000	Proper Motion RA: 26.6 mas/yr Proper Motion Dec: -26.0 mas/yr Epoch of Position: 2000.0	V=15.5+/-0.1 GALEX FUV=14.75 GALEX N UV=15.11	Reference Frame: ICRS
<i>Comments: APASS, Teff=20080K logg=7.97, DA</i>						
<i>Category=STAR</i>						
<i>Description=[DA]</i>						
<i>Extended=NO</i>						

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	ACQ/PEAK XD (COS.sa.101 3031)	(133) APASSJ22561 2.94-131939.3	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]
2		ACQ/PEAK D (COS.sa.101 3031)	(133) APASSJ22561 2.94-131939.3	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3		FP-POS3 (COS.sp.101 3032)	(133) APASSJ22561 2.94-131939.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			600 Secs (600 Secs) [==>]	[1]
4		FP-POS4 (COS.sp.101 3032)	(133) APASSJ22561 2.94-131939.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=4			600 Secs (600 Secs) [==>]	[1]



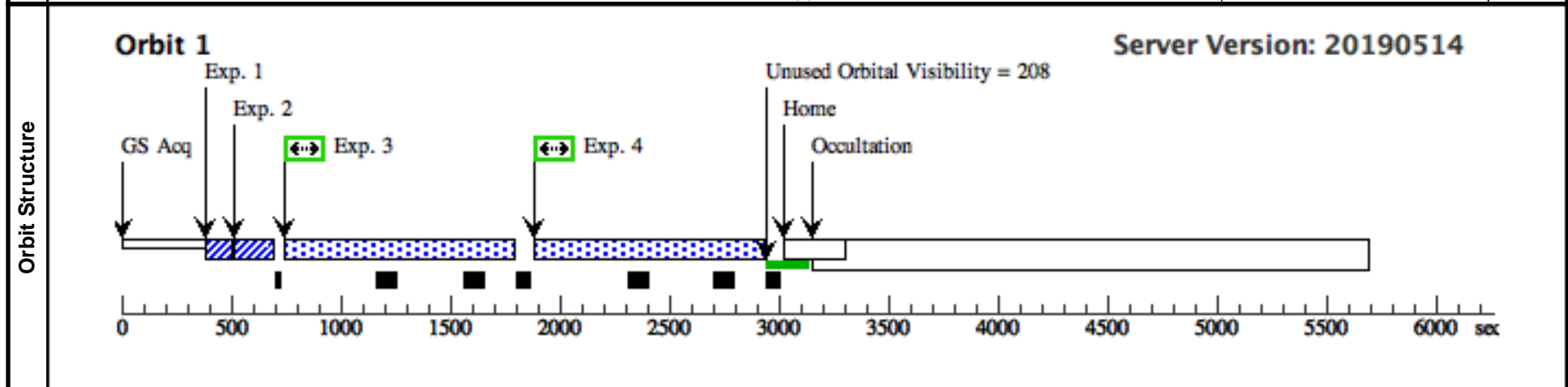
Proposal 16011 - WD1051-147 (56) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:11 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1051-147 (56)</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(56)	WD1051-147	RA: 10 53 54.5380 (163.4772417d) Dec: -15 03 55.80 (-15.06550d) Equinox: J2000	Proper Motion RA: 21.3 mas/yr Proper Motion Dec: -21.3 mas/yr Epoch of Position: 2000.0	V=16.299+/-0.1 GALEX FUV=15.54 GALEX N UV=15.77	Reference Frame: ICRS
	<i>Comments: Massive, T<sub>eff</sub>=20570K logg=8.33, DA</i>					
	<i>Category=STAR</i>					
	<i>Description=[DA]</i>					
	<i>Extended=NO</i>					

<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (COS.sa.101 3151)	(56) WD1051-147	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.101 3151)	(56) WD1051-147	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
	3	FP-POS3 (COS.sp.101 3613)	(56) WD1051-147	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
	4	FP-POS4 (COS.sp.101 3613)	(56) WD1051-147	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



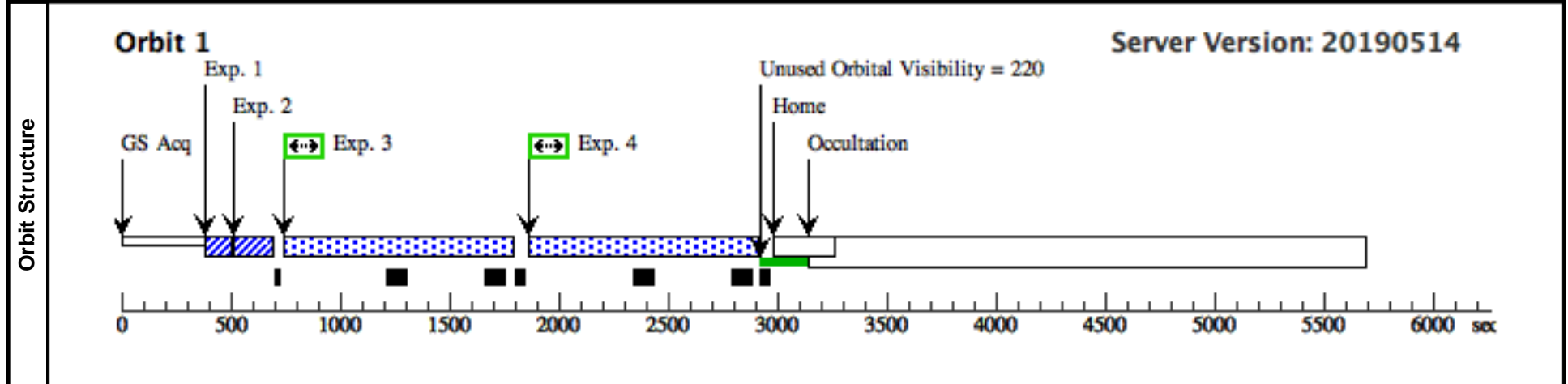
Proposal 16011 - APASSJ161442.78+104618.1 (0C) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:12 GMT 2019

<b>Visit</b>	Proposal 16011, APASSJ161442.78+104618.1 (0C)				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(102)	APASSJ161442.78+104618.1	RA: 16 14 42.7960 (243.6783167d) Dec: +10 46 20.00 (10.77222d) Equinox: J2000	Proper Motion RA: 17.3 mas/yr Proper Motion Dec: -110.5 mas/yr Epoch of Position: 2000.0	V=15.88+/-0.1 GALEX FUV=15.58 GALEX N UV=15.74	Reference Frame: ICRS
<i>Comments: APASS, Teff=16800K logg=8.03, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3024)	(102) APASSJ16144 2.78+104618.1	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3024)	(102) APASSJ16144 2.78+104618.1	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3023)	(102) APASSJ16144 2.78+104618.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3023)	(102) APASSJ16144 2.78+104618.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



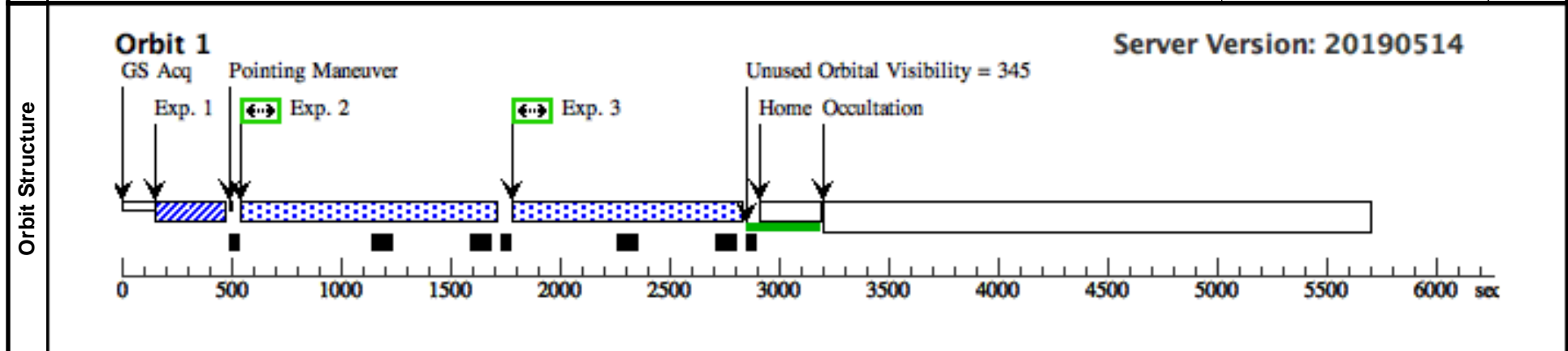
Proposal 16011 - WD1017+366 (53) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:12 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1017+366 (53)</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(53)	WD1017+366	RA: 10 20 54.1320 (155.2255500d) Dec: +36 26 47.49 (36.44652d) Equinox: J2000	Proper Motion RA: -36.1 mas/yr Proper Motion Dec: -129.4 mas/yr Epoch of Position: 2000.0	V=16.0+/-0.2 GALEX FUV=15.61 GALEX N UV=15.74, O6CQ02010	Reference Frame: ICRS
<i>Comments: Magnetic, Teff=16000K logg=8.0, DAH, B=65MG</i>					
Category=STAR Description=[DA] Extended=NO					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/Image (COS.ta.102 1250)	(53) WD1017+366	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				13 Secs (13 Secs) [==>]	[1]
2	FP-POS3 (COS.sp.101 3607)	(53) WD1017+366	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
3	FP-POS4 (COS.sp.101 3607)	(53) WD1017+366	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



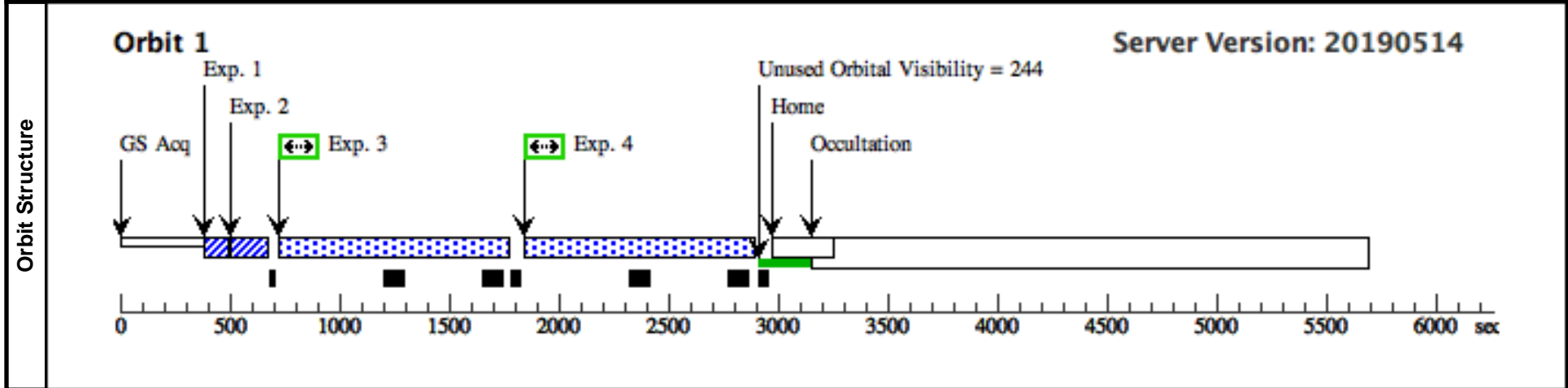
Proposal 16011 - WD1434-223 (85) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:12 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1434-223 (85)</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(85)	WD1434-223	RA: 14 37 14.6280 (219.3109500d) Dec: -22 31 18.61 (-22.52184d) Equinox: J2000	Proper Motion RA: -9.0 mas/yr Proper Motion Dec: -59.6 mas/yr Epoch of Position: 2000.0	V=16.392+/-0.016 GALEX FUV=15.75 GALEX N UV=16.20	Reference Frame: ICRS
<i>Comments: Low mass, Teff=28460K logg=7.58, DA</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3199)	(85) WD1434-223	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				3 Secs (3 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3199)	(85) WD1434-223	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			3 Secs (3 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3670)	(85) WD1434-223	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3670)	(85) WD1434-223	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



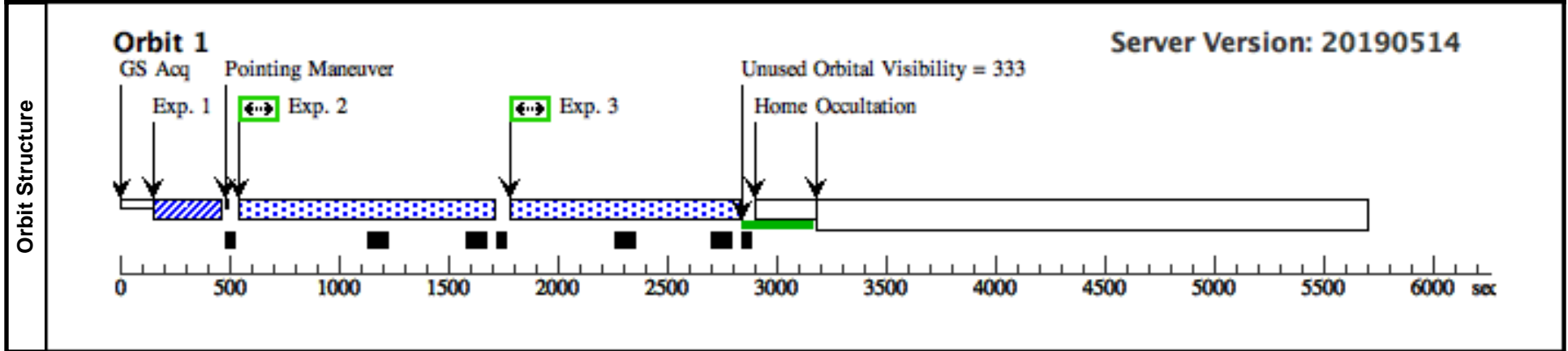
Proposal 16011 - WD1659+303 (0F) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:12 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1659+303 (0F)</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV, COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(105)	WD1659+303	RA: 17 01 8.0100 (255.2833750d) Dec: +30 15 35.70 (30.25992d) Equinox: J2000	Proper Motion RA: 13.3 mas/yr Proper Motion Dec: -66.1 mas/yr Epoch of Position: 2000.0	V=14.951+/-0.103 GALEX FUV=15.22 GALEX N UV=15.27	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=14150K logg=8.07, DA + M2V (V=14.99), 155"</i>					
Category=STAR Description=[DA] Extended=NO					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/Image (COS.ta.102 1253)	(105) WD1659+303	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				9 Secs (9 Secs) [==>]	[1]
2	FP-POS3 (COS.sp.101 3689)	(105) WD1659+303	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
3	FP-POS4 (COS.sp.101 3689)	(105) WD1659+303	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



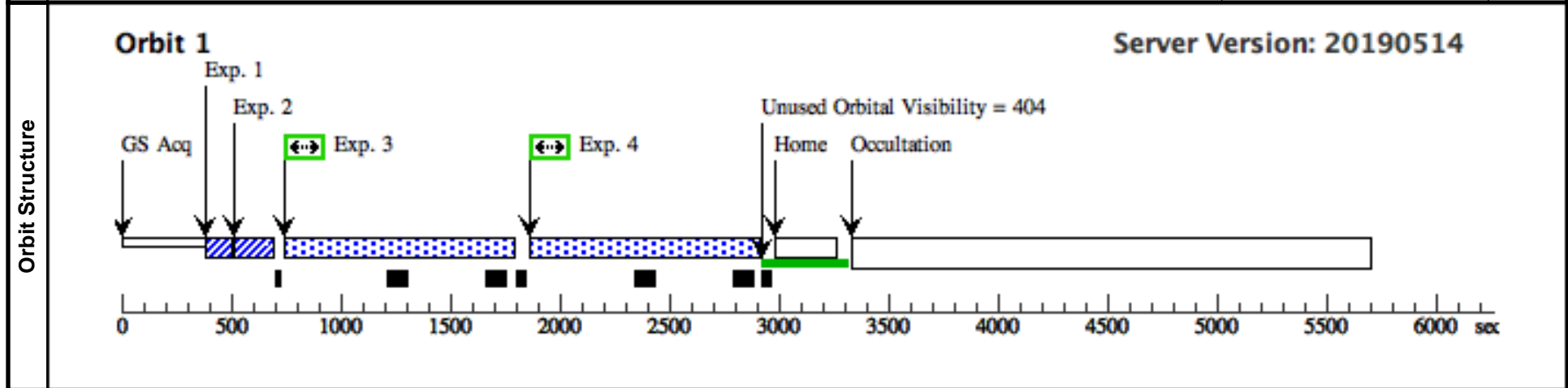
Proposal 16011 - WD1743-521 (0J) - Extreme evolved solar systems (EESS)

Fri Oct 04 19:02:12 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1743-521 (0J)</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(109)	WD1743-521	RA: 17 47 46.9220 (266.9455083d) Dec: -52 07 10.98 (-52.11972d) Equinox: J2000	Proper Motion RA: 48.0 mas/yr Proper Motion Dec: -121.2 mas/yr Epoch of Position: 2000.0	V=15.686+/-0.065 GALEX FUV=15.68 GALEX N UV=15.59, O6CQ03010, SWP30386L	Reference Frame: ICRS
<i>Comments: Magnetic, Teff=20000K logg=8.0, DAH, B=36MG</i>					
<i>Category=STAR</i>					
<i>Description=[DA]</i>					
<i>Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3234)	(109) WD1743-521	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				5 Secs (5 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3234)	(109) WD1743-521	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			5 Secs (5 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3694)	(109) WD1743-521	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3694)	(109) WD1743-521	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=44 5; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[1]



Proposal 16011 - WD1105-048 (60) - Extreme evolved solar systems (EES)

Fri Oct 04 19:02:12 GMT 2019

<b>Visit</b>	<b>Proposal 16011, WD1105-048 (60)</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: COS/FUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(60)	WD1105-048	RA: 11 07 59.9500 (166.9997917d) Dec: -05 09 26.11 (-5.15725d) Equinox: J2000	Proper Motion RA: -55.3 mas/yr Proper Motion Dec: -437.7 mas/yr Epoch of Position: 2000.0	V=13.12+/-0.1 GALEX FUV=13.32 GALEX N UV=13.76, SWP28184L	Reference Frame: ICRS
<i>Comments: Wide binary, Teff=15141K logg=7.85, DA + M3V (G163-51, V=12.6), 280"</i>					
<i>Category=STAR Description=[DA] Extended=NO</i>					

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/PEAK XD (COS.sa.101 3155)	(60) WD1105-048	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs (2 Secs) [==>]	[1]
2	ACQ/PEAK D (COS.sa.101 3155)	(60) WD1105-048	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=0.9; NUM-POS=5; CENTER=DEF			2 Secs (2 Secs) [==>]	[1]
3	FP-POS3 (COS.sp.101 3619)	(60) WD1105-048	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=3			400 Secs (400 Secs) [==>]	[1]
4	FP-POS4 (COS.sp.101 3619)	(60) WD1105-048	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 5; FLASH=YES; FP-POS=4			400 Secs (400 Secs) [==>]	[1]

