



16012 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

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>
01	(1) 2MASSJ04190798+1731291	COS/NUV	1	03-Oct-2019 11:00:37.0	yes
02	(2) 2MASSJ04303486+1544023	COS/NUV	1	03-Oct-2019 11:00:39.0	yes
08	(8) 2MASSJ04295771+1640222	COS/NUV	1	03-Oct-2019 11:00:40.0	yes
09	(9) 2MASSJ04233231+1440137	COS/NUV	1	03-Oct-2019 11:00:41.0	yes
10	(10) 2MASSJ04360525+1541026	COS/NUV	1	03-Oct-2019 11:00:41.0	yes
15	(15) 2MASSJ04402546+1630495	COS/NUV	1	03-Oct-2019 11:00:42.0	yes
16	(16) 2MASSJ04274701+1425041	COS/NUV	1	03-Oct-2019 11:00:43.0	yes
19	(19) 2MASSJ04395095+1243426	COS/NUV	1	03-Oct-2019 11:00:44.0	yes
23	(23) 2MASSJ04522352+1859489	COS/NUV	1	03-Oct-2019 11:00:45.0	yes
24	(24) 2MASSJ04272532+1415384	COS/NUV	1	03-Oct-2019 11:00:46.0	yes
30	(30) 2MASSJ04500069+1624436	COS/NUV	1	03-Oct-2019 11:00:47.0	yes

Proposal 16012 (STScI Edit Number: 2, Created: Thursday, October 3, 2019 at 10:01:12 AM 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>
36	(36) 2MASSJ04341113+1133285	COS/NUV	1	03-Oct-2019 11:00:48.0	yes
37	(37) 2MASSJ04052565+1926316	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:00:49.0	yes
38	(38) 2MASSJ04510241+1458167	COS/NUV	1	03-Oct-2019 11:00:49.0	yes
39	(39) 2MASSJ04471851+0627113	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:00:50.0	yes
44	(44) 2MASSJ04412780+1404340	COS/NUV	1	03-Oct-2019 11:00:51.0	yes
45	(45) 2MASSJ04332699+1302438	STIS/CCD	1	03-Oct-2019 11:00:52.0	yes
48	(48) 2MASSJ04495209+0606336	COS/NUV	1	03-Oct-2019 11:00:53.0	yes
49	(49) 2MASSJ03434706+2051363	COS/NUV	1	03-Oct-2019 11:00:54.0	yes
50	(50) 2MASSJ04354850+1317169	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:00:54.0	yes
51	(51) 2MASSJ02253841+3732339	STIS/CCD	1	03-Oct-2019 11:00:55.0	yes
54	(54) 2MASSJ03590972+2628340	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:00:56.0	yes
55	(55) 2MASSJ03591417+2202380	COS/NUV	1	03-Oct-2019 11:00:56.0	yes
56	(56) 2MASSJ03591499+1639520	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:00:57.0	yes
57	(57) 2MASSJ03592659+2323077	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:00:57.0	yes
59	(59) 2MASSJ04213508+1441427	COS/NUV	1	03-Oct-2019 11:00:58.0	yes
60	(60) 2MASSJ04240740+2207079	COS/NUV	1	03-Oct-2019 11:00:59.0	yes
62	(62) 2MASSJ04264760+2114059	COS/NUV	1	03-Oct-2019 11:01:00.0	yes
64	(64) 2MASSJ04291234+1516259	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:01:01.0	yes
67	(67) 2MASSJ04333795+1645450	COS/NUV	1	03-Oct-2019 11:01:01.0	yes
68	(68) 2MASSJ04343216+1549392	COS/NUV	1	03-Oct-2019 11:01:02.0	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>
69	(69) 2MASSJ04343992+1512325	COS/NUV	1	03-Oct-2019 11:01:03.0	yes
70	(70) 2MASSJ04350330+2451146	COS/NUV	1	03-Oct-2019 11:01:04.0	yes
72	(72) 2MASSJ04470892+2052564	COS/NUV	1	03-Oct-2019 11:01:05.0	yes
73	(73) 2MASSJ04493586+2145391	COS/NUV	1	03-Oct-2019 11:01:05.0	yes
74	(74) 2MASSJ04513356+1417109	COS/NUV	1	03-Oct-2019 11:01:06.0	yes
76	(76) 2MASSJ05054038+0627545	COS/NUV	1	03-Oct-2019 11:01:07.0	yes
77	(77) 2MASSJ04282878+1741453	COS/NUV	1	03-Oct-2019 11:01:08.0	yes
79	(79) 2MASSJ03223165+2858291	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:01:09.0	yes
80	(80) 2MASSJ04112766+1559317	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:01:09.0	yes
81	(81) 2MASSJ04162538+1410172	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:01:10.0	yes
82	(82) 2MASSJ04135234+1521538	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:01:10.0	yes
84	(84) 2MASSJ04175555+1432464	STIS/CCD STIS/NUV-MAMA	1	03-Oct-2019 11:01:11.0	yes
85	(85) 2MASSJ03524271+2512260	STIS/CCD	1	03-Oct-2019 11:01:11.0	yes

44 Total Orbits Used

ABSTRACT

Because of its proximity, the 650-Myr-old Hyades open cluster is a unique resource for exploring the relationship between magnetic activity, rotation, and age in low-mass stars. While the cluster has been largely ignored in UV studies of the dependence of activity on rotation, we now have an extensive and growing set of complementary rotation period, $H\alpha$, and X-ray measurements with which to examine in detail the rotation-activity relation at 650 Myr and to constrain theories of magnetic heating. We propose to measure Mg II line emission, the strongest NUV activity tracer, in COS spectra of 86 Hyads ranging in spectral type from G to M with known rotation periods or currently being observed by K2. These stars form a representative sample of low-mass Hyads with known periods and are a significant addition to, and expansion of, the sample of 20 mainly

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solar-mass rotators with existing (mostly low-resolution) IUE NUV spectra. The Mg II measurements will contribute significantly to our goal of mapping out the rotation-activity relation star-by-star in this benchmark open cluster. This, in turn, will move us toward an improved understanding of the radiation environment and habitability of the exoplanets we continue to find around low-mass stars.

OBSERVING DESCRIPTION

We select two groups of SNAP targets. With the first group, our focus is on completely characterizing the low-mass Hyads for which we have a measured rotation period and H α and X-ray data, a total of 75 <1.1 Msun stars. Twenty of these stars have existing IUE spectra, and we are therefore left with 55 stars for which we require HST NUV spectroscopy. We then select additional Hyades SNAP targets that have previously measured periods but no X-ray detections, as well as stars from our approved target list for K2 Campaign 13. While the K2 targets do not have measured periods yet, based on our analysis of Campaign 4 data we will measure periods for ~80% of them (Douglas et al. 2016).

To compute the exposure times for these targets, we need to select an input spectral energy distribution and magnitude. For G stars, we use the default Bruzual synthetic stellar spectra provided by the COS ETC. For K1 to M5 stars, we input MUSCLES SEDs into the ETC, since these are based in part on HST UV spectra (Lloyd et al. 2016), and model spectra for these stars are known to underestimate the chromospheric contribution to the UV.

Thirty SNAP targets have GALEX NUV magnitudes, and we use these to compute the exposure times for these stars. For the remaining stars, we use the 356 cluster members with GALEX NUV detections to estimate average absolute NUV magnitudes as a function of spectral type. We then find the appropriate absolute NUV magnitude for each target based on spectral type, and convert these to apparent NUV magnitudes. Comparisons between our estimated NUV magnitudes for those targets that also have measured GALEX NUV magnitudes indicate that the estimated NUV magnitudes are reasonable. For solar-mass stars, our estimated magnitudes are systematically too bright by ~0.5 magnitudes, while for early M dwarfs our estimates are too conservative by roughly the same amount. For mid-M dwarfs, our estimated NUV magnitudes are again too bright, and so to be conservative we add a 0.5 magnitude to the NUV magnitudes we derive to calculate their exposure times.

The results of this procedure warrant a two-pronged approach: for 19 targets, the required exposures correspond to at least one HST orbit, and 17 of those targets were included in a separate GO program (15090). For 86 other targets, a snapshot program is more appropriate, and those are the targets listed here.

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To finalize our observing strategy, we followed Instrument Science Report COS 2017-01 to assess the safety of observing our M-dwarf targets. This is a multiple-step process: first, we obtained a spectral type for our targets. For most stars this was done directly from our MDM spectra; for others we converted absolute K magnitudes into spectral types, following the relations laid out in Kraus & Hillenbrand (2007). These spectral types were converted into (U-V) colors using the data presented in Pecaut & Mamajek (2013). We then searched the literature for V magnitudes for our targets; for stars lacking a V in the literature, we computed one from e.g., Sloan Digital Sky Survey (g-r) colors. We combined these V magnitudes with the (U-V) color to obtain the U magnitudes needed to characterize the potential impact of flares on our observations. Our comparisons of these U magnitudes to those in the literature for our targets that have U-band measurements indicate that our derived U magnitudes have uncertainties ~ 0.3 - 0.5 magnitudes.

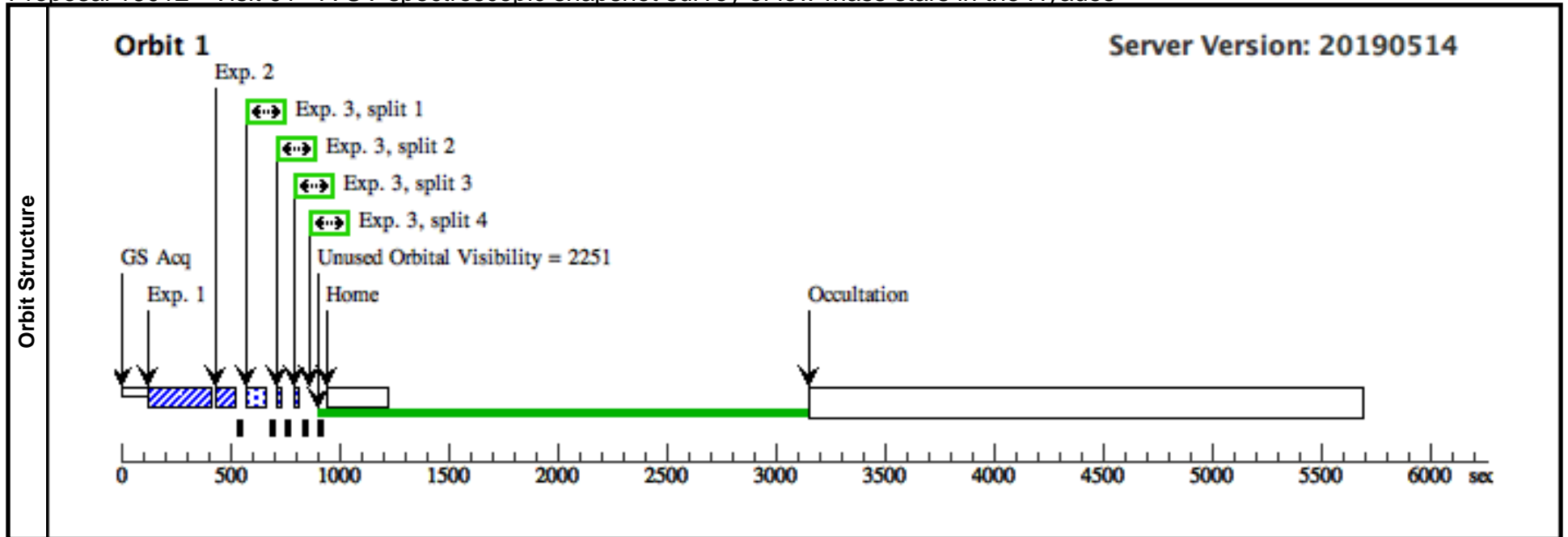
Finally, we used our MDM spectra to determine whether, based on their measured H α EqWs, our targets are magnetically active. This sets the maximum U-band magnitude increases (ΔU) of the brightest flare that would occur with a probability of 10^{-4} . We then computed $U_{\text{flare}} = U_{\text{quiescent}} + \Delta U$ and determined global and local count rates for a flare of this magnitude using COS ETC calculations for the NUV. All of our targets are well below the count-rate limits for the COS photon-counting detectors.

Our instrumental set-up is as follows: we wish to observe our targets using COS in low-resolution mode with the G230L grating. Centered at 2950 Å, the resulting spectra will cover the Mg II h and k lines, which are the strongest NUV tracers of magnetic activity. We set up the exposure in ACQ/IMAGE mode, requesting $S/N = 40$ in the COST ETC. For targets that are bright enough to generate count warnings in the MIRROR A + PSA configuration, we set MIRROR B + PSA, or MIRROR A + BOA, as the combination for image acquisition. We use TIME-TAG mode for the actual observation of each target and set FP-POS = 4. The exposure times we calculate insure that we have a $S/N > 10$ in the Mg II lines, which based on the IUE spectra is what is required to measure these lines confidently, and a $S/N > 5$ (and generally also close to 10) for the nearby continuum, based on the input spectra/SEDs.

Proposal 16012 - Visit 01 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:12 GMT 2019

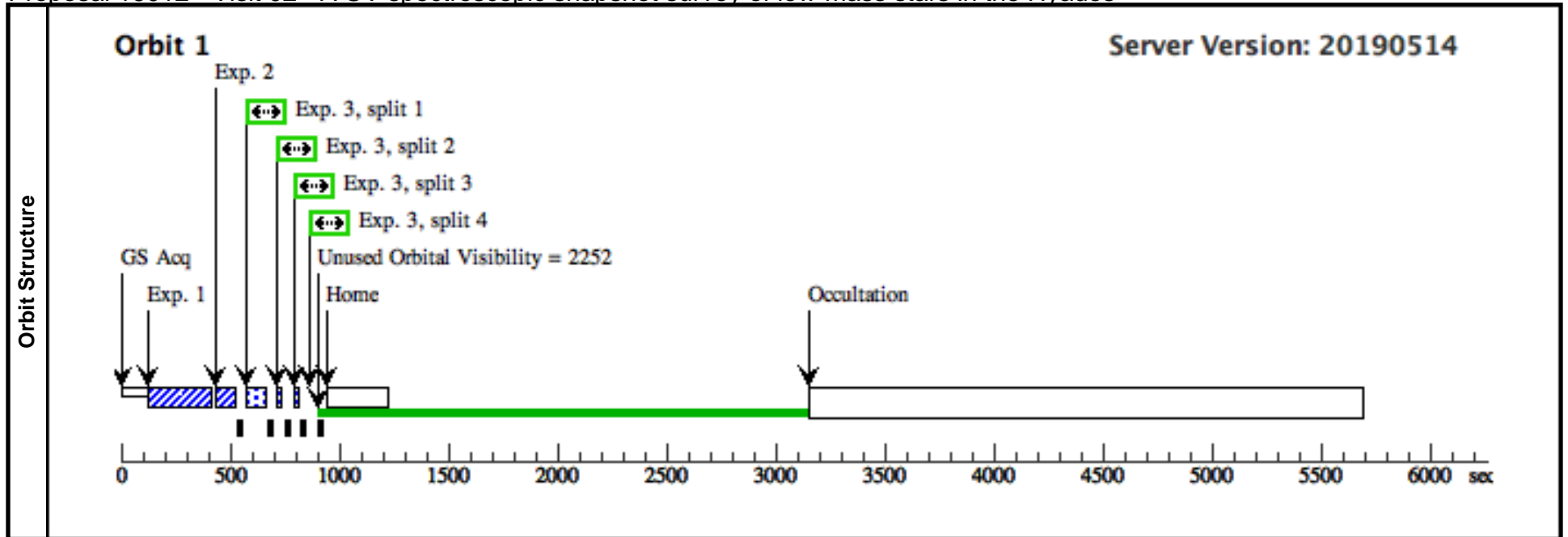
Visit	Proposal 16012, Visit 01 Diagnostic Status: Warning Scientific Instruments: COS/NUV Special Requirements: (none)									
	(Visit 01) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION (Visit 01) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION (Visit 01) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION (Visit 01) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION									
Diagnosics										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	2MASSJ04190798+1731291	RA: 04 19 8.0081 (64.7833671d) Dec: +17 31 29.12 (17.52476d) Equinox: J2000	Proper Motion RA: 113.001 mas/yr Proper Motion Dec: -28.053 mas/yr Epoch of Position: 2000	V=8.43 14.36	Reference Frame: ICRS				
Comments: Position and proper motions updated to Gaia DR2 values. Category=STAR Description=[G V-IV] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043277)	(1) 2MASSJ04190798+1731291	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				0.4 Secs (0.4 Secs) [==>]	[1]
	2	(1043278)	(1) 2MASSJ04190798+1731291	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			0.4 Secs (0.4 Secs) [==>]	[1]
	3	(1020009)	(1) 2MASSJ04190798+1731291	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80; FP-POS=ALL; FLASH=YES			4.5 Secs (18 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



Proposal 16012 - Visit 02 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:12 GMT 2019

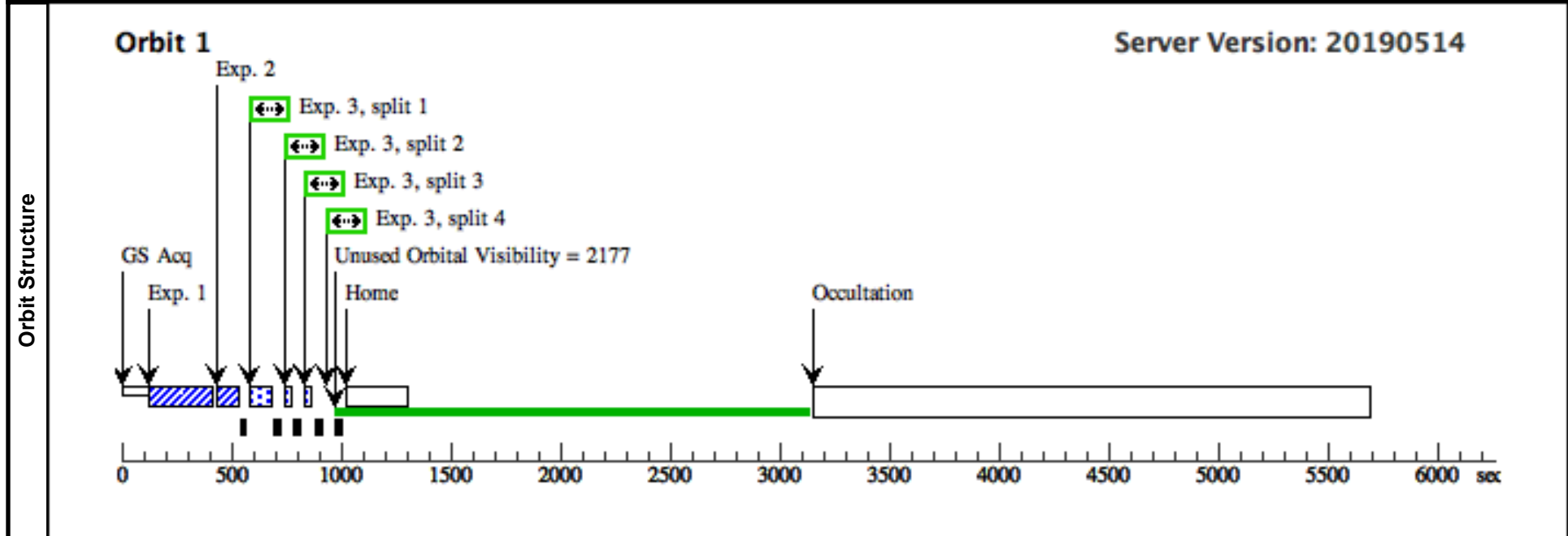
Visit	Proposal 16012, Visit 02 Diagnostic Status: Warning Scientific Instruments: COS/NUV Special Requirements: (none)										
	(Visit 02) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION (Visit 02) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION (Visit 02) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION (Visit 02) Warning (Orbit Planner): COS EXPOSURE TIME ADJUSTED TO WAVECAL LAMP FLASH DURATION										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(2)	2MASSJ04303486+1544023	RA: 04 30 34.8782 (67.6453258d) Dec: +15 44 2.40 (15.73400d) Equinox: J2000	Proper Motion RA: 99.251 mas/yr Proper Motion Dec: -27.133 mas/yr Epoch of Position: 2000		V=8.84 14.52	Reference Frame: ICRS				
Comments: Position and proper motions updated to Gaia DR2 values. Category=STAR Description=[K V-IV] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(1043293)	(2) 2MASSJ04303486+1544023	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				0.2 Secs (0.2 Secs) [==>]		[1]
	2	(1043294)	(2) 2MASSJ04303486+1544023	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			0.3 Secs (0.3 Secs) [==>]		[1]
	3	(1020020)	(2) 2MASSJ04303486+1544023	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80; FP-POS=ALL; FLASH=YES			5.7 Secs (22.8 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]



Visit	Proposal 16012, Visit 08				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	2MASSJ04295771+1640222	RA: 04 29 57.7281 (67.4905337d) Dec: +16 40 22.23 (16.67284d) Equinox: J2000	Proper Motion RA: 106.625 mas/yr Proper Motion Dec: -28.407 mas/yr Epoch of Position: 2000	V=9.07 15.71	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043287)	(8) 2MASSJ04295771+1640222	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				1.4 Secs (1.4 Secs) [==>]	[1]
	2	(1043288)	(8) 2MASSJ04295771+1640222	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			1.4 Secs (1.4 Secs) [==>]	[1]
	3	(1030903)	(8) 2MASSJ04295771+1640222	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80; FP-POS=ALL; FLASH=YES			16.1 Secs (64.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



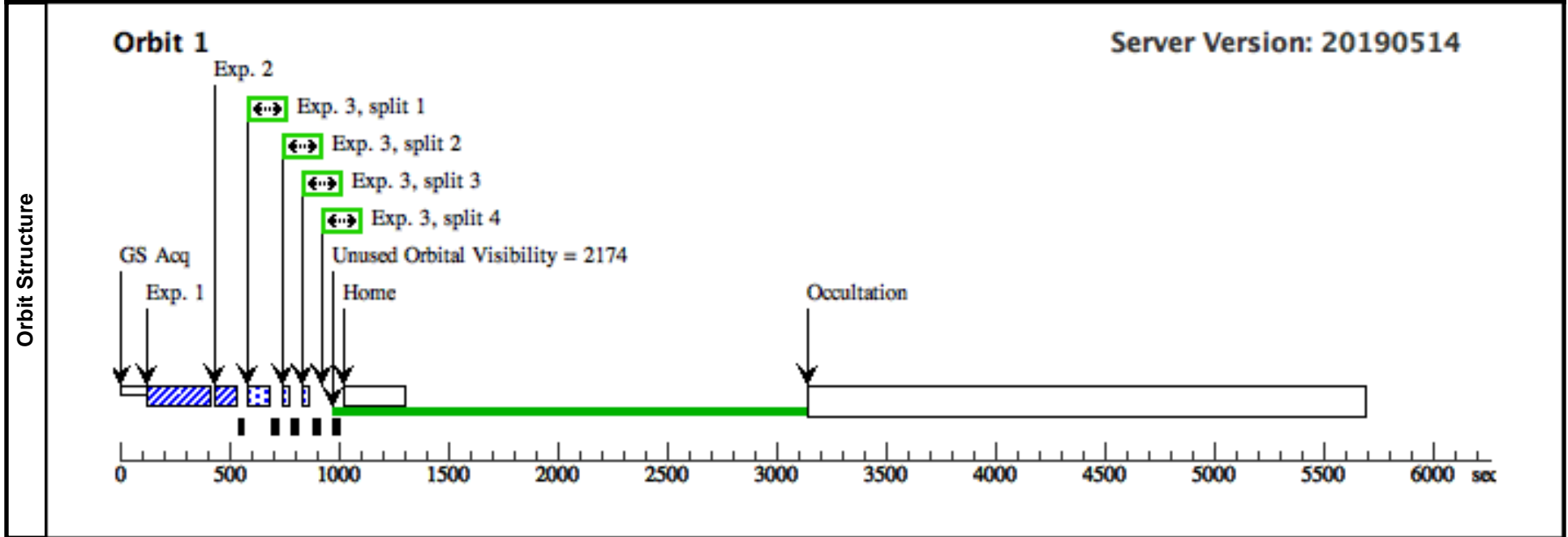
Proposal 16012 - Visit 09 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:12 GMT 2019

Visit	Proposal 16012, Visit 09				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	2MASSJ04233231+1440137	RA: 04 23 32.3332 (65.8847217d) Dec: +14 40 13.72 (14.67048d) Equinox: J2000	Proper Motion RA: 109.352 mas/yr Proper Motion Dec: -17.981 mas/yr Epoch of Position: 2000	V=9.10 15.70	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043289)	(9) 2MASSJ04233231+1440137	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				1.4 Secs (1.4 Secs) [==>]	[1]
	2	(1043290)	(9) 2MASSJ04233231+1440137	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			1.4 Secs (1.4 Secs) [==>]	[1]
	3	(1020014)	(9) 2MASSJ04233231+1440137	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80; FP-POS=ALL; FLASH=YES			15.9 Secs (63.6 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



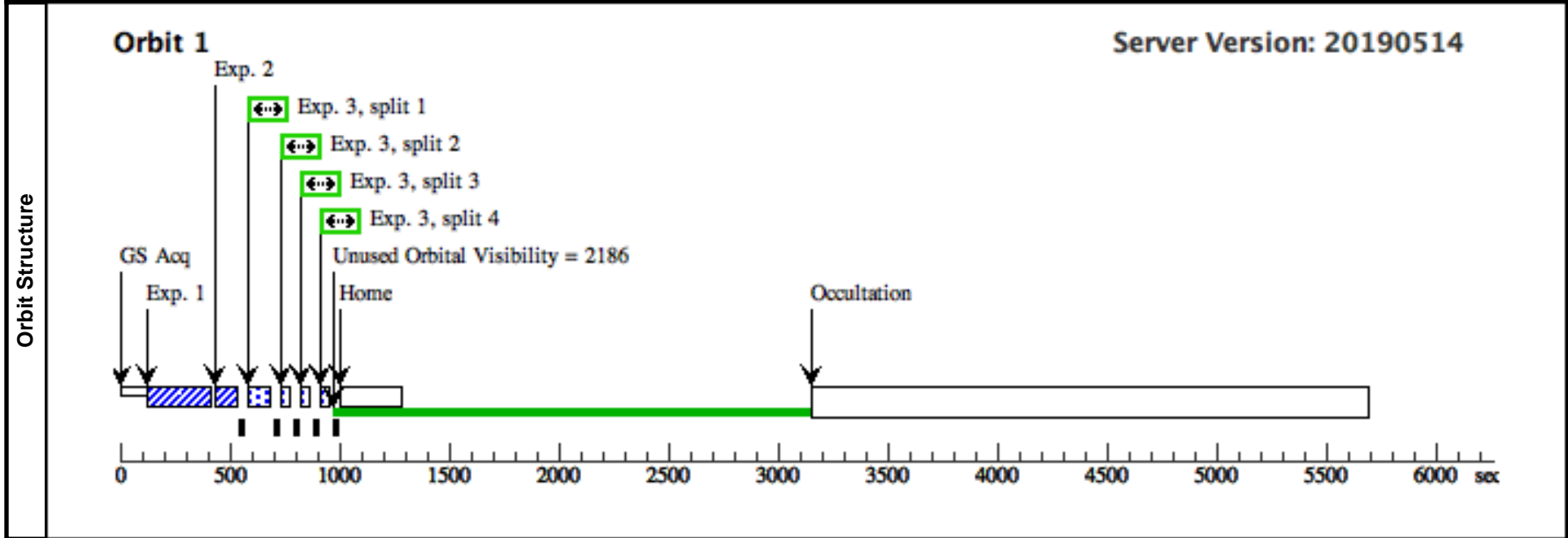
Proposal 16012 - Visit 10 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:12 GMT 2019

Visit	Proposal 16012, Visit 10				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	2MASSJ04360525+1541026	RA: 04 36 5.2674 (69.0219475d) Dec: +15 41 2.42 (15.68401d) Equinox: J2000	Proper Motion RA: 95.388 mas/yr Proper Motion Dec: -24.197 mas/yr Epoch of Position: 2000	V=9.35 16.01	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043291)	(10) 2MASSJ04360525+1541026	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				1.9 Secs (1.9 Secs) [==>]	[1]
	2	(1043292)	(10) 2MASSJ04360525+1541026	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			2.0 Secs (2 Secs) [==>]	[1]
	3	(1030904)	(10) 2MASSJ04360525+1541026	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=87 3; FP-POS=ALL; FLASH=YES			21.3 Secs (85.2 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



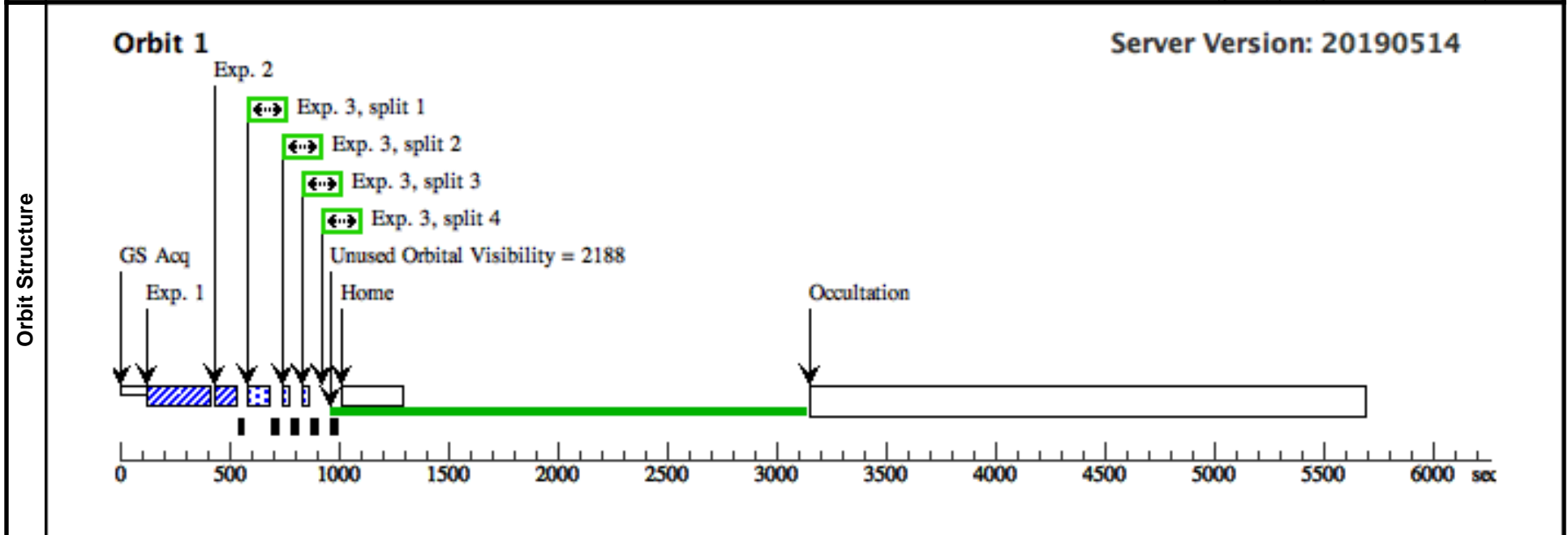
Proposal 16012 - Visit 15 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:12 GMT 2019

Visit	Proposal 16012, Visit 15				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	2MASSJ04402546+1630495	RA: 04 40 25.4600 (70.1060833d) Dec: +16 30 49.50 (16.51375d) Equinox: J2000	Proper Motion RA: 130.347 mas/yr Proper Motion Dec: -26.569 mas/yr Epoch of Position: 2000	V=9.48 16.51	Reference Frame: ICRS
<i>Comments: Proper motion updated to reflect Gaia 2018 data release. The 2018 Gaia position has (relatively) large uncertainties (04 40 25.4307 +16 30 49.3975, 0.5398 0.2054), presumably due to binary nature of this star, which is not something first two data releases handle well, so the position is (still) from 2MASS.</i>					
Category=STAR Description=[K V-IV] Extended=NO					

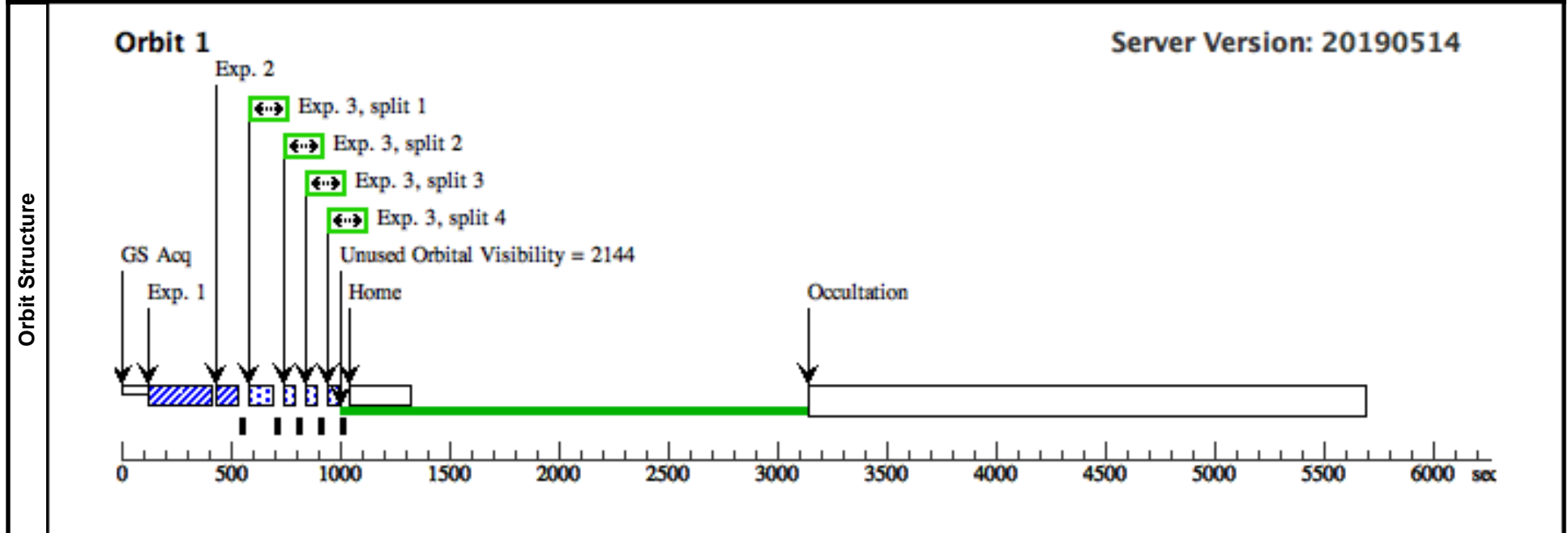
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1043322)	(15) 2MASSJ04402546+1630495	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				1.9 Secs (1.9 Secs) [==>]	[1]
2	(1043323)	(15) 2MASSJ04402546+1630495	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			2.0 Secs (2 Secs) [==>]	[1]
3	(1020211)	(15) 2MASSJ04402546+1630495	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80; FP-POS=ALL; FLASH=YES			13.1 Secs (52.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



Visit	Proposal 16012, Visit 16				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	2MASSJ04274701+1425041	RA: 04 27 47.0354 (66.9459808d) Dec: +14 25 3.90 (14.41775d) Equinox: J2000	Proper Motion RA: 100.507 mas/yr Proper Motion Dec: -19.254 mas/yr Epoch of Position: 2000	V=9.48 16.31	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043303)	(16) 2MASSJ04274701+1425041	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				1.3 Secs (1.3 Secs) [==>]	[1]
	2	(1043304)	(16) 2MASSJ04274701+1425041	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			1.4 Secs (1.4 Secs) [==>]	[1]
	3	(1030923)	(16) 2MASSJ04274701+1425041	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=74 1; FP-POS=ALL; FLASH=YES			30.2 Secs (120.8 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



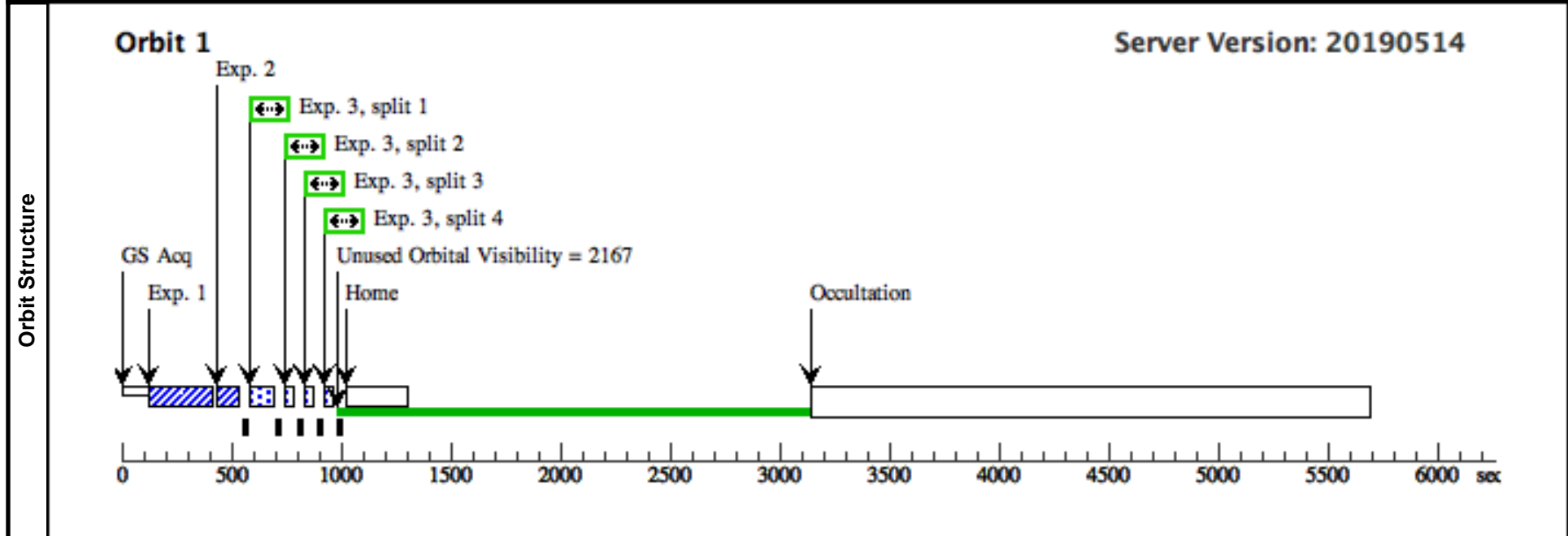
Proposal 16012 - Visit 19 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 19				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(19)	2MASSJ04395095+1243426	RA: 04 39 50.9111 (69.9621296d) Dec: +12 43 42.66 (12.72852d) Equinox: J2000	Proper Motion RA: 02.79 mas/yr Proper Motion Dec: -17.85 mas/yr Epoch of Position: 2000	V=10.0 17.10	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043326)	(19) 2MASSJ04395095+1243426	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				3.4 Secs (3.4 Secs) [==>]	[1]
	2	(1043327)	(19) 2MASSJ04395095+1243426	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			3.8 Secs (3.8 Secs) [==>]	[1]
	3	(1020065)	(19) 2MASSJ04395095+1243426	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=11 31; FP-POS=ALL; FLASH=YES			22.7 Secs (90.8 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



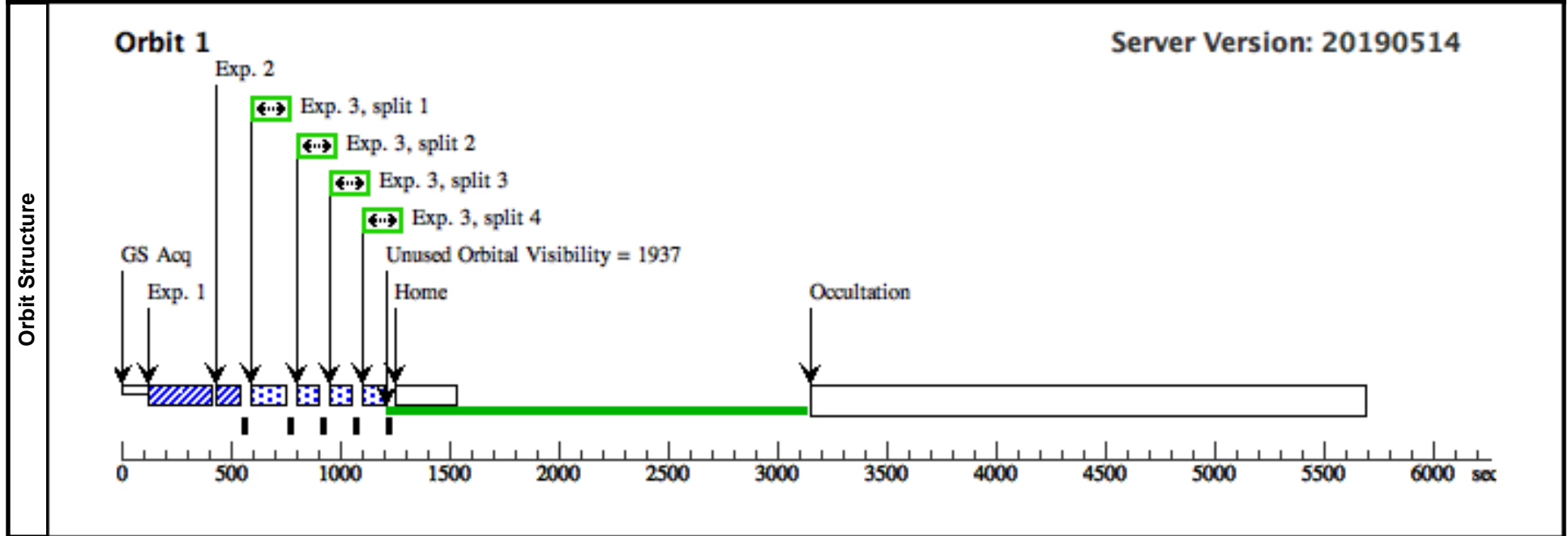
Proposal 16012 - Visit 23 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 23				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(23)	2MASSJ04522352+1859489	RA: 04 52 23.4826 (73.0978442d) Dec: +18 59 49.18 (18.99699d) Equinox: J2000	Proper Motion RA: 76.07 mas/yr Proper Motion Dec: -31.76 mas/yr Epoch of Position: 2000	V=10.3 17.35	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[K V-IV] Extended=NO					

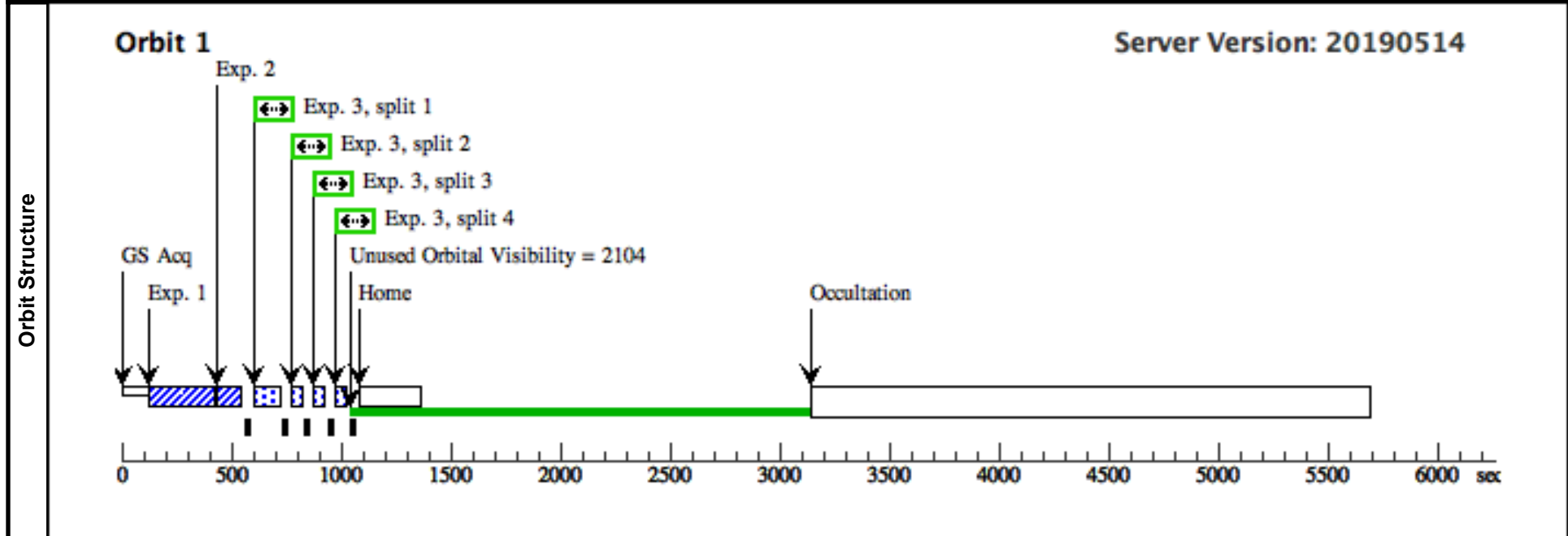
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043309)	(23) 2MASSJ04522352+1859489	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				3.8 Secs (3.8 Secs) [==>]	[1]
	2	(1043310)	(23) 2MASSJ04522352+1859489	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			4.2 Secs (4.2 Secs) [==>]	[1]
	3	(1030909)	(23) 2MASSJ04522352+1859489	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=11 68; FP-POS=ALL; FLASH=YES			81.6 Secs (326.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



Visit	Proposal 16012, Visit 24				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(24)	2MASSJ04272532+1415384	RA: 04 27 25.3385 (66.8555771d) Dec: +14 15 38.40 (14.26067d) Equinox: J2000	Proper Motion RA: 104.361 mas/yr Proper Motion Dec: -20.093 mas/yr Epoch of Position: 2000	V=10.31 17.59	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043333)	(24) 2MASSJ04272532+1415384	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				5.8 Secs (5.8 Secs) [==>]	[1]
	2	(1043334)	(24) 2MASSJ04272532+1415384	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			6.7 Secs (6.7 Secs) [==>]	[1]
	3	(1020051)	(24) 2MASSJ04272532+1415384	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=13 12; FP-POS=ALL; FLASH=YES			36.0 Secs (144 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



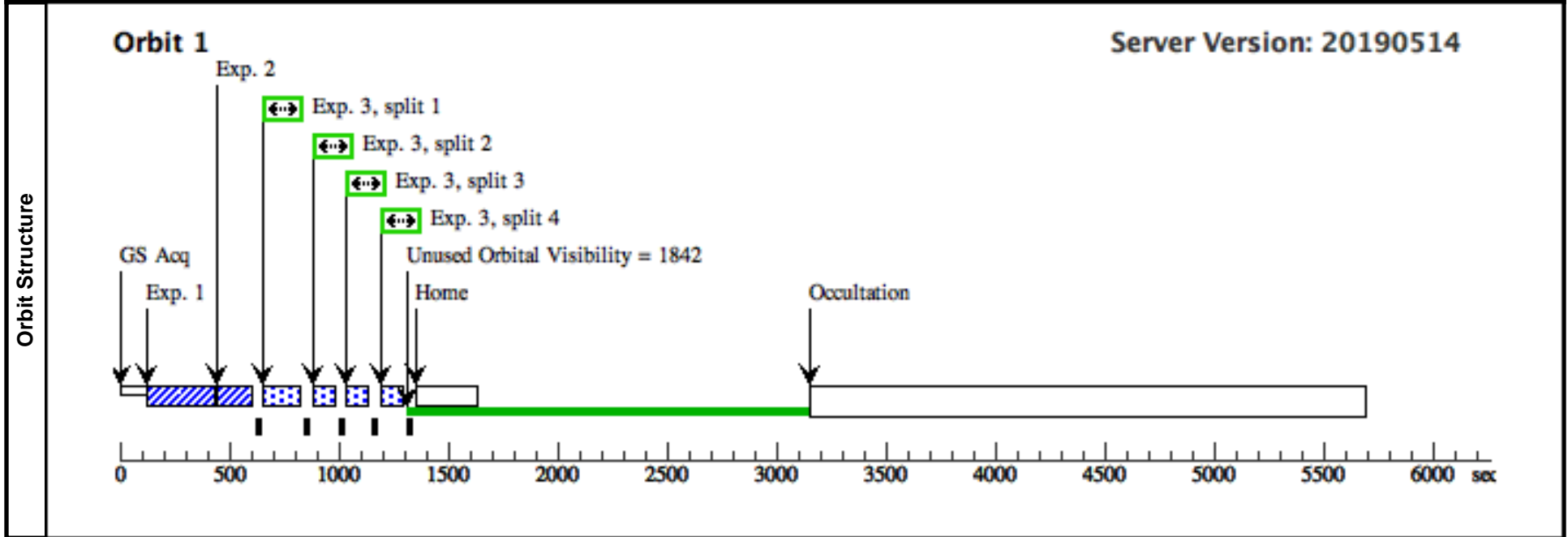
Proposal 16012 - Visit 30 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 30				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(30)	2MASSJ04500069+1624436	RA: 04 50 0.7135 (72.5029729d) Dec: +16 24 43.42 (16.41206d) Equinox: J2000	Proper Motion RA: 84.040 mas/yr Proper Motion Dec: -27.116 mas/yr Epoch of Position: 2000	V=10.69 18.53	Reference Frame: ICRS
	<i>Comments: Position and proper motion updated to reflect Gaia 2018 data release.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043344)	(30) 2MASSJ04500069+1624436	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				16.9 Secs (16.9 Secs) [==>]	[1]
	2	(1043345)	(30) 2MASSJ04500069+1624436	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			22.2 Secs (22.2 Secs) [==>]	[1]
	3	(1020036)	(30) 2MASSJ04500069+1624436	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=15 66; FP-POS=ALL; FLASH=YES			88.7 Secs (354.8 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



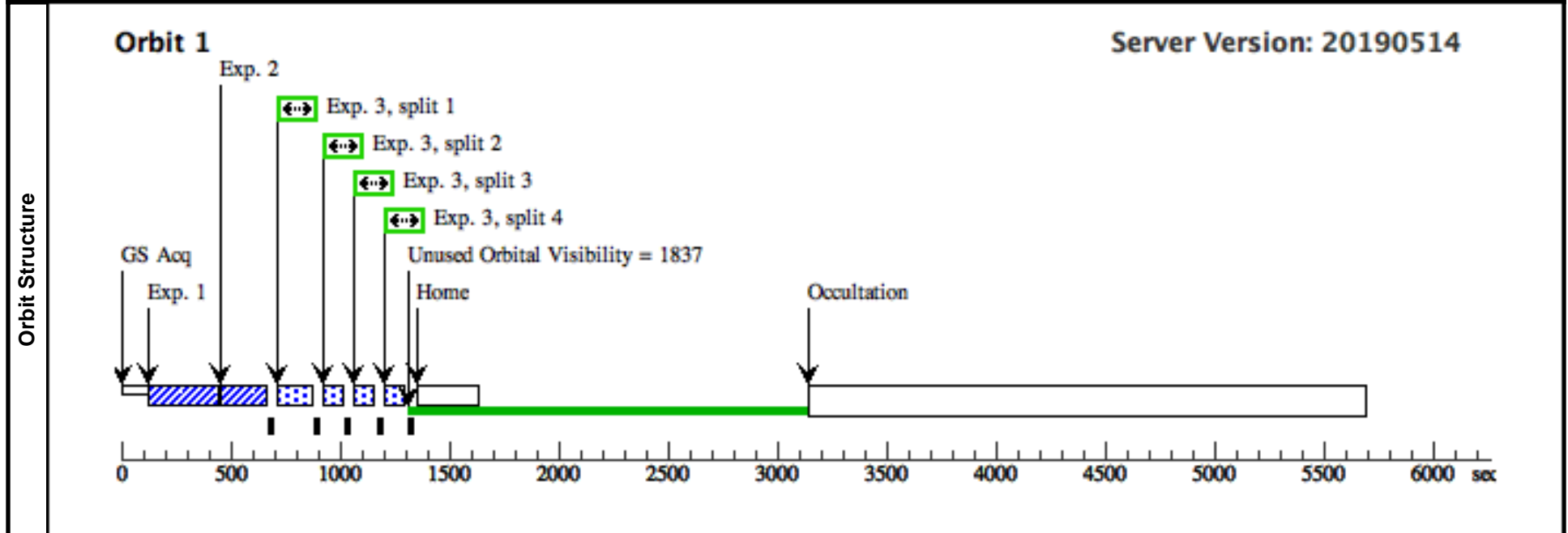
Proposal 16012 - Visit 36 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 36				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(36)	2MASSJ04341113+1133285	RA: 04 34 11.1408 (68.5464200d) Dec: +11 33 28.40 (11.55789d) Equinox: J2000	Proper Motion RA: 96.166 mas/yr Proper Motion Dec: -21.642 mas/yr Epoch of Position: 2000	V=11.7 18.69	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037269)	(36) 2MASSJ04341113+1133285	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				27.5 Secs (27.5 Secs) [==>]	[1]
	2	(1037270)	(36) 2MASSJ04341113+1133285	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			37.9 Secs (37.9 Secs) [==>]	[1]
	3	(1020098)	(36) 2MASSJ04341113+1133285	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=16 33; FP-POS=ALL; FLASH=YES			73.9 Secs (295.6 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



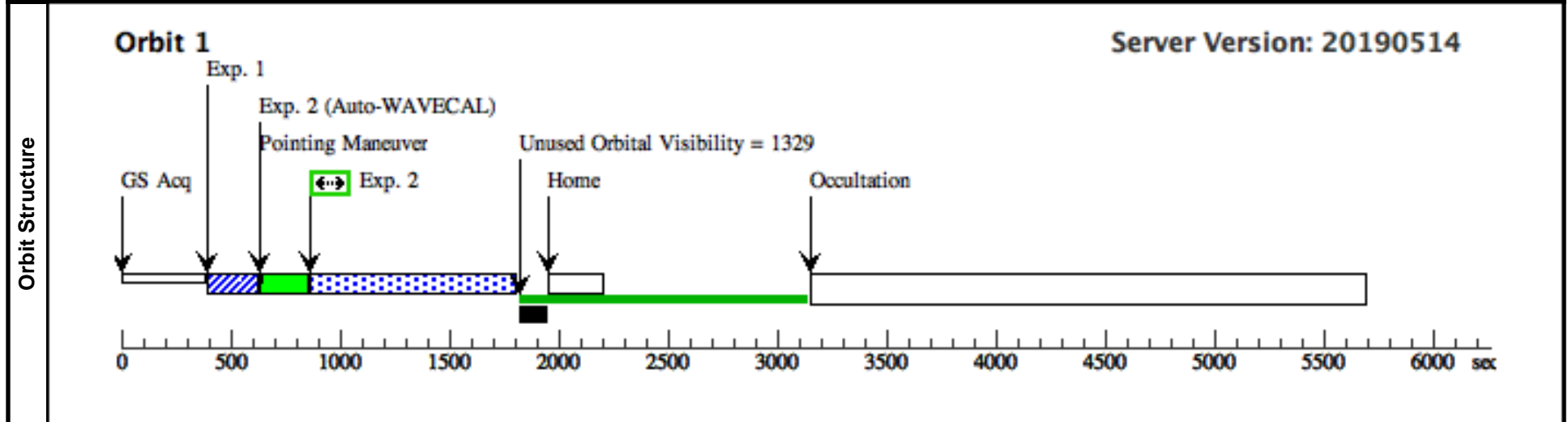
Proposal 16012 - Visit 37 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 37				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(37)	2MASSJ04052565+1926316	RA: 04 05 25.5951 (61.3566462d) Dec: +19 26 32.03 (19.44223d) Equinox: J2000	Proper Motion RA: 122.62 mas/yr Proper Motion Dec: -28.43 mas/yr Epoch of Position: 2000	V=11.7 20.04	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

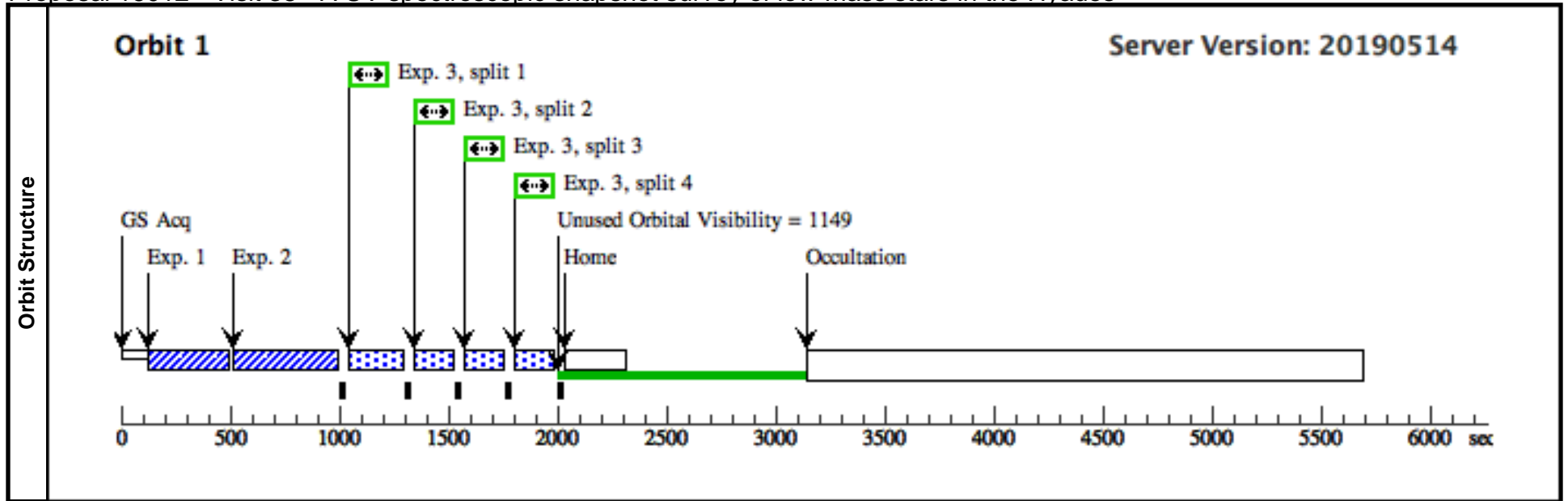
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291324)	(37) 2MASSJ04052565+1926316	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=11.70</i>									
	2	(1174908)	(37) 2MASSJ04052565+1926316	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				905.0 Secs (905 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									



Proposal 16012 - Visit 38 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 38 Diagnostic Status: Warning Scientific Instruments: COS/NUV Special Requirements: (none)									
Diagnostics	(Visit 38) Warning (Form): If the target position is not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(38)	2MASSJ04510241+1458167	RA: 04 51 2.4235 (72.7600979d) Dec: +14 58 16.68 (14.97130d) Equinox: J2000	Proper Motion RA: 96.514 mas/yr Proper Motion Dec: -23.867 mas/yr Epoch of Position: 2000	V=11.68 19.49	Reference Frame: ICRS				
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i> Category=STAR Description=[M V-IV] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037273)	(38) 2MASSJ04510241+1458167	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				82.8 Secs (82.8 Secs) [==>]	[1]
	2	(1037274)	(38) 2MASSJ04510241+1458167	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			128.8 Secs (128.8 Secs) [==>]	[1]
	3	(1020102)	(38) 2MASSJ04510241+1458167	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=17 26; FP-POS=ALL; FLASH=YES			163.3 Secs (653.2 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



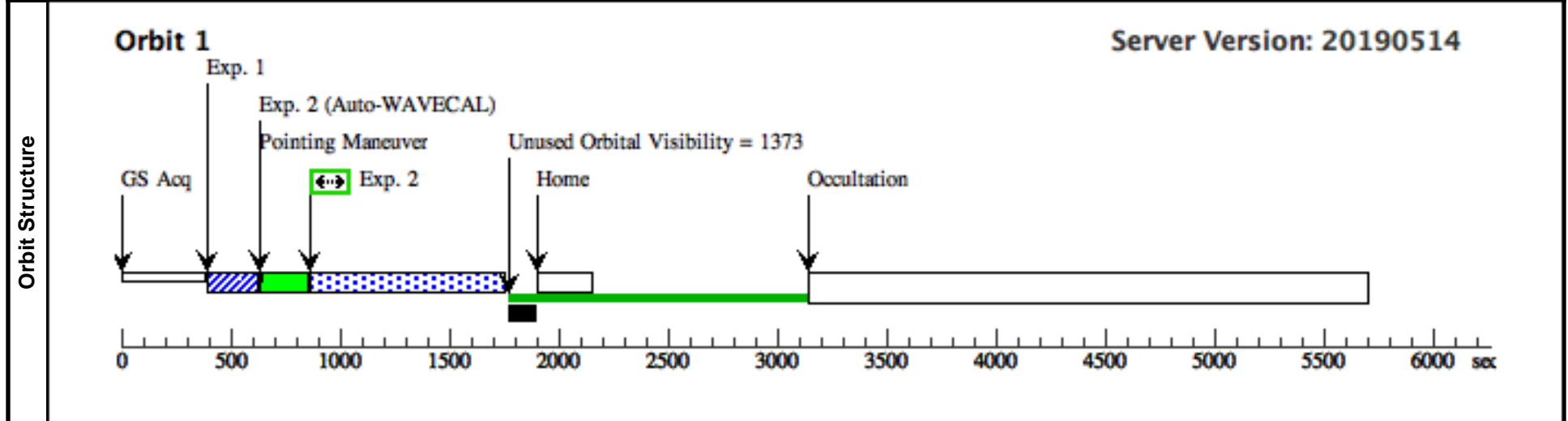
Proposal 16012 - Visit 39 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 39				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(39)	2MASSJ04471851+0627113	RA: 04 47 18.5088 (71.8271200d) Dec: +06 27 11.59 (6.45322d) Equinox: J2000	Proper Motion RA: 105.8 mas/yr Proper Motion Dec: 10.8 mas/yr Epoch of Position: 2000	V=11.3 19.98	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291322)	(39) 2MASSJ04471851+0627113	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=11.30</i>									
	2	(1174907)	(39) 2MASSJ04471851+0627113	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				849.9 Secs (849.9 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									

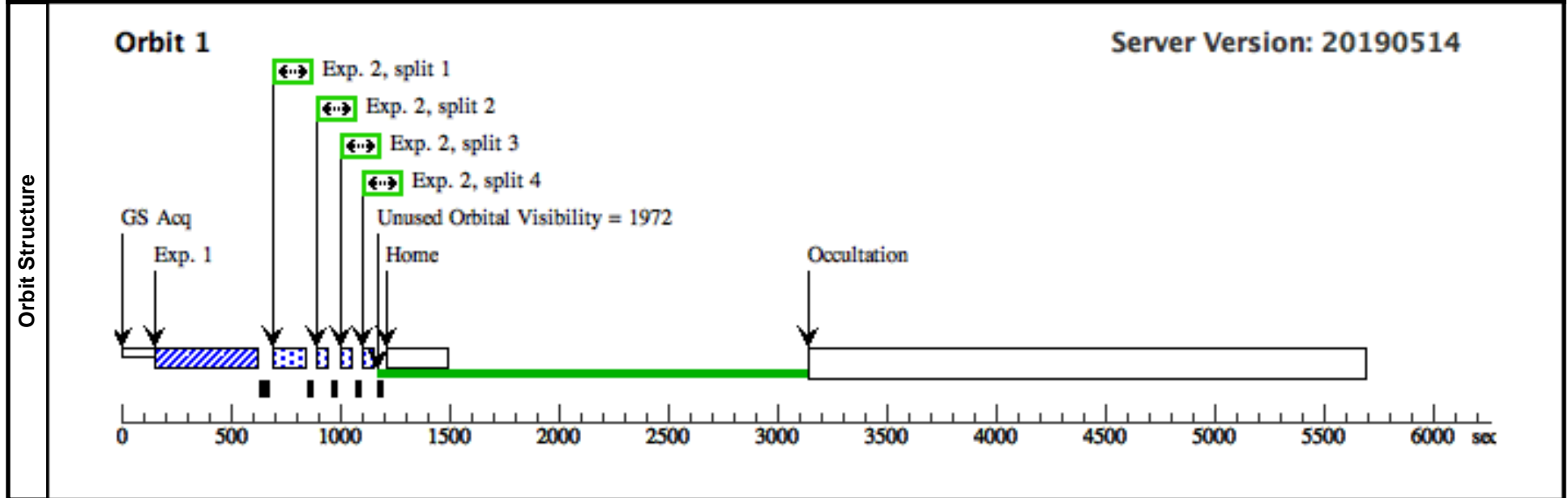


Visit	Proposal 16012, Visit 44 Diagnostic Status: Warning Scientific Instruments: COS/NUV Special Requirements: (none)
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Diagnostics	(Visit 44) Warning (Form): If the target position is not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(44)</td> <td>2MASSJ04412780+1404340</td> <td>RA: 04 41 27.8183 (70.3659096d) Dec: +14 04 34.05 (14.07612d) Equinox: J2000</td> <td>Proper Motion RA: 95.715 mas/yr Proper Motion Dec: -23.967 mas/yr Epoch of Position: 2000</td> <td>V=13.40 19.74</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(44)	2MASSJ04412780+1404340	RA: 04 41 27.8183 (70.3659096d) Dec: +14 04 34.05 (14.07612d) Equinox: J2000	Proper Motion RA: 95.715 mas/yr Proper Motion Dec: -23.967 mas/yr Epoch of Position: 2000	V=13.40 19.74	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(44)	2MASSJ04412780+1404340	RA: 04 41 27.8183 (70.3659096d) Dec: +14 04 34.05 (14.07612d) Equinox: J2000	Proper Motion RA: 95.715 mas/yr Proper Motion Dec: -23.967 mas/yr Epoch of Position: 2000	V=13.40 19.74	Reference Frame: ICRS								
Comments: Position and proper motions updated to Gaia DR2 values. Category=STAR Description=[M V-IV] Extended=NO													

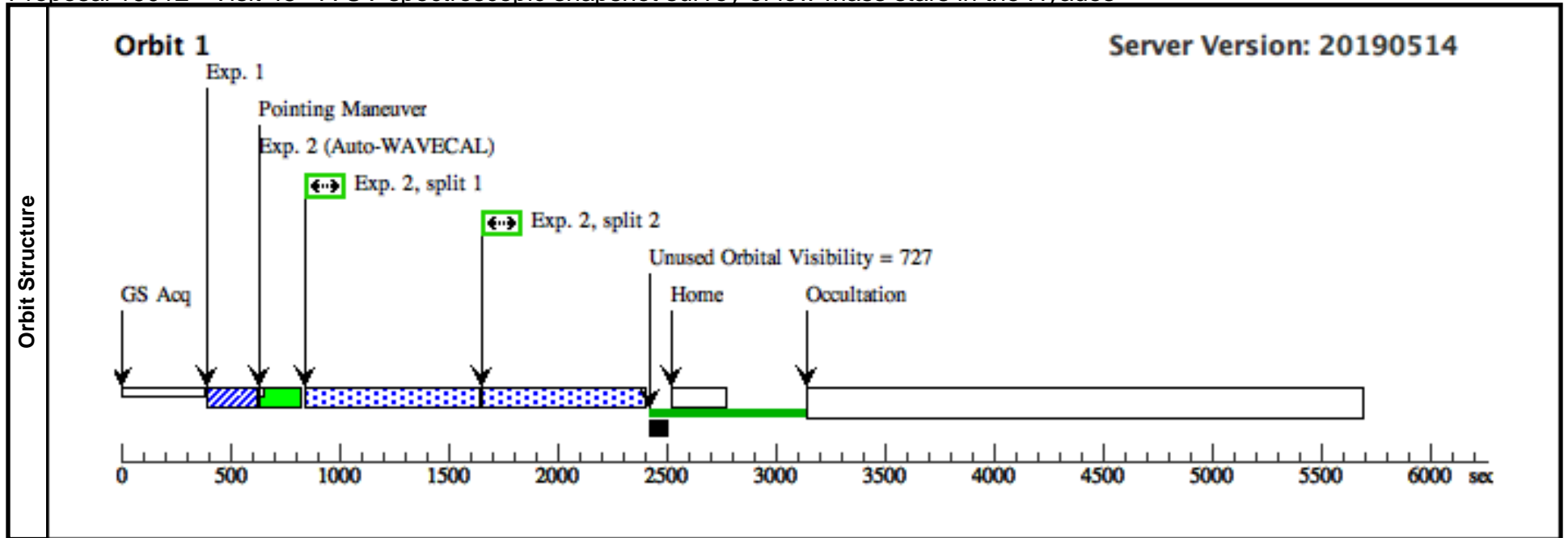
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037107)	(44) 2MASSJ04412780+1404340	COS/NUV, ACQ/IMAGE, PSA	MIRRORB					85.9 Secs (85.9 Secs) [==>]
2	(1020229)	(44) 2MASSJ04412780+1404340	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=17 64; FP-POS=ALL; FLASH=YES				38.5 Secs (154 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



Proposal 16012 - Visit 45 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 45 Diagnostic Status: Warning Scientific Instruments: STIS/CCD Special Requirements: (none)									
	(Visit 45) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS (Visit 45) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS									
Diagnosics										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(45)	2MASSJ04332699+1302438	RA: 04 33 27.0075 (68.3625313d) Dec: +13 02 43.73 (13.04548d) Equinox: J2000	Proper Motion RA: 110.322 mas/yr Proper Motion Dec: -21.469 mas/yr Epoch of Position: 2000	V=13.33 18.59	Reference Frame: ICRS				
Comments: Position and proper motions updated to Gaia DR2 values. Category=STAR Description=[M V-IV] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291327)	(45) 2MASSJ04332699+1302438	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=13.30										
2	(1364922)	(45) 2MASSJ04332699+1302438	STIS/CCD, ACCUM, 52X2E1	G230MB 2794 A				1437.9 Secs (1437.9 Secs) [==>(Split 1)] [==>(Split 2)]	[1]	
Comments: Target switched to G230MB, following suggestion from Joleen Carlberg to address issue with previous configuration violating bright object constraints. E1 pseudo-aperture location selected to address CT E warning in previous configuration.										



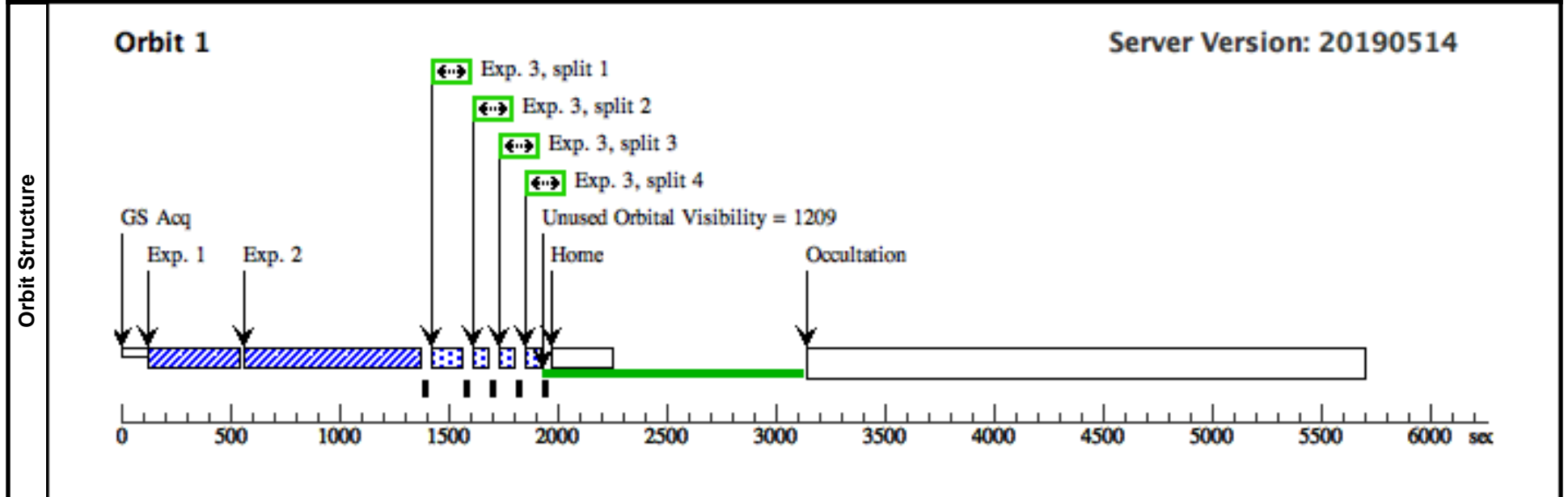
Proposal 16012 - Visit 48 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 48				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(48)	2MASSJ04495209+0606336	RA: 04 49 52.1010 (72.4670875d) Dec: +06 06 33.65 (6.10935d) Equinox: J2000	Proper Motion RA: 94.725 mas/yr Proper Motion Dec: 2.853 mas/yr Epoch of Position: 2000	V=14.73 20.28	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR					
	Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037490)	(48) 2MASSJ04495209+0606336	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				132.7 Secs (132.7 Secs) [==>]	[1]
	2	(1037491)	(48) 2MASSJ04495209+0606336	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			239.0 Secs (239 Secs) [==>]	[1]
	3	(1031068)	(48) 2MASSJ04495209+0606336	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1788; FP-POS=ALL; FLASH=YES			52.9 Secs (211.6 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



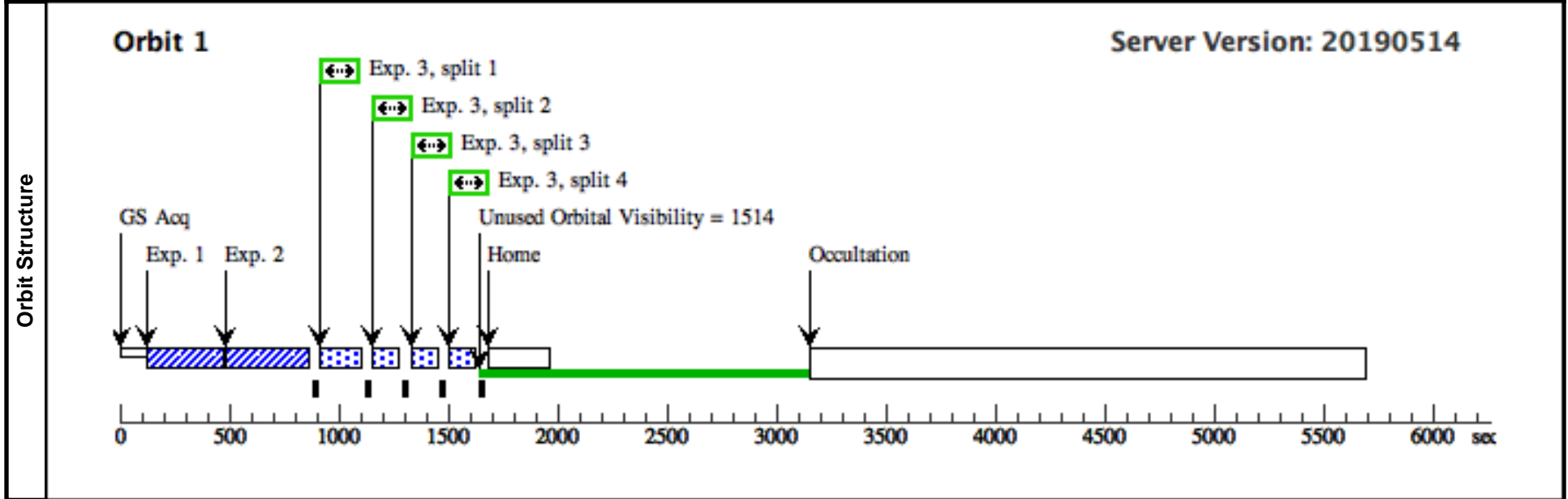
Proposal 16012 - Visit 49 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 49				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(49)	2MASSJ03434706+2051363	RA: 03 43 47.0799 (55.9461662d) Dec: +20 51 36.35 (20.86010d) Equinox: J2000	Proper Motion RA: 142.55 mas/yr Proper Motion Dec: -34.765 mas/yr Epoch of Position: 2000	V=14.54 19.90	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037474)	(49) 2MASSJ03434706+2051363	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				58.8 Secs (58.8 Secs) [==>]	[1]
	2	(1037476)	(49) 2MASSJ03434706+2051363	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			95.2 Secs (95.2 Secs) [==>]	[1]
	3	(1020143)	(49) 2MASSJ03434706+2051363	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=17 68; FP-POS=ALL; FLASH=YES			105.1 Secs (420.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



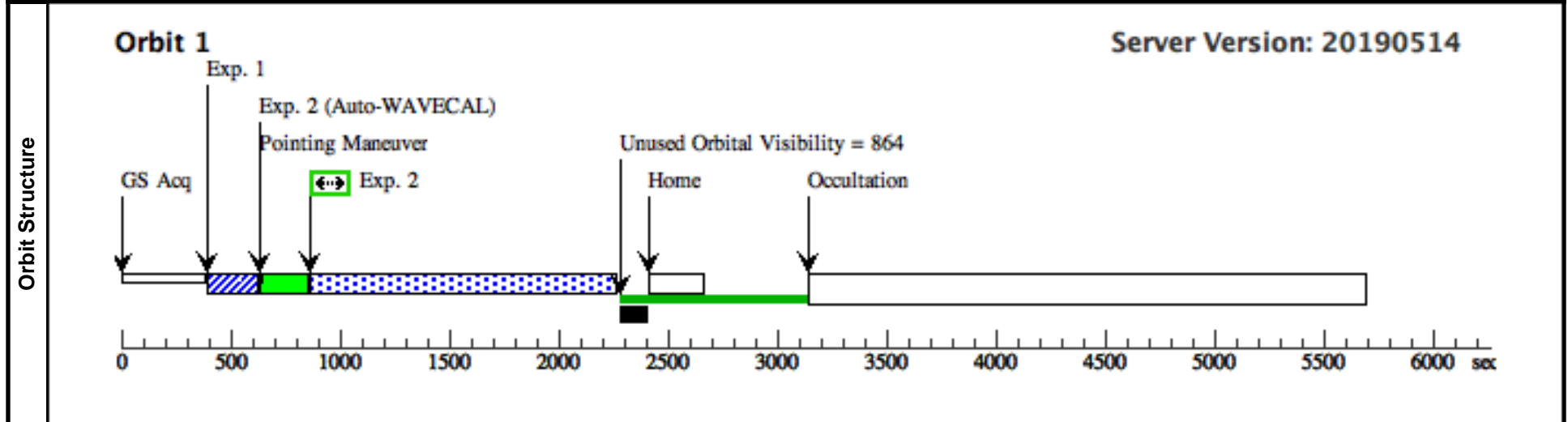
Proposal 16012 - Visit 50 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 50				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(50)	2MASSJ04354850+1317169	RA: 04 35 48.5088 (68.9521200d) Dec: +13 17 17.02 (13.28806d) Equinox: J2000	Proper Motion RA: 89.0 mas/yr Proper Motion Dec: -26.1 mas/yr Epoch of Position: 2000	V=14.9 20.90	Reference Frame: ICRS
	<i>Comments:</i>					
	Category=STAR					
	Description=[M V-IV] Extended=NO					

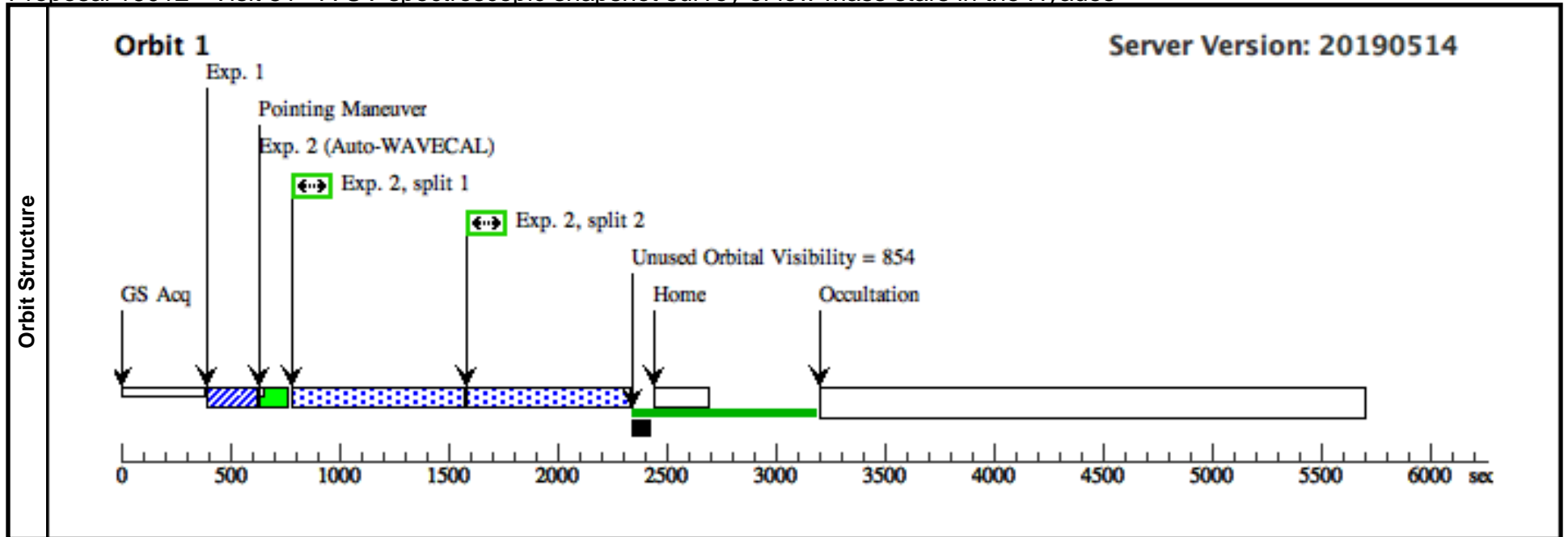
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(1291329)	(50) 2MASSJ04354850+1317169	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs)		
										[==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=14.90</i>										
	2	(1174940)	(50) 2MASSJ04354850+1317169	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A					1362.8 Secs (1362.8 Secs)	
									[==>]	[1]	
<i>Comments: Target switched to STIS.</i>											



Proposal 16012 - Visit 51 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 51 Diagnostic Status: Warning Scientific Instruments: STIS/CCD Special Requirements: (none)									
	(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS (Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS									
Diagnosics										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(51)	2MASSJ02253841+3732339	RA: 02 25 38.4424 (36.4101767d) Dec: +37 32 33.90 (37.54275d) Equinox: J2000	Proper Motion RA: 286.515 mas/yr Proper Motion Dec: -66.142 mas/yr Epoch of Position: 2000		V=13.99 20.12	Reference Frame: ICRS			
Comments: Position and proper motion updated to reflect Gaia 2018 data release. Category=STAR Description=[M V-IV] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291328)	(51) 2MASSJ02253841+3732339	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=14.00										
2	(1364931)	(51) 2MASSJ02253841+3732339	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				1421.5 Secs (1421.5 Secs) [==>(Split 1)] [==>(Split 2)]	[1]	
Comments: Target switched to G230LB, following suggestion from Joleen Carlberg to address issue with previous configuration violating bright object constraints. E1 pseudo-aperture location selected to address CT E warning in previous configuration.										



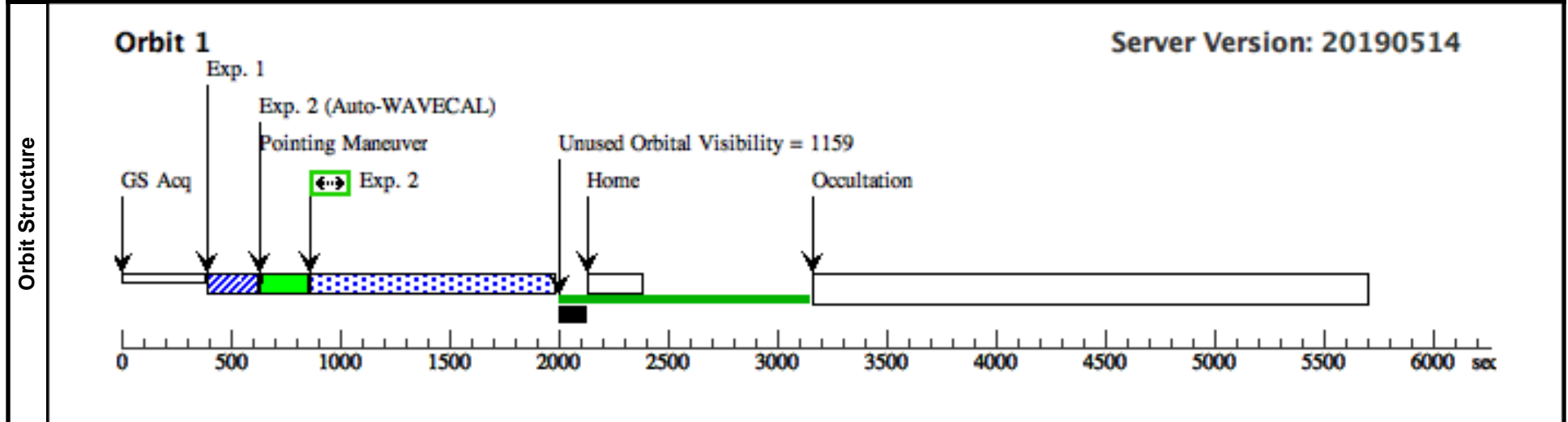
Proposal 16012 - Visit 54 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 54				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(54)	2MASSJ03590972+2628340	RA: 03 59 9.7356 (59.7905650d) Dec: +26 28 33.95 (26.47610d) Equinox: J2000	Proper Motion RA: 127.1 mas/yr Proper Motion Dec: -59.2 mas/yr Epoch of Position: 2000	V=11.6 20.21	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291323)	(54) 2MASSJ03590972+2628340	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=11.60</i>									
	2	(1174911)	(54) 2MASSJ03590972+2628340	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1083.6 Secs (1083.6 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									



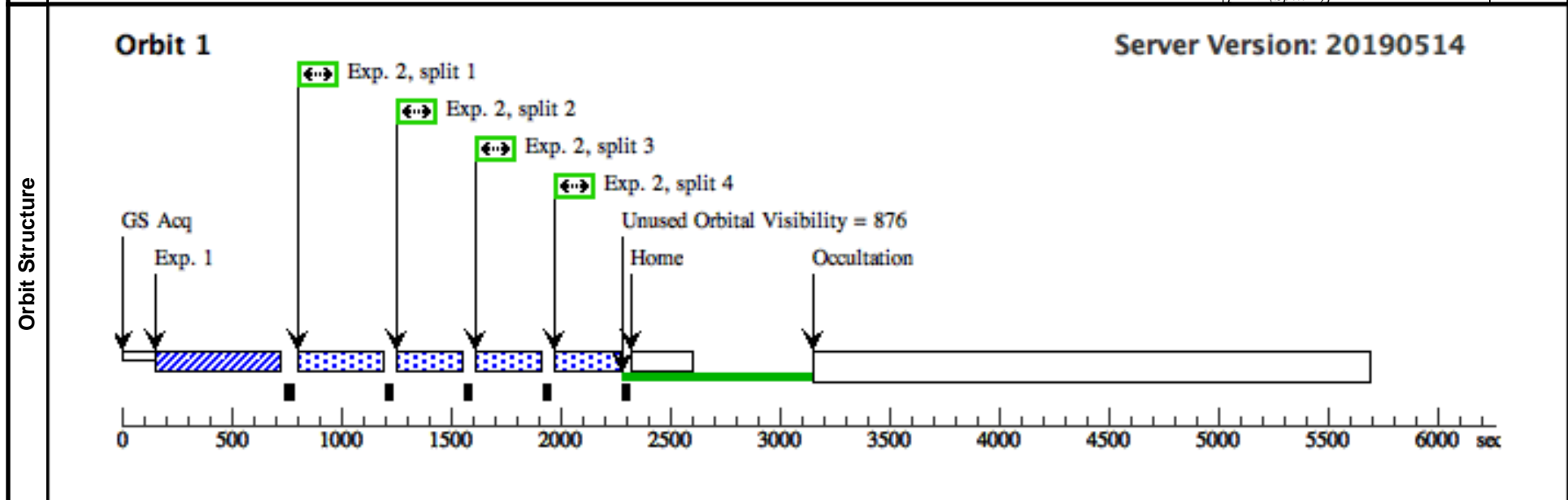
Proposal 16012 - Visit 55 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 55				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(55)	2MASSJ03591417+2202380	RA: 03 59 14.1878 (59.8091158d) Dec: +22 02 37.88 (22.04386d) Equinox: J2000	Proper Motion RA: 148.484 mas/yr Proper Motion Dec: -43.928 mas/yr Epoch of Position: 2000	V=13.07 21.74	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037419)	(55) 2MASSJ03591417+2202380	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				138.6 Secs (138.6 Secs)	
									[==>]	[1]
	2	(1031034)	(55) 2MASSJ03591417+2202380	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=18 12;	FP-POS=ALL; FLASH=YES		280.3 Secs (1121.2 Secs)	
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



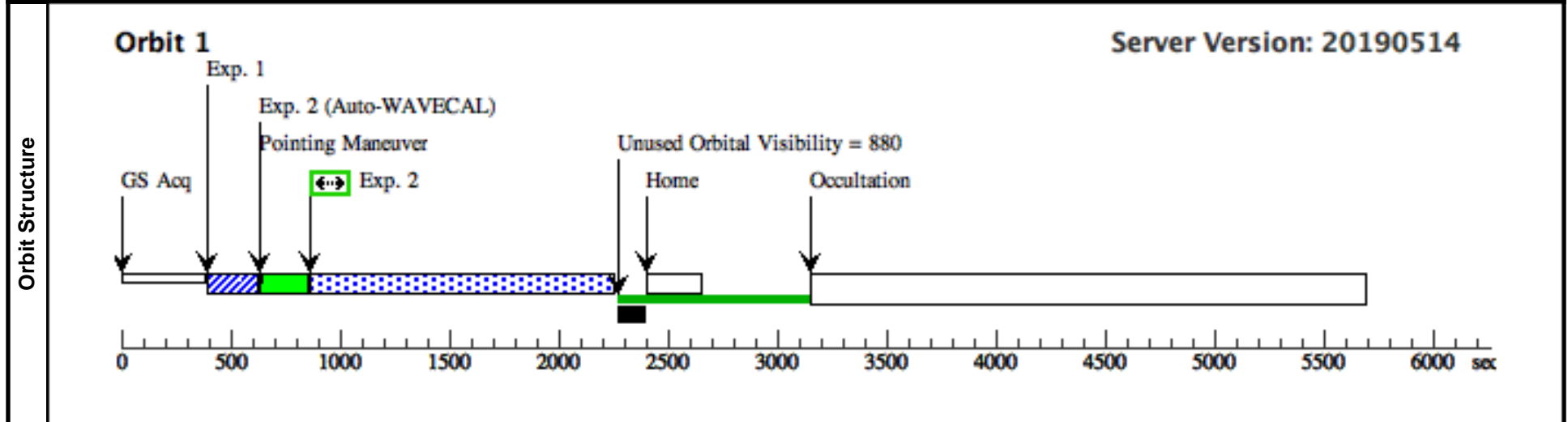
Proposal 16012 - Visit 56 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 56				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(56)	2MASSJ03591499+1639520	RA: 03 59 15.0129 (59.8125537d) Dec: +16 39 51.93 (16.66442d) Equinox: J2000	Proper Motion RA: 141.052 mas/yr Proper Motion Dec: -26.516 mas/yr Epoch of Position: 2000	V=15.9 20.88	Reference Frame: ICRS
	<i>Comments: Position and proper motion updated to reflect Gaia 2018 data release.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291337)	(56) 2MASSJ03591499+1639520	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs (0.2 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=15.90</i>									
	2	(1174955)	(56) 2MASSJ03591499+1639520	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1353.7 Secs (1353.7 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									



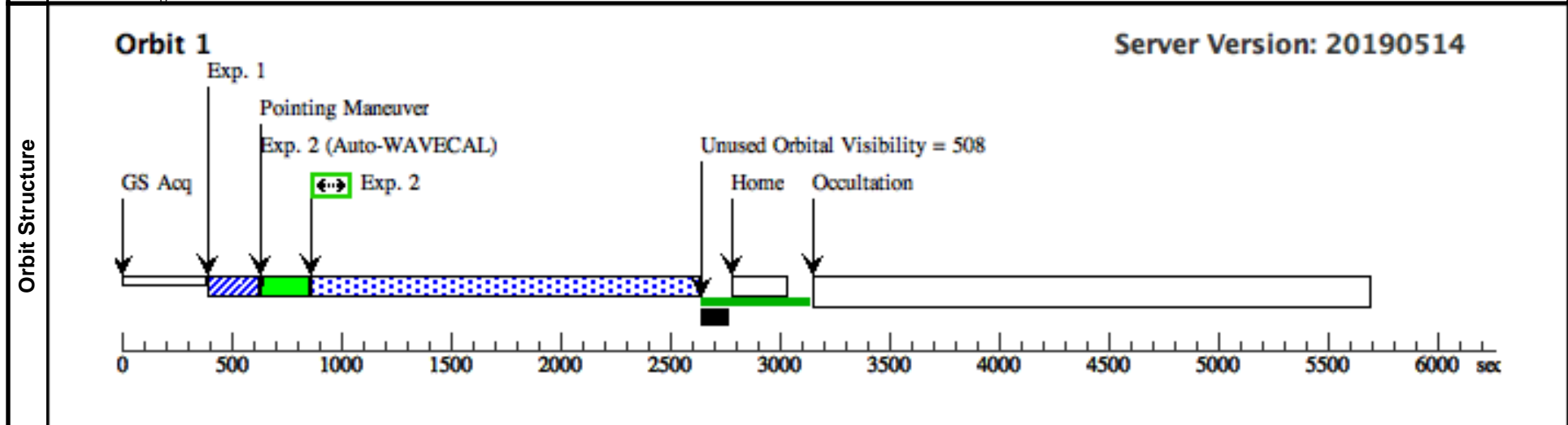
Proposal 16012 - Visit 57 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 57				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(57)	2MASSJ03592659+2323077	RA: 03 59 26.6100 (59.8608750d) Dec: +23 23 7.61 (23.38545d) Equinox: J2000	Proper Motion RA: 133.206 mas/yr Proper Motion Dec: -43.932 mas/yr Epoch of Position: 2000	V=14.3 20.36	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291336)	(57) 2MASSJ03592659+2323077	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=14.30</i>									
	2	(1174772)	(57) 2MASSJ03592659+2323077	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1726.8 Secs (1726.8 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									



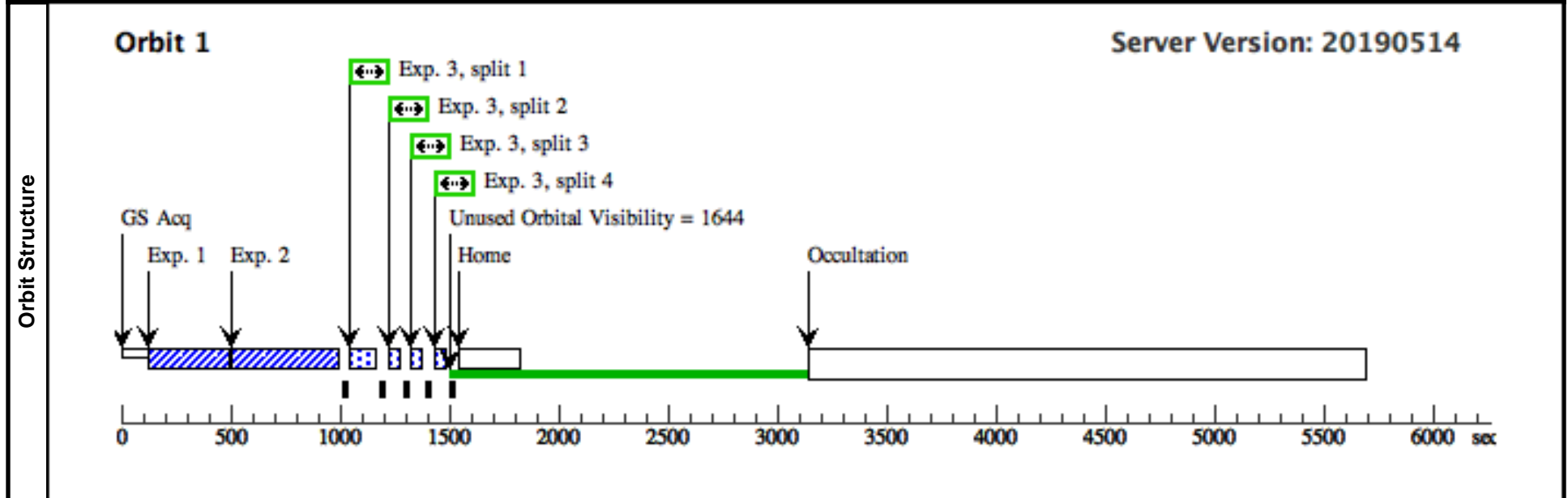
Proposal 16012 - Visit 59 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 59				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(59)	2MASSJ04213508+1441427	RA: 04 21 35.0894 (65.3962058d) Dec: +14 41 42.87 (14.69524d) Equinox: J2000	Proper Motion RA: 106.598 mas/yr Proper Motion Dec: -19.839 mas/yr Epoch of Position: 2000	V=15.6 19.94	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037493)	(59) 2MASSJ04213508+1441427	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				75.9 Secs (75.9 Secs) [==>]	[1]
	2	(1037494)	(59) 2MASSJ04213508+1441427	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			132.7 Secs (132.7 Secs) [==>]	[1]
	3	(1031064)	(59) 2MASSJ04213508+1441427	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=17 77; FP-POS=ALL; FLASH=YES			38.3 Secs (153.2 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



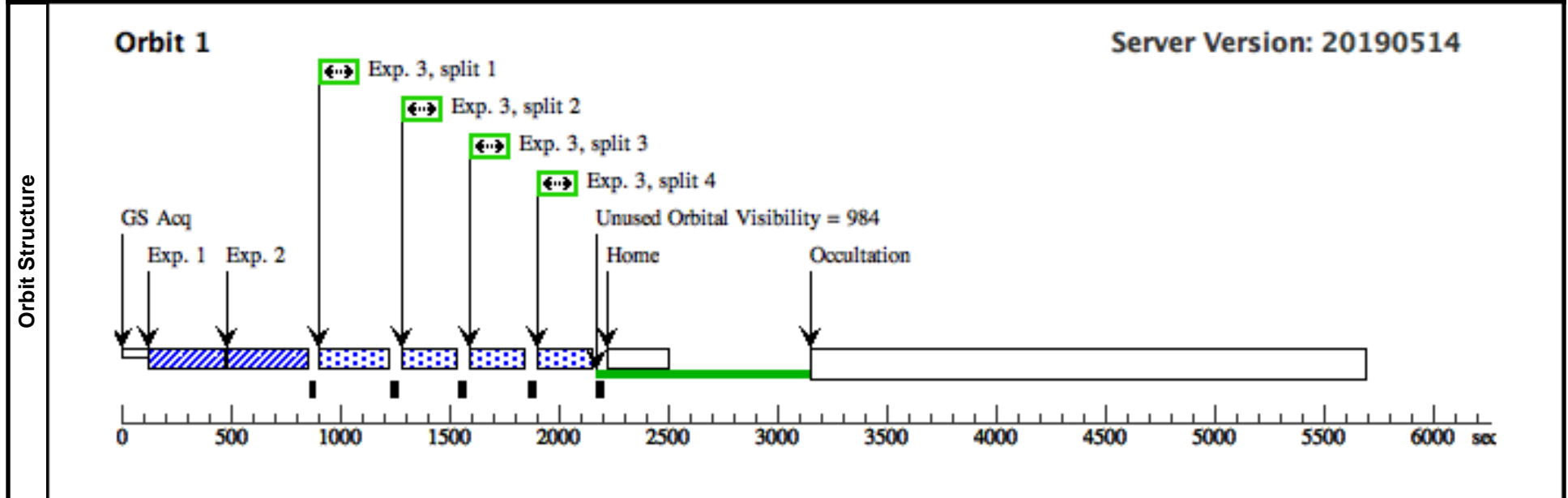
Proposal 16012 - Visit 60 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 60				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(60)	2MASSJ04240740+2207079	RA: 04 24 7.4275 (66.0309479d) Dec: +22 07 7.93 (22.11887d) Equinox: J2000	Proper Motion RA: 110.455 mas/yr Proper Motion Dec: -44.002 mas/yr Epoch of Position: 2000	V=11.07 19.49	Reference Frame: ICRS
	<i>Comments: Position and proper motion updated to reflect Gaia 2018 data release.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(1043354)	(60) 2MASSJ04240740+2207079	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A					59.6 Secs (59.6 Secs) [==>]	[1]
	2	(1043355)	(60) 2MASSJ04240740+2207079	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			90.9 Secs (90.9 Secs) [==>]	[1]	
	3	(1030939)	(60) 2MASSJ04240740+2207079	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=17 06; FP-POS=ALL; FLASH=YES			233.5 Secs (934 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	



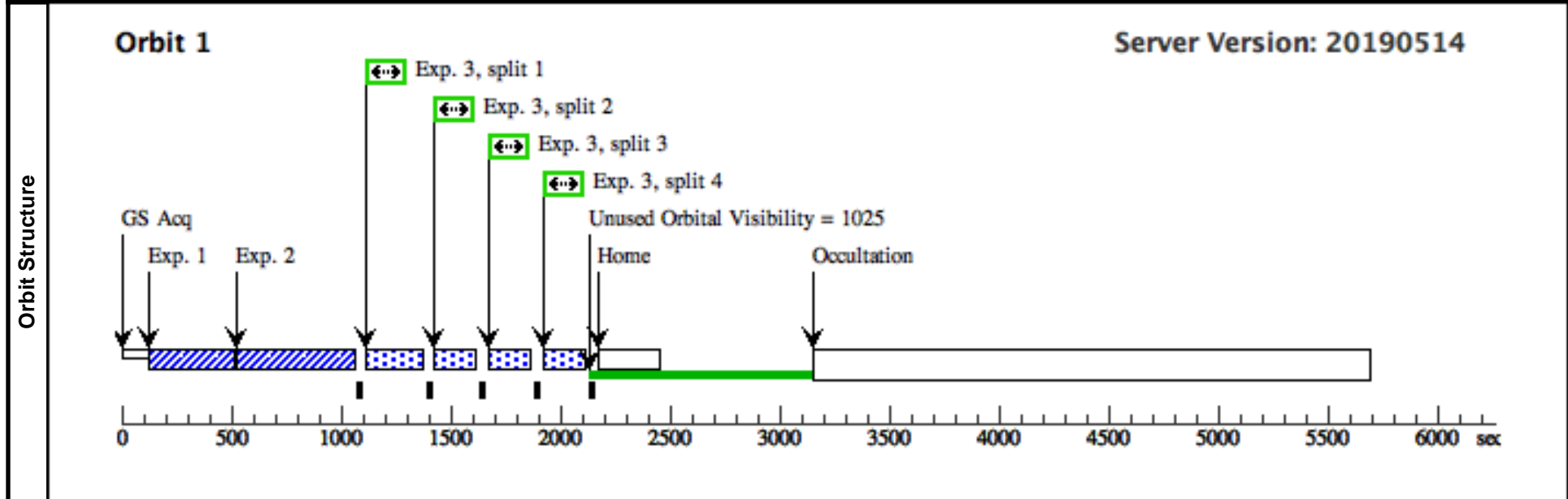
Proposal 16012 - Visit 62 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 62				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(62)	2MASSJ04264760+2114059	RA: 04 26 47.6210 (66.6984208d) Dec: +21 14 5.72 (21.23492d) Equinox: J2000	Proper Motion RA: 114.902 mas/yr Proper Motion Dec: -46.067 mas/yr Epoch of Position: 2000	V=11.19 19.58	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037285)	(62) 2MASSJ04264760+2114059	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				94.6 Secs (94.6 Secs) [==>]	[1]
	2	(1037286)	(62) 2MASSJ04264760+2114059	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			148.8 Secs (148.8 Secs) [==>]	[1]
	3	(1030990)	(62) 2MASSJ04264760+2114059	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=17 34; FP-POS=ALL; FLASH=YES			179.0 Secs (716 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



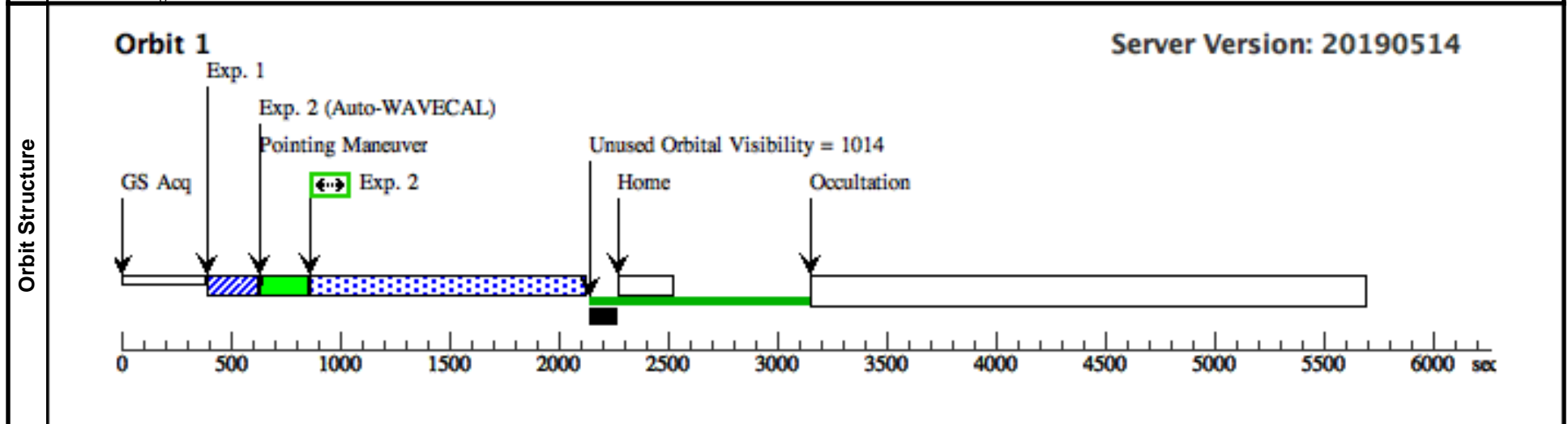
Proposal 16012 - Visit 64 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 64				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(64)	2MASSJ04291234+1516259	RA: 04 29 12.3511 (67.3014629d) Dec: +15 16 26.02 (15.27389d) Equinox: J2000	Proper Motion RA: 102.6 mas/yr Proper Motion Dec: -19.2 mas/yr Epoch of Position: 2000	V=12.3 20.32	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291325)	(64) 2MASSJ04291234+1516259	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=12.30</i>									
	2	(1174914)	(64) 2MASSJ04291234+1516259	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1219.7 Secs (1219.7 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									



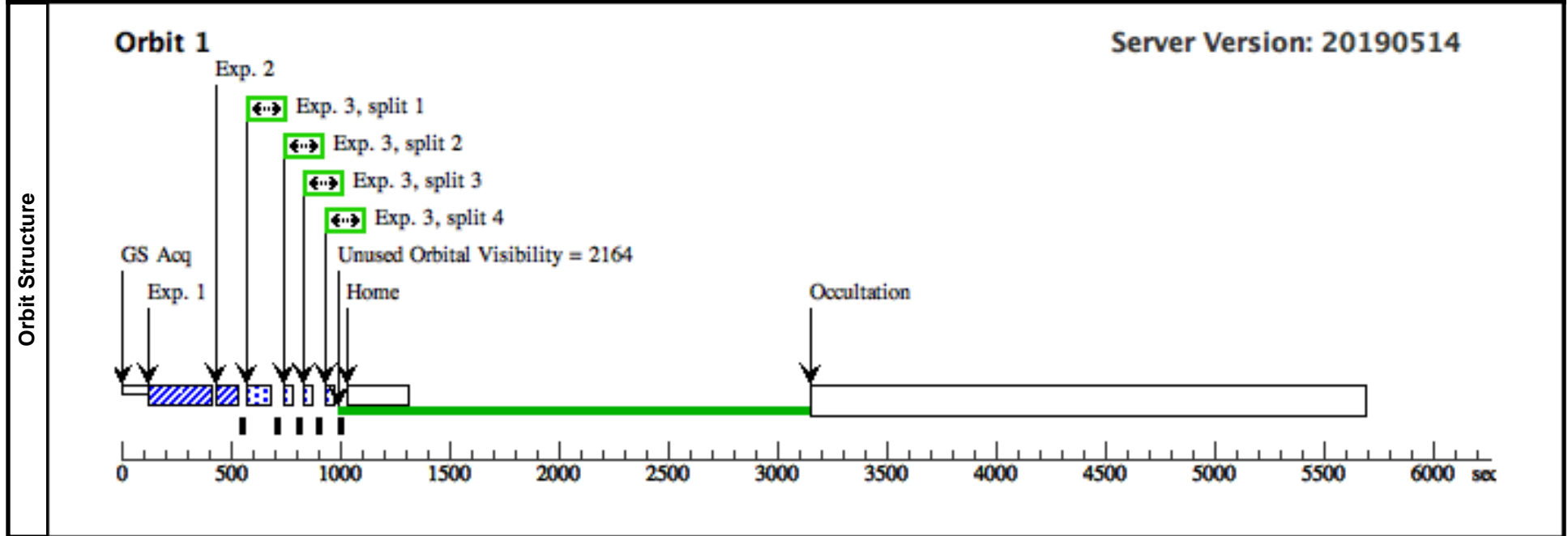
Proposal 16012 - Visit 67 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 67				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(67)	2MASSJ04333795+1645450	RA: 04 33 37.9671 (68.4081962d) Dec: +16 45 45.00 (16.76250d) Equinox: J2000	Proper Motion RA: 97.960 mas/yr Proper Motion Dec: -25.505 mas/yr Epoch of Position: 2000	V=9.36 16.22	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	<i>Category=STAR</i>					
	<i>Description=[K V-IV]</i>					
<i>Extended=NO</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043311)	(67) 2MASSJ04333795+1645450	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				1.2 Secs (1.2 Secs) [==>]	[1]
	2	(1043312)	(67) 2MASSJ04333795+1645450	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			1.3 Secs (1.3 Secs) [==>]	[1]
	3	(1030925)	(67) 2MASSJ04333795+1645450	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=70 5; FP-POS=ALL; FLASH=YES			27.8 Secs (111.2 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



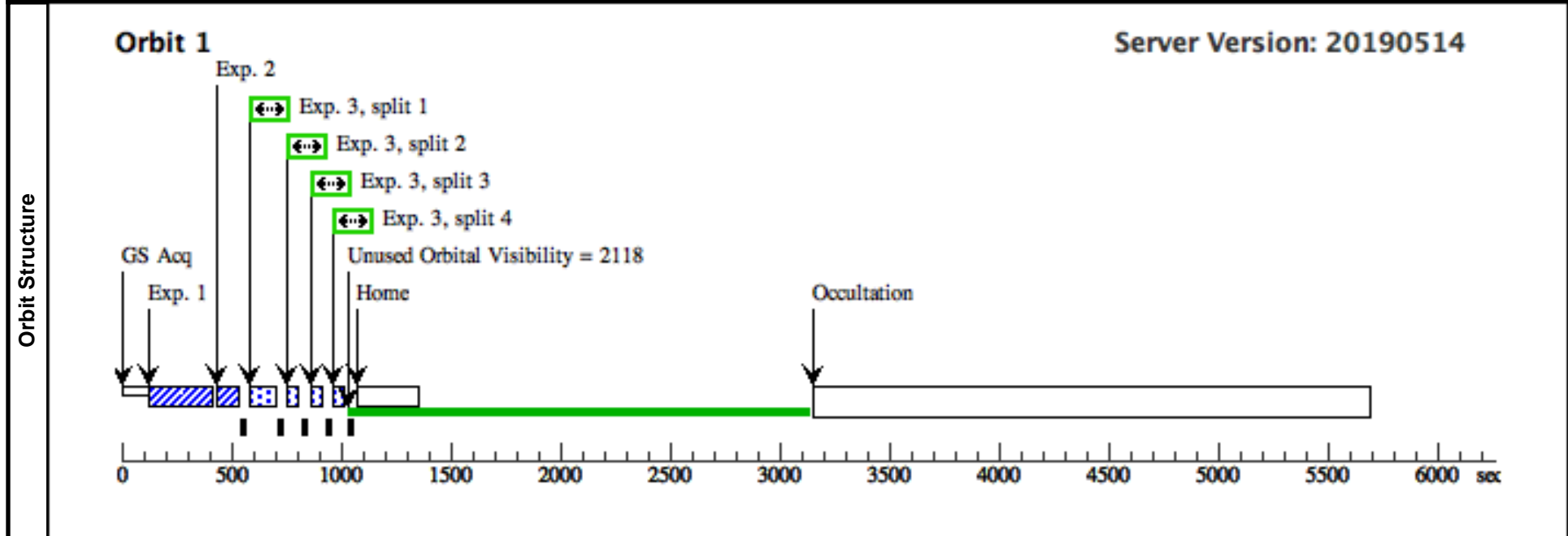
Proposal 16012 - Visit 68 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 68				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(68)	2MASSJ04343216+1549392	RA: 04 34 32.1824 (68.6340933d) Dec: +15 49 39.21 (15.82756d) Equinox: J2000	Proper Motion RA: 90.293 mas/yr Proper Motion Dec: -20.078 mas/yr Epoch of Position: 2000	V=9.64 16.57	Reference Frame: ICRS
	<i>Comments: Position updated to Gaia DR2 values. Proper motion is from Gaia DR1. Category=STAR Description=[K V-IV] Extended=NO</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043313)	(68) 2MASSJ04343216+1549392	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				1.7 Secs (1.7 Secs) [==>]	[1]
	2	(1043314)	(68) 2MASSJ04343216+1549392	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			1.8 Secs (1.8 Secs) [==>]	[1]
	3	(1030918)	(68) 2MASSJ04343216+1549392	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=84 8; FP-POS=ALL; FLASH=YES			38.6 Secs (154.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



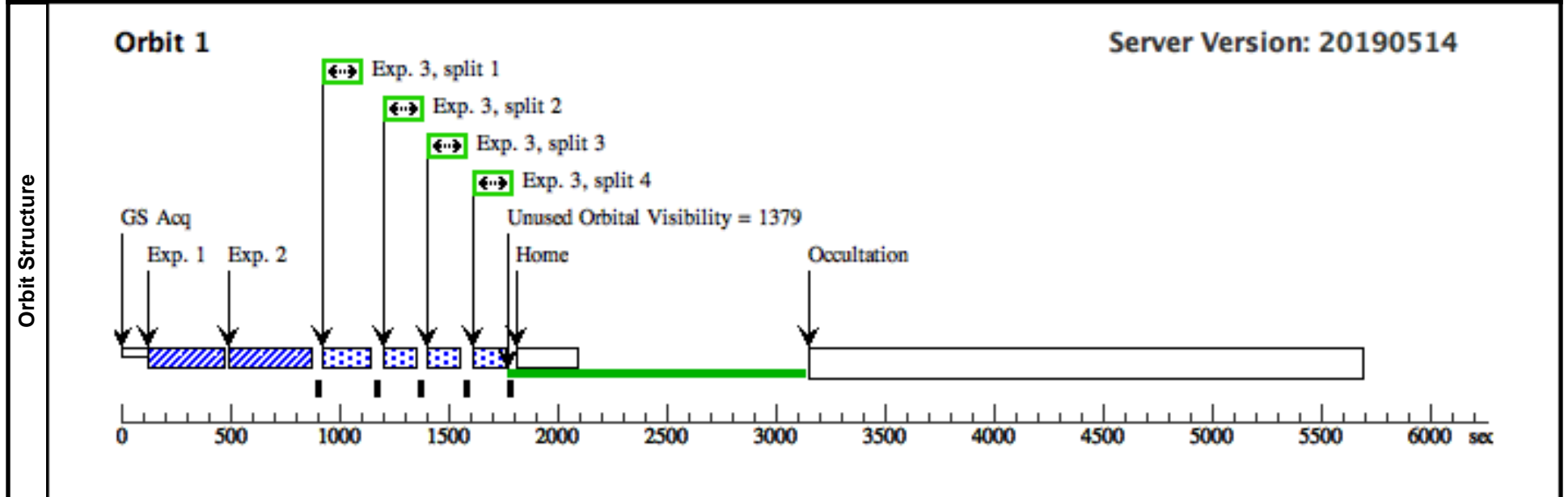
Proposal 16012 - Visit 69 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 69				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(69)	2MASSJ04343992+1512325	RA: 04 34 39.9392 (68.6664133d) Dec: +15 12 32.85 (15.20912d) Equinox: J2000	Proper Motion RA: 103.562 mas/yr Proper Motion Dec: -35.761 mas/yr Epoch of Position: 2000	V=12.37 19.31	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037289)	(69) 2MASSJ04343992+1512325	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				63.9 Secs (63.9 Secs) [==>]	[1]
	2	(1037290)	(69) 2MASSJ04343992+1512325	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			96.8 Secs (96.8 Secs) [==>]	[1]
	3	(1030987)	(69) 2MASSJ04343992+1512325	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=17 10; FP-POS=ALL; FLASH=YES			136.1 Secs (544.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



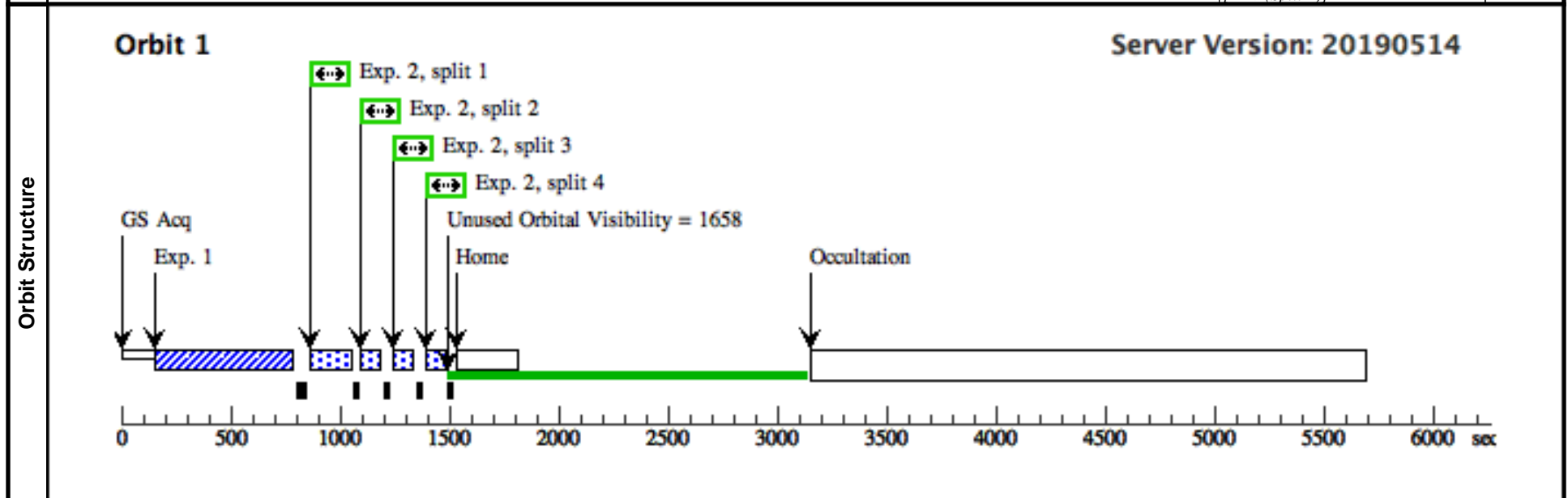
Proposal 16012 - Visit 70 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:13 GMT 2019

Visit	Proposal 16012, Visit 70				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: SCHED 30%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(70)	2MASSJ04350330+2451146	RA: 04 35 3.3086 (68.7637858d) Dec: +24 51 14.52 (24.85403d) Equinox: J2000	Proper Motion RA: 70.927 mas/yr Proper Motion Dec: -44.347 mas/yr Epoch of Position: 2000	V=14.625 20.47	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037109)	(70) 2MASSJ04350330+2451146	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				169.0 Secs (169 Secs) [==>]	[1]
	2	(1031027)	(70) 2MASSJ04350330+2451146	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1792; FP-POS=ALL; FLASH=YES			77.6 Secs (310.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



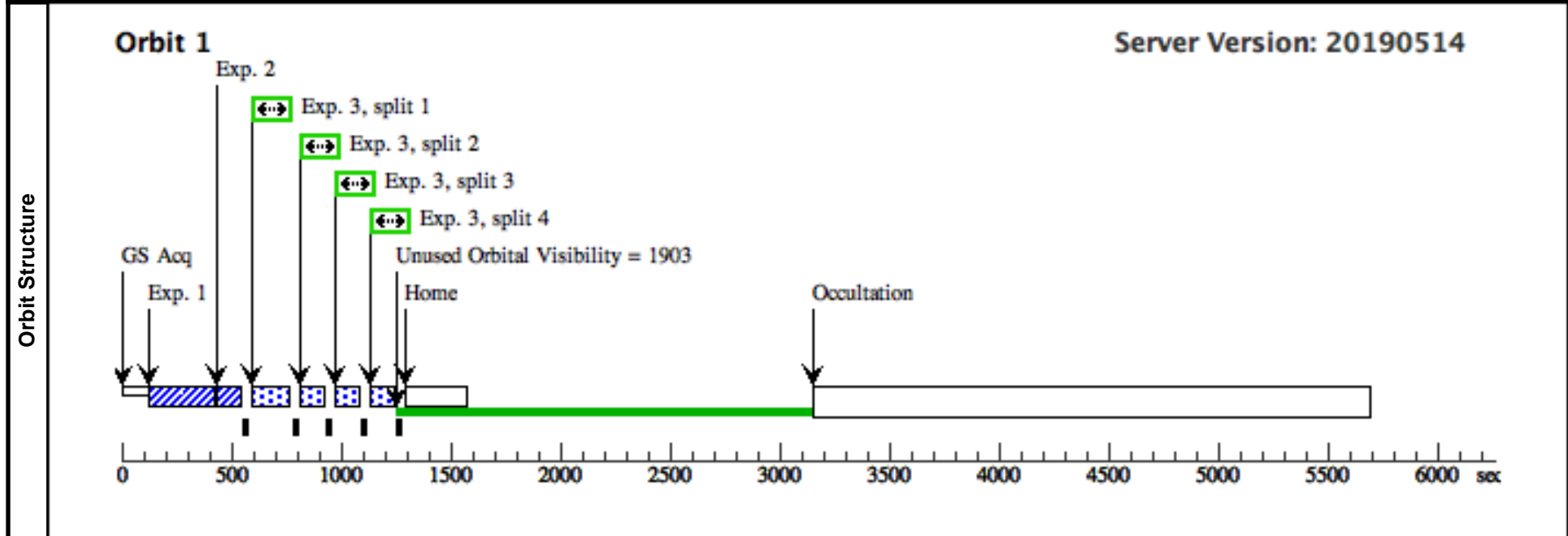
Proposal 16012 - Visit 72 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 72				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(72)	2MASSJ04470892+2052564	RA: 04 47 8.9337 (71.7872237d) Dec: +20 52 56.34 (20.88232d) Equinox: J2000	Proper Motion RA: 98.422 mas/yr Proper Motion Dec: -50.035 mas/yr Epoch of Position: 2000	V=9.9 17.44	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043315)	(72) 2MASSJ04470892+2052564	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				4.2 Secs (4.2 Secs) [==>]	[1]
	2	(1043316)	(72) 2MASSJ04470892+2052564	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			4.7 Secs (4.7 Secs) [==>]	[1]
	3	(1030906)	(72) 2MASSJ04470892+2052564	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1202; FP-POS=ALL; FLASH=YES			89.1 Secs (356.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



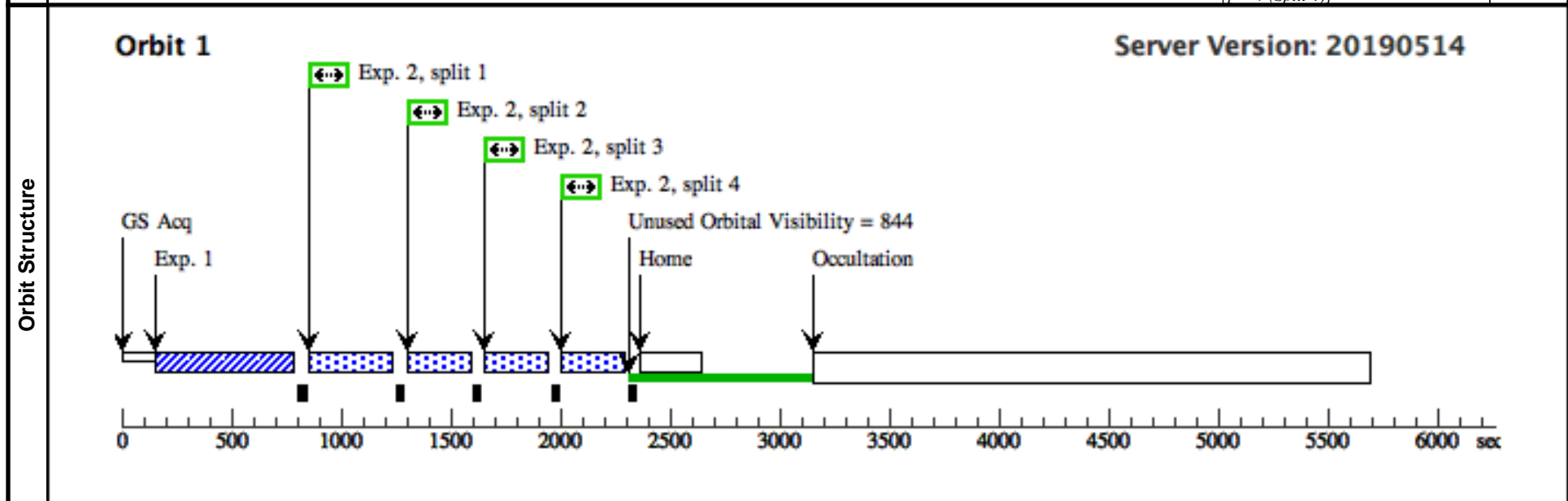
Proposal 16012 - Visit 73 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 73				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(73)	2MASSJ04493586+2145391	RA: 04 49 35.8633 (72.3994304d) Dec: +21 45 38.99 (21.76083d) Equinox: J2000		V=13.9 20.84	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037119)	(73) 2MASSJ04493586+2145391	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				166.1 Secs (166.1 Secs) [==>]	[1]
	2	(1020151)	(73) 2MASSJ04493586+2145391	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=1799; FP-POS=ALL; FLASH=YES			274.5 Secs (1098 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



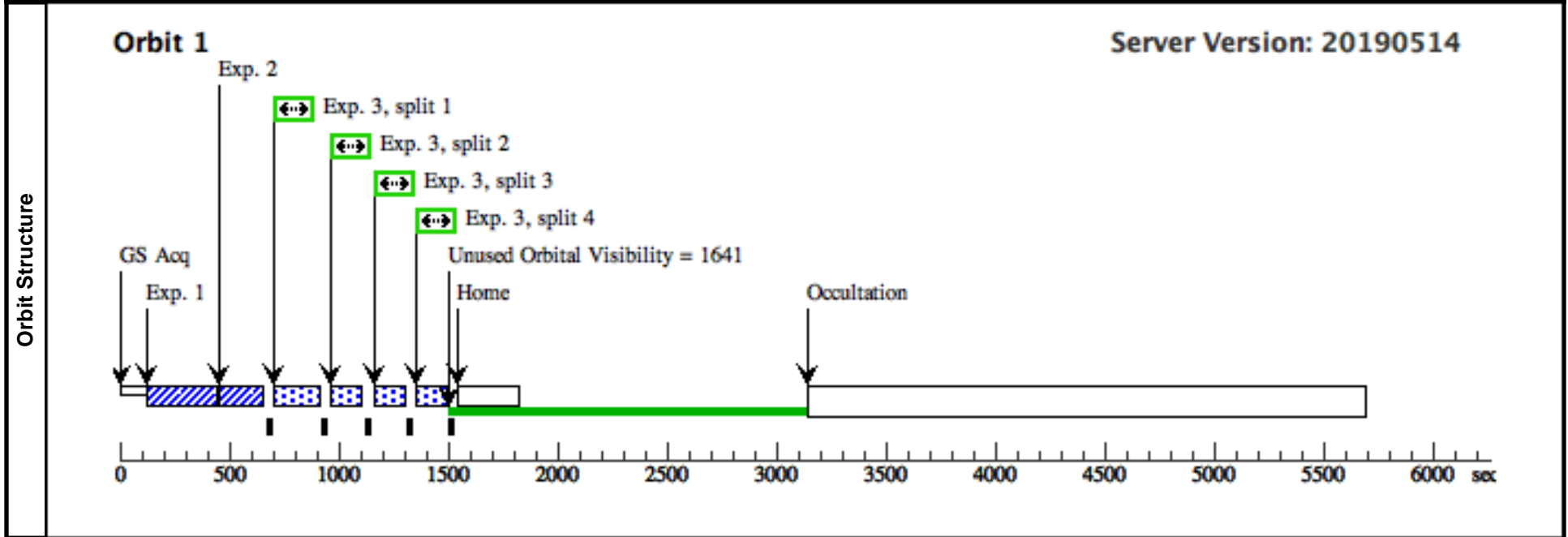
Proposal 16012 - Visit 74 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 74				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(74)	2MASSJ04513356+1417109	RA: 04 51 33.5787 (72.8899112d) Dec: +14 17 10.92 (14.28637d) Equinox: J2000	Proper Motion RA: 40.568 mas/yr Proper Motion Dec: -13.462 mas/yr Epoch of Position: 2000	V=11.08 18.87	Reference Frame: ICRS
	<i>Comments: Position updated to reflect Gaia 2018 data release.</i>					
	Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043358)	(74) 2MASSJ04513356+1417109	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				25.8 Secs (25.8 Secs) [==>]	[1]
	2	(1043359)	(74) 2MASSJ04513356+1417109	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			35.8 Secs (35.8 Secs) [==>]	[1]
	3	(1030955)	(74) 2MASSJ04513356+1417109	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=16 27; FP-POS=ALL; FLASH=YES			124.1 Secs (496.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



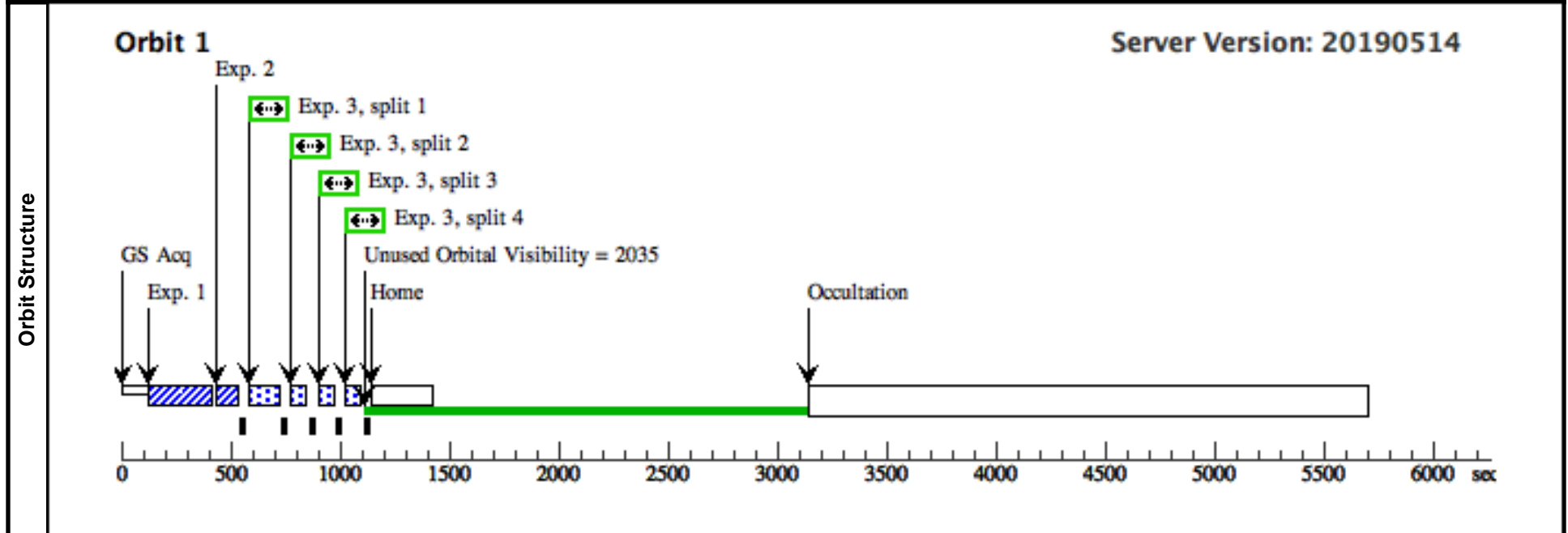
Proposal 16012 - Visit 76 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 76				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(76)	2MASSJ05054038+0627545	RA: 05 05 40.3778 (76.4182408d) Dec: +06 27 54.63 (6.46518d) Equinox: J2000	Proper Motion RA: 69.92 mas/yr Proper Motion Dec: 3.68 mas/yr Epoch of Position: 2000	V=10.0 16.96	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[K V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1043317)	(76) 2MASSJ05054038+0627545	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				2.6 Secs (2.6 Secs) [==>]	[1]
	2	(1043318)	(76) 2MASSJ05054038+0627545	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; STEP-SIZE=1.3; CENTER=FLUX-W T			2.8 Secs (2.8 Secs) [==>]	[1]
	3	(1030912)	(76) 2MASSJ05054038+0627545	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=10 11; FP-POS=ALL; FLASH=YES			56.0 Secs (224 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



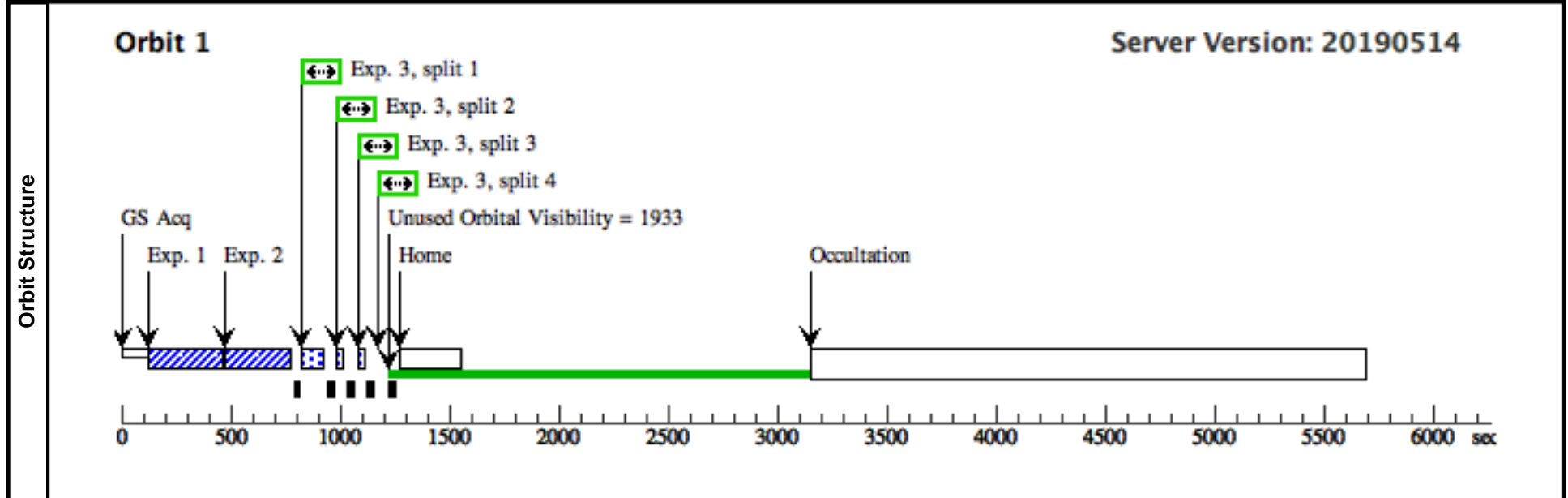
Proposal 16012 - Visit 77 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 77				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: COS/NUV				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(77)	2MASSJ04282878+1741453	RA: 04 28 28.7808 (67.1199200d) Dec: +17 41 45.10 (17.69586d) Equinox: J2000	Proper Motion RA: 100.9 mas/yr Proper Motion Dec: -31.4 mas/yr Epoch of Position: 2000	V=12.12 18.77	Reference Frame: ICRS
	<i>Comments: No Gaia data available.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1037307)	(77) 2MASSJ04282878+1741453	COS/NUV, ACQ/PEAKXD, PSA	G230L 2950 A				47.9 Secs (47.9 Secs) [==>]	[1]
	2	(1037308)	(77) 2MASSJ04282878+1741453	COS/NUV, ACQ/PEAKD, PSA	G230L 2950 A	NUM-POS=3; CENTER=FLUX-W T; STEP-SIZE=1.3			68.8 Secs (68.8 Secs) [==>]	[1]
	3	(1020114)	(77) 2MASSJ04282878+1741453	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80; FP-POS=ALL; FLASH=YES			15.6 Secs (62.4 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



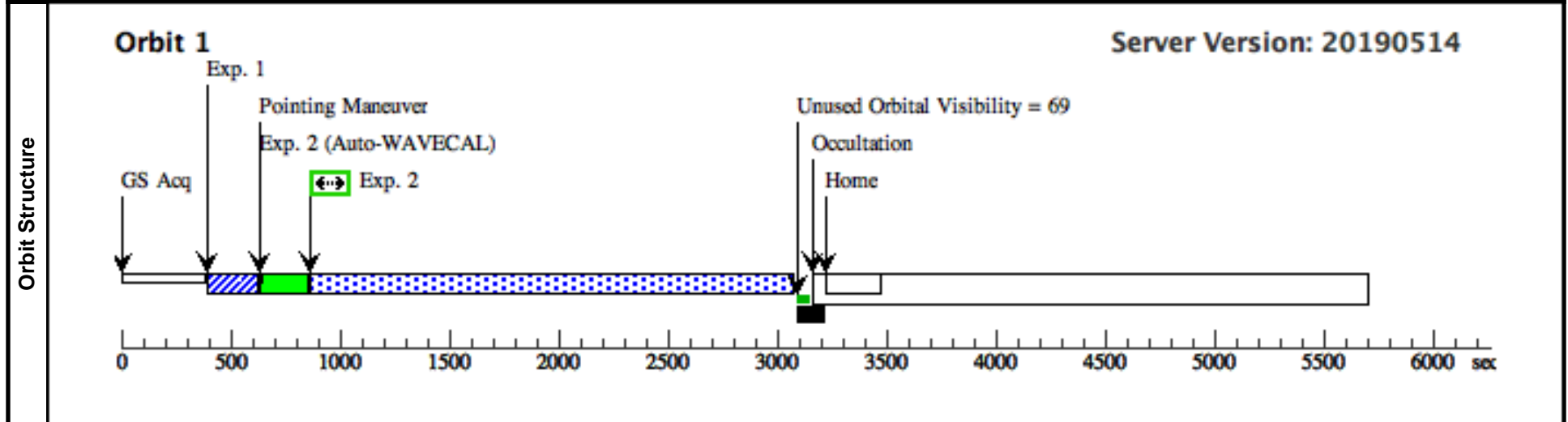
Proposal 16012 - Visit 79 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 79				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(79)	2MASSJ03223165+2858291	RA: 03 22 31.6765 (50.6319854d) Dec: +28 58 29.08 (28.97474d) Equinox: J2000	Proper Motion RA: 150 mas/yr Proper Motion Dec: -49 mas/yr Epoch of Position: 2000	V=15.5 20.6373653	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291334)	(79) 2MASSJ03223165+2858291	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=15.53</i>									
	2	(1174763)	(79) 2MASSJ03223165+2858291	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				2173.2 Secs (2173.2 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									



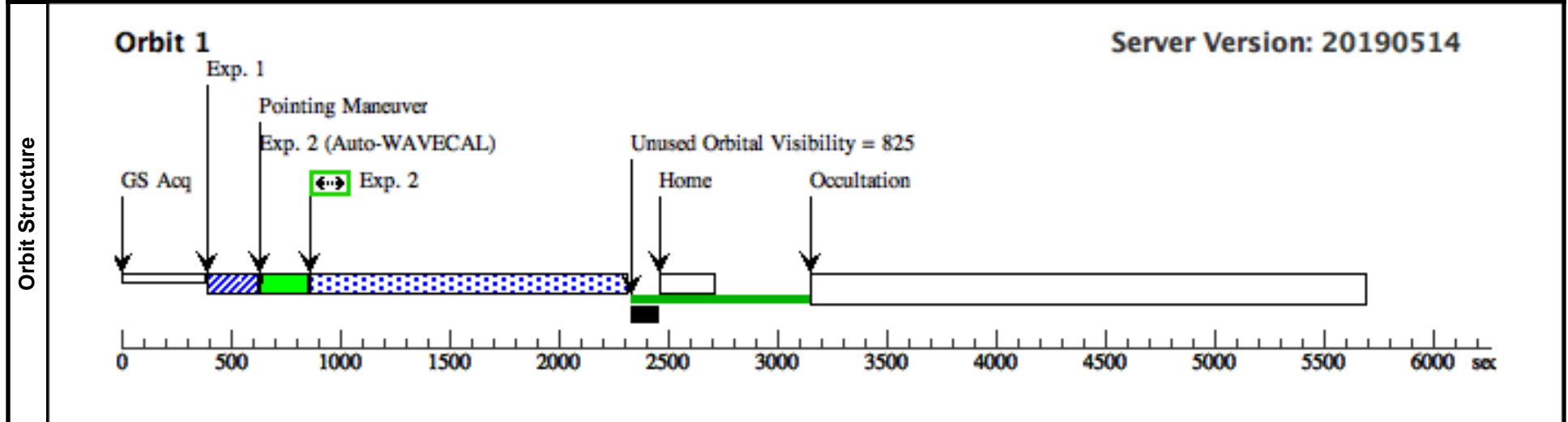
Proposal 16012 - Visit 80 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 80				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(80)	2MASSJ04112766+1559317	RA: 04 11 27.6408 (62.8651700d) Dec: +15 59 31.81 (15.99217d) Equinox: J2000	Proper Motion RA: 113.4 mas/yr Proper Motion Dec: -19.0 mas/yr Epoch of Position: 2000	V=15.2 20.9324284	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291331)	(80) 2MASSJ04112766+1559317	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs (0.2 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=15.16</i>									
2	(1174944)	(80) 2MASSJ04112766+1559317	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A					1408.4 Secs (1408.4 Secs) [==>]	[1]
<i>Comments: Target switched to STIS.</i>										



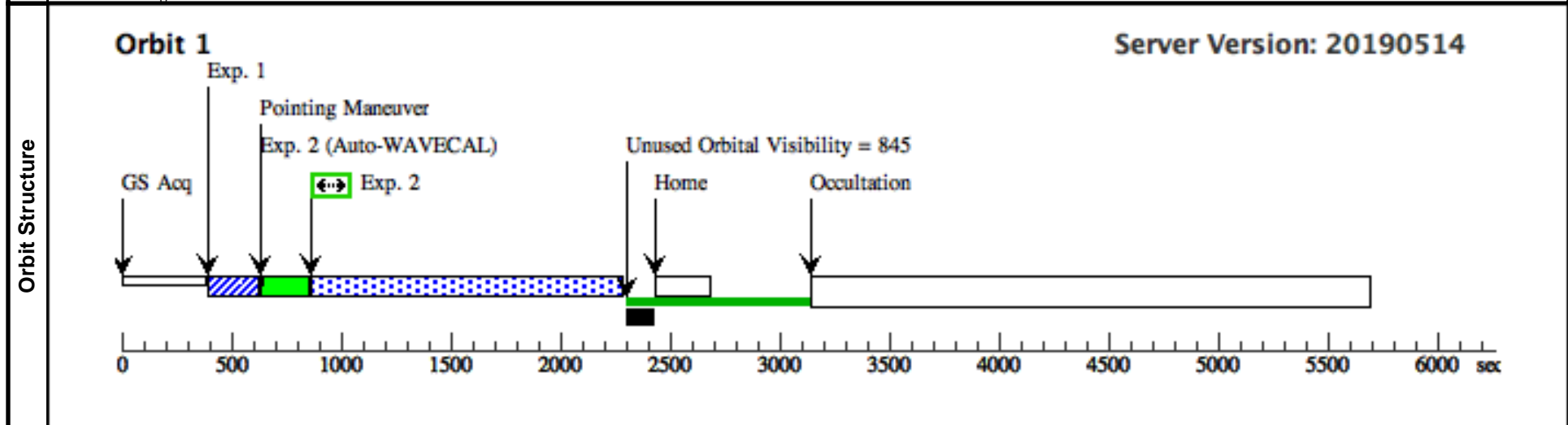
Proposal 16012 - Visit 81 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 81				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(81)	2MASSJ04162538+1410172	RA: 04 16 25.4165 (64.1059021d) Dec: +14 10 17.08 (14.17141d) Equinox: J2000	Proper Motion RA: 134.391 mas/yr Proper Motion Dec: -20.622 mas/yr Epoch of Position: 2000	V=15.33 21.07	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(1291333)	(81) 2MASSJ04162538+1410172	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]	
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=15.35</i>										
	2	(1174948)	(81) 2MASSJ04162538+1410172	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1381.4 Secs (1381.4 Secs) [==>]	[1]	
	<i>Comments: Target switched to STIS.</i>										



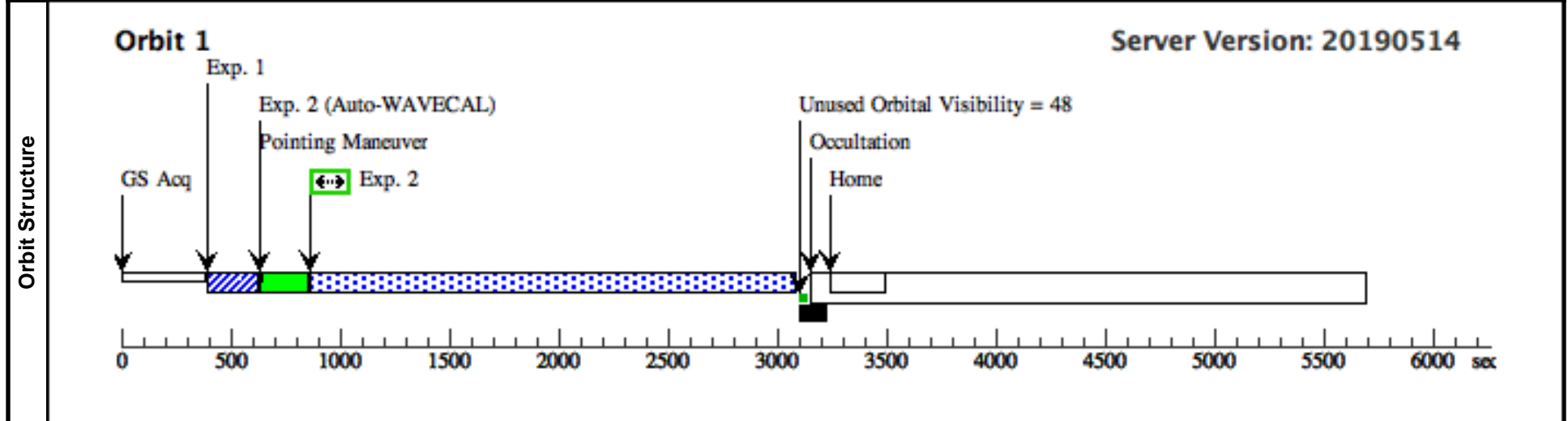
Proposal 16012 - Visit 82 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 82				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(82)	2MASSJ04135234+1521538	RA: 04 13 52.3591 (63.4681629d) Dec: +15 21 54.01 (15.36500d) Equinox: J2000	Proper Motion RA: 120 mas/yr Proper Motion Dec: -20 mas/yr Epoch of Position: 2000	V=15.00 21.32	Reference Frame: ICRS
	<i>Comments: No Gaia data, presumably because it is a known binary.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291330)	(82) 2MASSJ04135234+1521538	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=15.00</i>									
	2	(1174946)	(82) 2MASSJ04135234+1521538	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				2185.4 Secs (2185.4 Secs) [==>]	[1]
	<i>Comments: Target switched to STIS.</i>									



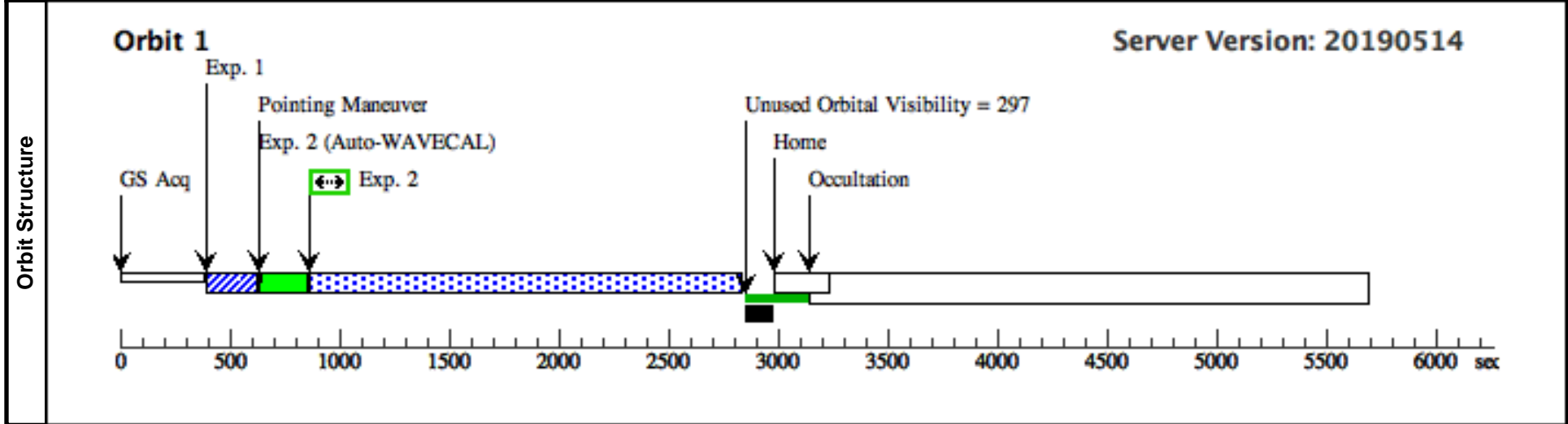
Proposal 16012 - Visit 84 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 84				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(84)	2MASSJ04175555+1432464	RA: 04 17 55.5709 (64.4815454d) Dec: +14 32 46.54 (14.54626d) Equinox: J2000	Proper Motion RA: 101.320 mas/yr Proper Motion Dec: -16.298 mas/yr Epoch of Position: 2000	V=14.89 21.73	Reference Frame: ICRS
	<i>Comments: Position and proper motions updated to Gaia DR2 values.</i>					
	Category=STAR Description=[M V-IV] Extended=NO					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(1291332)	(84) 2MASSJ04175555+1432464	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]	
	<i>Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=15.02</i>										
	2	(1174954)	(84) 2MASSJ04175555+1432464	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1929.4 Secs (1929.4 Secs) [==>]	[1]	
	<i>Comments: Target switched to STIS.</i>										



Proposal 16012 - Visit 85 - A UV spectroscopic snapshot survey of low-mass stars in the Hyades

Thu Oct 03 15:01:14 GMT 2019

Visit	Proposal 16012, Visit 85 Diagnostic Status: Warning Scientific Instruments: STIS/CCD Special Requirements: (none)									
	(Visit 85) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS (Visit 85) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS									
Diagnostics										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(85)	2MASSJ03524271+2512260	RA: 03 52 42.7128 (58.1779700d) Dec: +25 12 26.03 (25.20723d) Equinox: J2000	Proper Motion RA: 133.254 mas/yr Proper Motion Dec: -48.264 mas/yr Epoch of Position: 2000		V=13.67 20.86	Reference Frame: ICRS			
Comments: Position and proper motions updated to Gaia DR2 values. Category=STAR Description=[M V-IV] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1291335)	(85) 2MASSJ03524271+2512260	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
Comments: Target switched to STIS. ACQ done with longpass filter and exposure time calculated using V=13.67										
2	(1364940)	(85) 2MASSJ03524271+2512260	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				1359.9 Secs (1359.9 Secs) [==>(Split 1)] [==>(Split 2)]	[1]	
Comments: Target switched to G230LB, following suggestion from Joleen Carlberg to address issue with previous configuration violating bright object constraints. E1 pseudo-aperture location selected to address CT E warning in previous configuration.										

