



18428 - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

Cycle: 34, Proposal Category: GO

(UV Initiative)

(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) HD-80077	COS/FUV COS/NUV	2	28-Aug-2026 10:00:16.0	yes
02	(3) HD-183143	COS/FUV COS/NUV	3	28-Aug-2026 10:00:18.0	yes
03	(2) HD-168625	COS/FUV COS/NUV	2	28-Aug-2026 10:00:19.0	yes
04	(7) HD-168607	COS/FUV COS/NUV STIS/CCD STIS/NUV-MAMA	3	28-Aug-2026 10:00:20.0	yes
09	(8) HD-7583	COS/FUV COS/NUV STIS/CCD STIS/NUV-MAMA	2	28-Aug-2026 10:00:22.0	yes
10	(10) HD-50064	COS/FUV COS/NUV STIS/CCD STIS/NUV-MAMA	3	28-Aug-2026 10:00:23.0	yes
07	(9) HD-269327	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	28-Aug-2026 10:00:24.0	yes
08	(4) HD-32034	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	28-Aug-2026 10:00:24.0	yes

19 Total Orbits Used

ABSTRACT

Massive stars are luminous, have powerful winds, and die violently as supernovae. Thereby, their individual and collective evolution steers the evolution of galaxies across cosmic time. Yet, post-main-sequence (PMS) evolution, especially of higher-mass stars ($M > 30 M_{\text{sun}}$), is poorly

understood. In that regard, B hypergiants (BHG) may represent a key stage to understand PMS evolution, connecting B supergiants, luminous blue variables, and Wolf-Rayets. Besides being attributed to single stars with higher masses, binary evolution may open additional paths to explain the existence of BHGs. In both cases, strong stellar winds determine not only their spectral morphology but also their fate. Yet, few of them have been sufficiently studied to draw firm conclusions on their nature. An important reason for this is the dearth of good UV coverage for a significant fraction of BHGs, which we address with this proposal. Using the unique COS capabilities, we will uncover the outflows of prototypical BHGs in the Milky Way and Magellanic Clouds. By targeting not only early- and late-type BHGs, but also different metallicities (Z), we will be able to test how wind properties depend on Z . The comparison of the derived atmospheric parameters in the different regimes will allow us to probe connections in massive star evolution, paving the way for anchoring theoretical mass-loss recipes. Moreover, our observations will (i) yield the most overarching multiwavelength study of BHGs, (ii) complete the set of BHGs in the MCs observable in the UV, extending the ULLYSES BHG sample in both the LMC and SMC, and (iii) complement its coverage to Galactic metallicity.

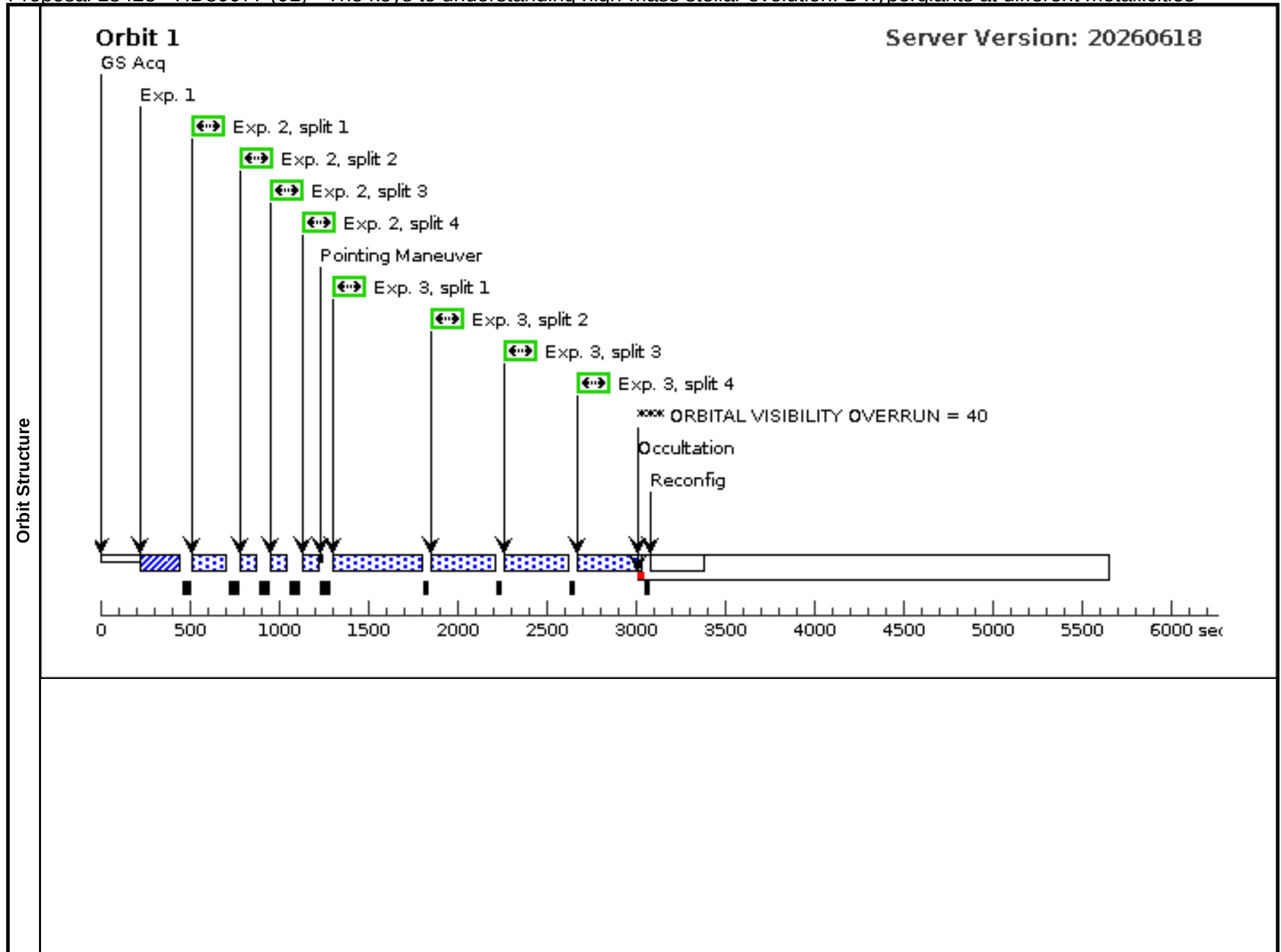
OBSERVING DESCRIPTION

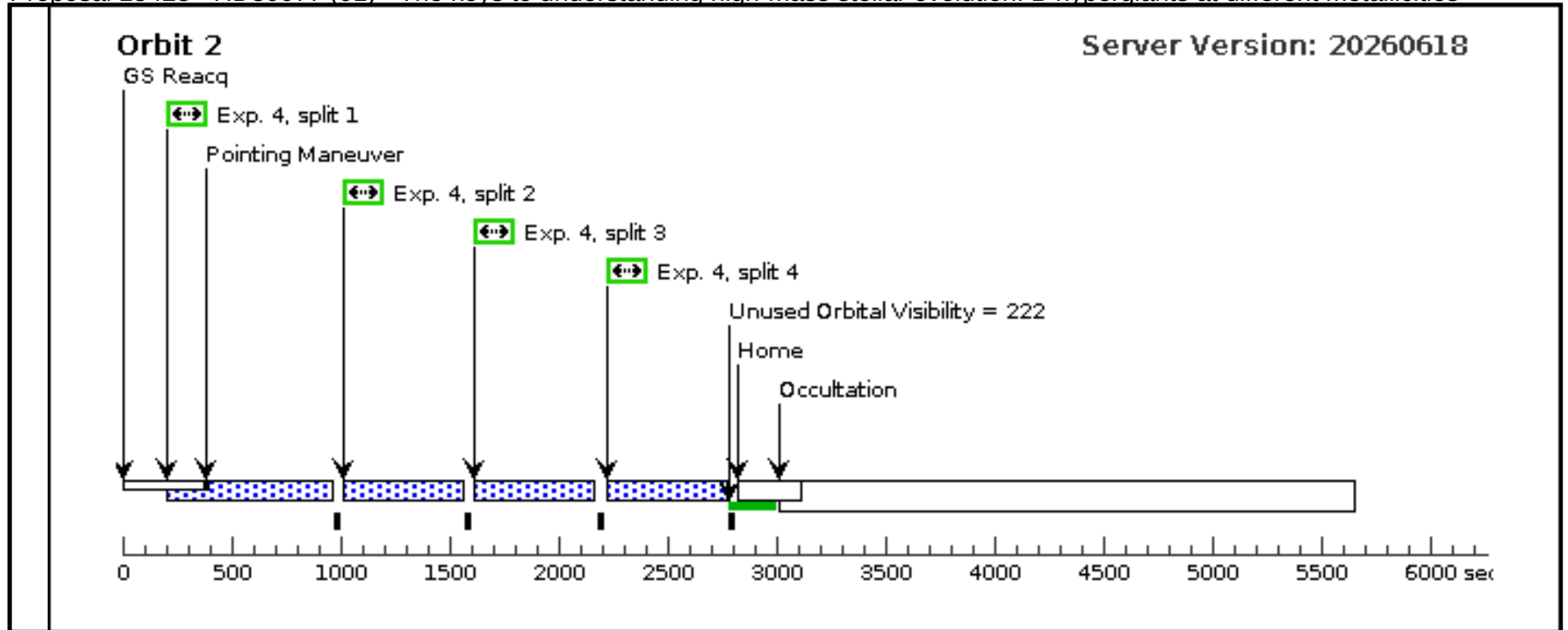
We propose to observe 8 BHGs in the Milky Way (MW) and MCs using COS and STIS. For the MW targets, in general, we will use: (i) COS G140L and G230L for an overall coverage with $R \sim 3000$, comparable to IUE high dispersion spectra ($R \sim 5000$), more than enough to probe wind features and (ii) G130M[1222], or G160M[1533], or both for higher resolution ($R \sim 22000$), allowing us to additionally constrain chemical abundances and atmospheric turbulence (e.g., Bouret et al. 2015; Ramachandran et al. 2025). For the MC targets, which are UV brighter due to negligible reddening, we will use STIS E140M[1425], and E230M[1978/2707] with standard 02x02 aperture (except for the bright Sk -67 -17) for FUV and NUV coverage with higher resolution ($R \sim 30000$). STIS will also be used, instead of lower resolution COS, for the brightest MW target HD50064. Conversely, COS G130M and G160M will be used for AzV 475 due to its combination of cooler temperature but high UV flux. Thereby, these settings will cover essentially all the relevant wind diagnostics along the mid/late B-type domain (e.g., N V, C II, Si IV, Al III, Mg II).

In total, we require 18 orbits, taking into account overhead times and the new COS Lifetime Position protection policy (we use less than 1% of the pixels' lifetime). Our observations will be performed in TIME-TAG mode. Whenever possible, we will use all four FP-POS positions for each target to enhance the lifetime of the detector.

Proposal 18428 - HD80077 (01) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

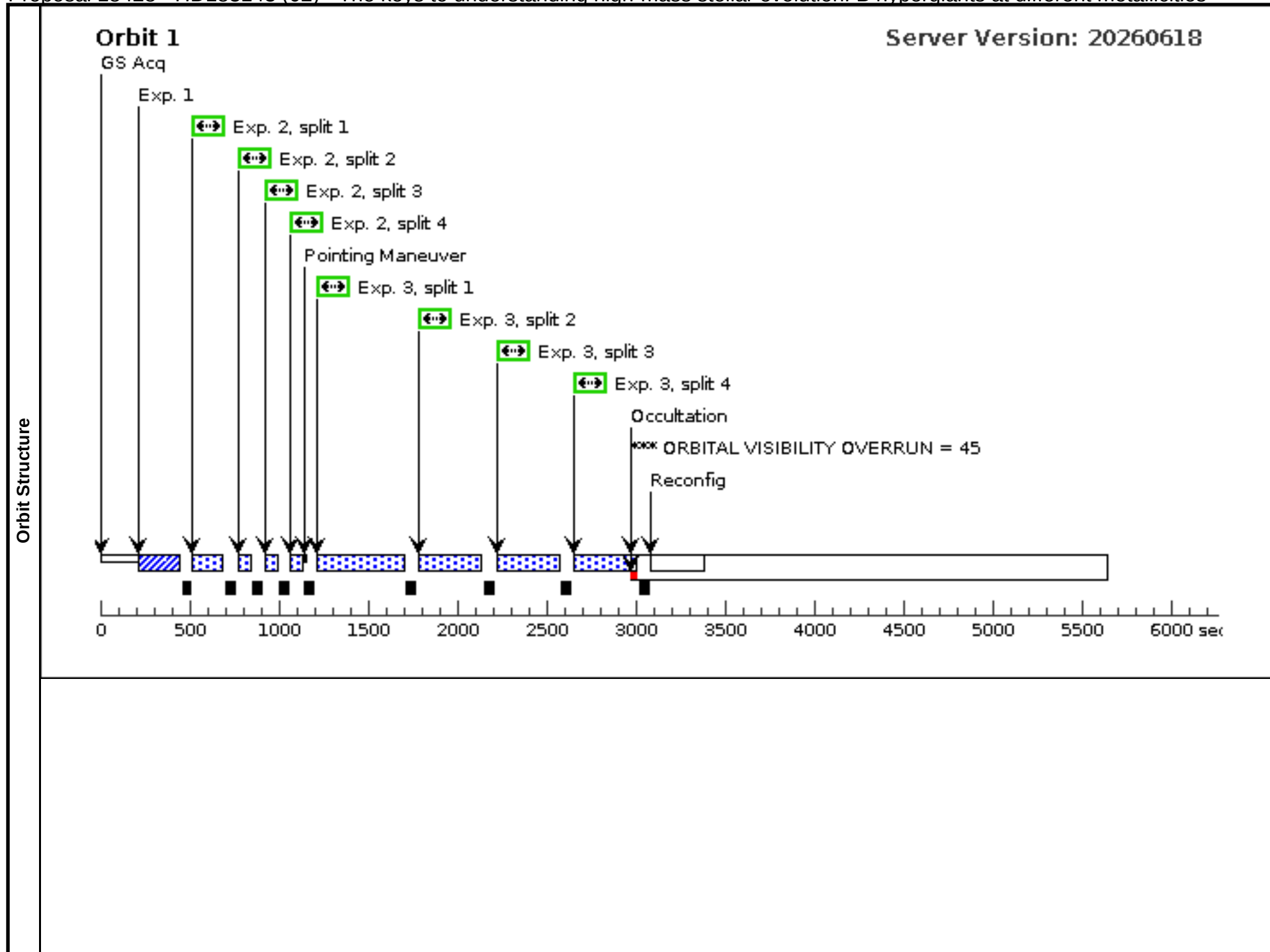
Visit	Proposal 18428, HD80077 (01), implementation										Fri Aug 28 14:00:25 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Diagnostics	(HD80077 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
	(1)	HD-80077	RA: 09 15 54.7869 (138.9782787d) Dec: -49 58 24.58 (-49.97349d) Equinox: J2000	Proper Motion RA: -5.291 mas/yr Proper Motion Dec: 4.941 mas/yr Parallax: 3.736E-4" Epoch of Position: 2000	V=9.0	Reference Frame: ICRS						
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[B0-B2 III-I, B3-B5 III-I] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	TA Exposur e (COS.ta.236 2193)	(1) HD-80077	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				4 Secs (4 Secs) [==>]		[1]	
	2	HD80077-G 230L (COS.sp.231 5252)	(1) HD-80077	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=21 2; FP-POS=ALL			75 Secs (300 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	3	HD80077-G 140L (COS.sp.236 2194)	(1) HD-80077	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; LIFETIME-POS=L P11; BUFFER-TIME=50 00			307 Secs (1228 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	4	HD80077-G 160M (COS.sp.232 1313)	(1) HD-80077	COS/FUV, TIME-TAG, PSA	G160M 1533 A	FP-POS=ALL; BUFFER-TIME=46 00; LIFETIME-POS=L P10			500 Secs (2000 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[2]	
	Comments: Not sure about the LP											





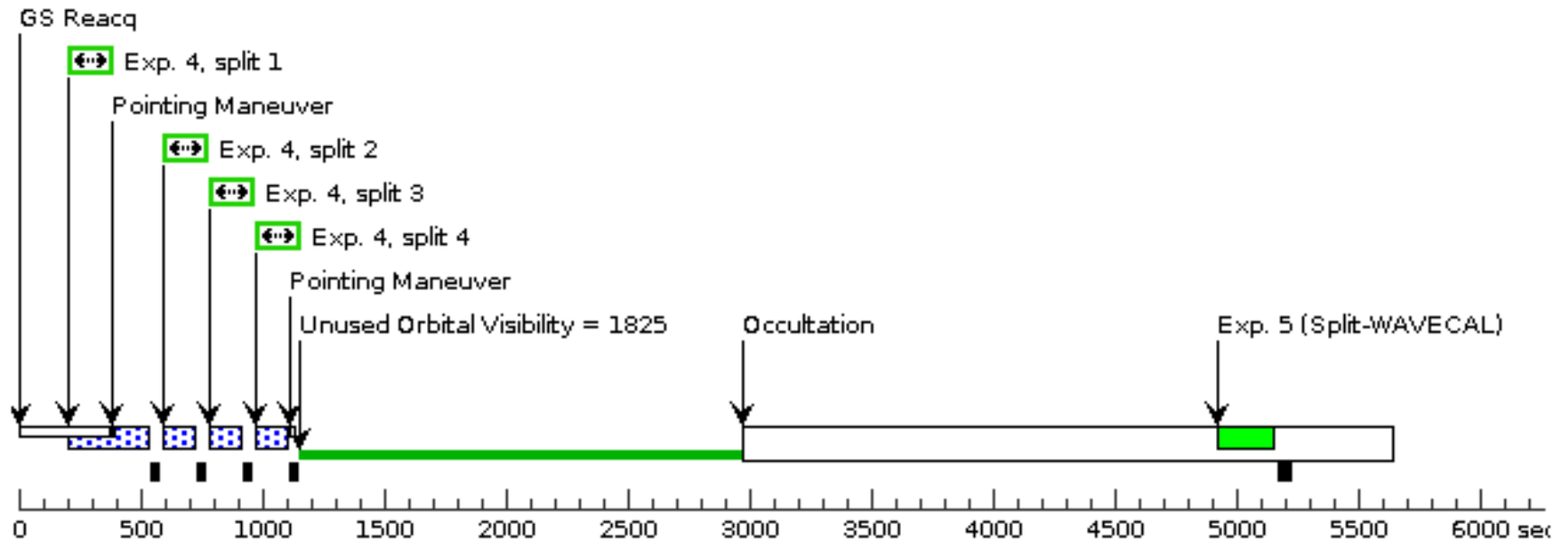
Proposal 18428 - HD183143 (02) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

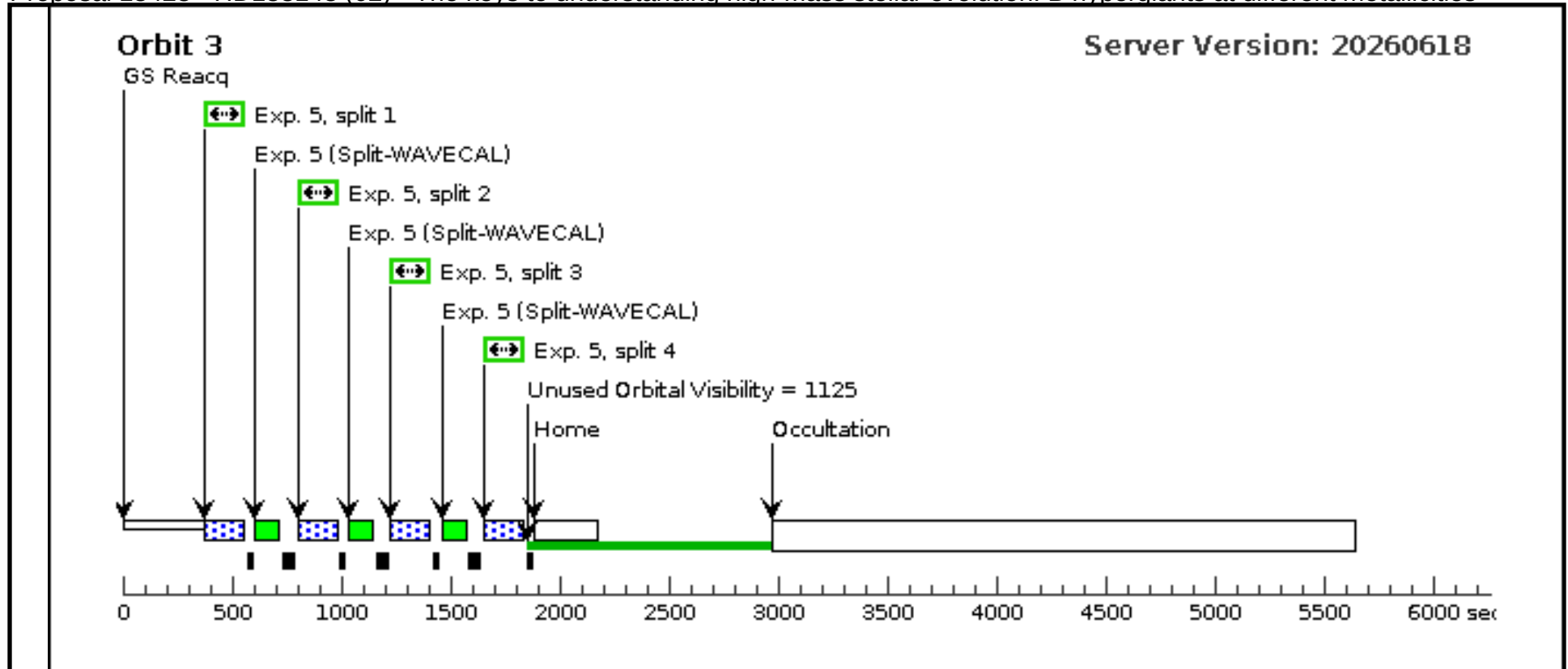
Visit	Proposal 18428, HD183143 (02), implementation										Fri Aug 28 14:00:25 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Comments: orbit numbers added to get around COS timing change. Orbits 2-3 should NOT be filled.												
Diagnostics	(HD183143 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	HD-183143	RA: 19 27 26.5636 (291.8606817d) Dec: +18 17 45.19 (18.29589d) Equinox: J2000		Proper Motion RA: -1.004 mas/yr Proper Motion Dec: -5.703000056200835 mas/yr Parallax: 4.296E-4" Epoch of Position: 2000		V=6.86		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[B6-B9.5 III-I] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	TA exposure (COS.ta.236 6107)	(3) HD-183143	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				4.5 Secs (4.5 Secs)			
									[==>]		[1]	
	2	HD183143-G230L (COS.sp.236 6205)	(3) HD-183143	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=11 5; FP-POS=ALL			50 Secs (200 Secs)			
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	3	HD183143-G140L (COS.sp.236 6115)	(3) HD-183143	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=85 0; FP-POS=ALL; LIFETIME-POS=L P11			300 Secs (1200 Secs)			
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	4	HD183143-G160M (COS.sp.236 6123)	(3) HD-183143	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=66 0; FP-POS=ALL; LIFETIME-POS=L P10			75 Secs (300 Secs)			
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[2]	
	5	HD183143-G130M (COS.sp.236 6127)	(3) HD-183143	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=ALL; LIFETIME-POS=L P7; BUFFER-TIME=16 00			130 Secs (520 Secs)			
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[3]		



Orbit 2

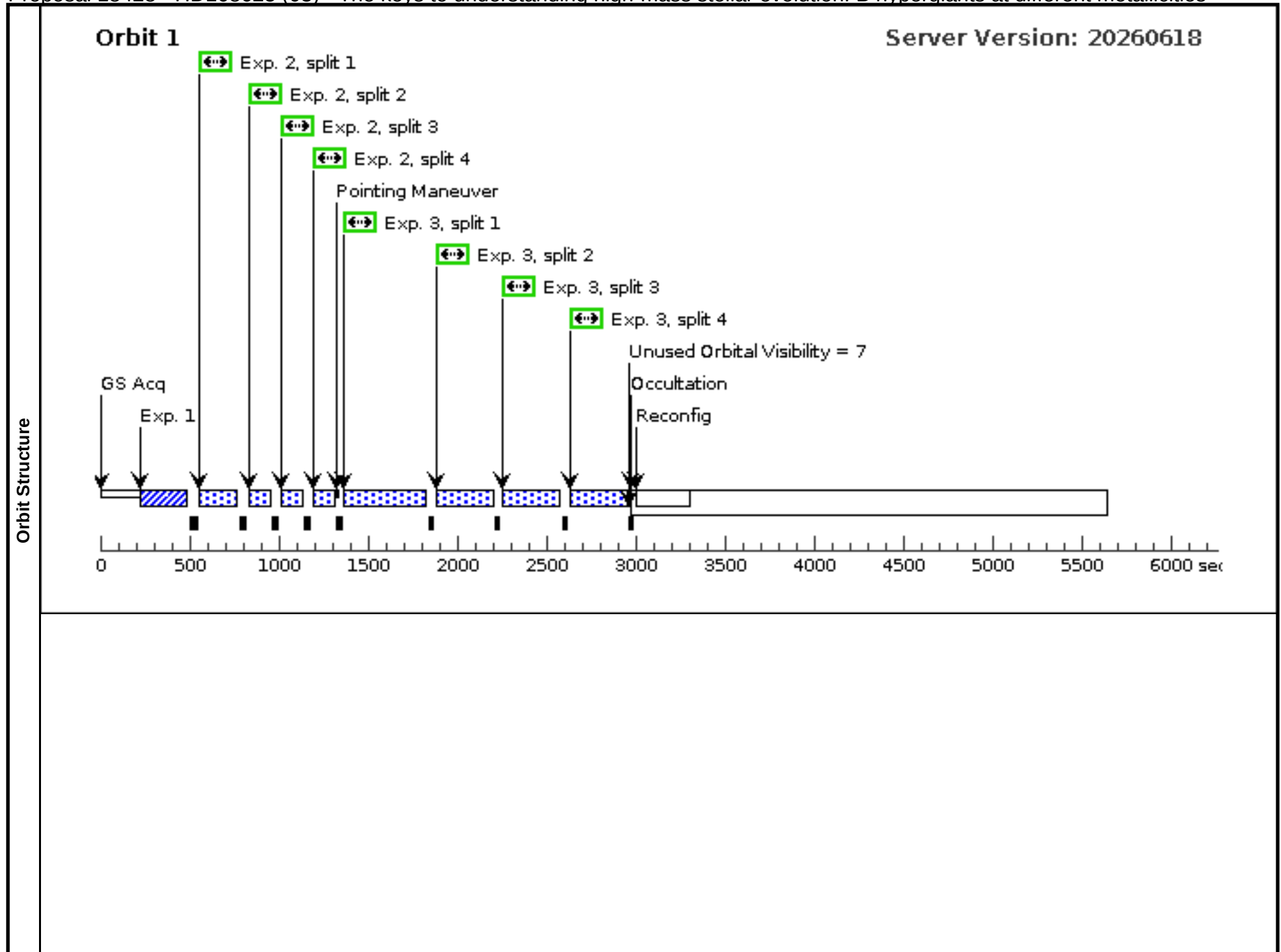
Server Version: 20260618

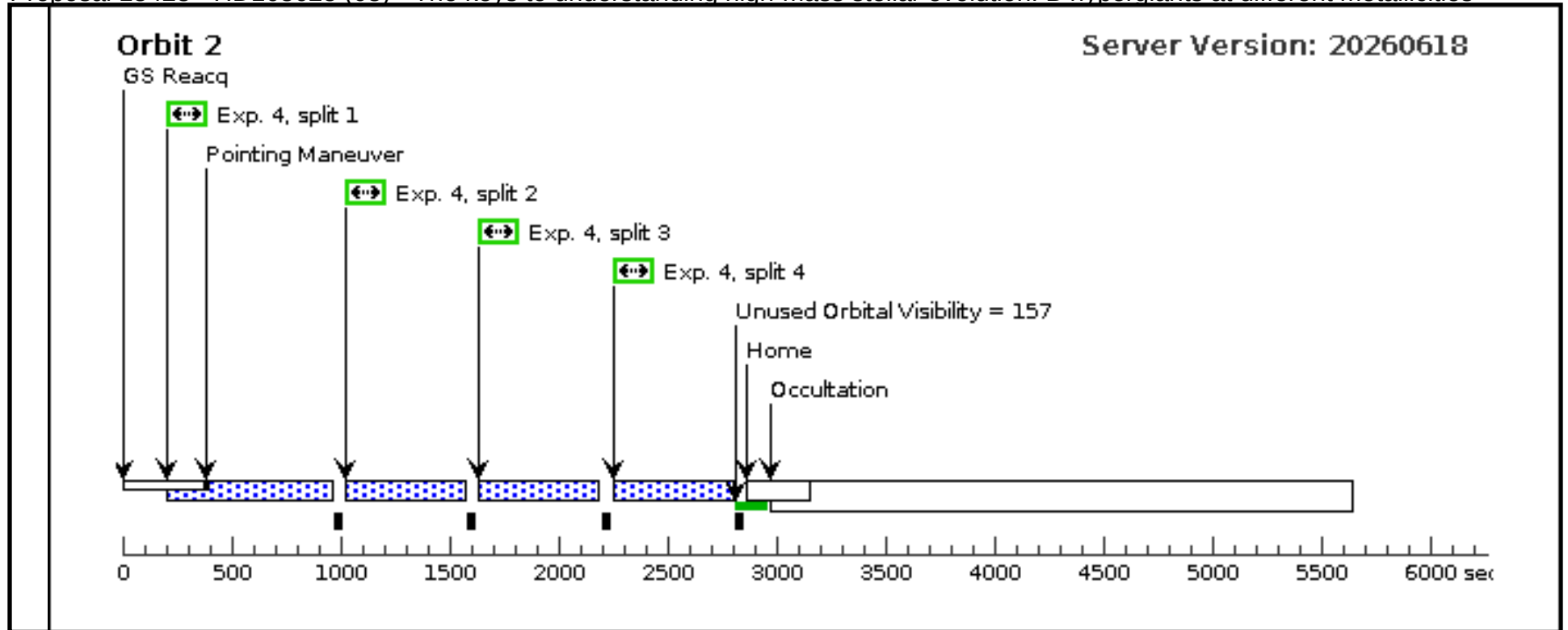




Proposal 18428 - HD168625 (03) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

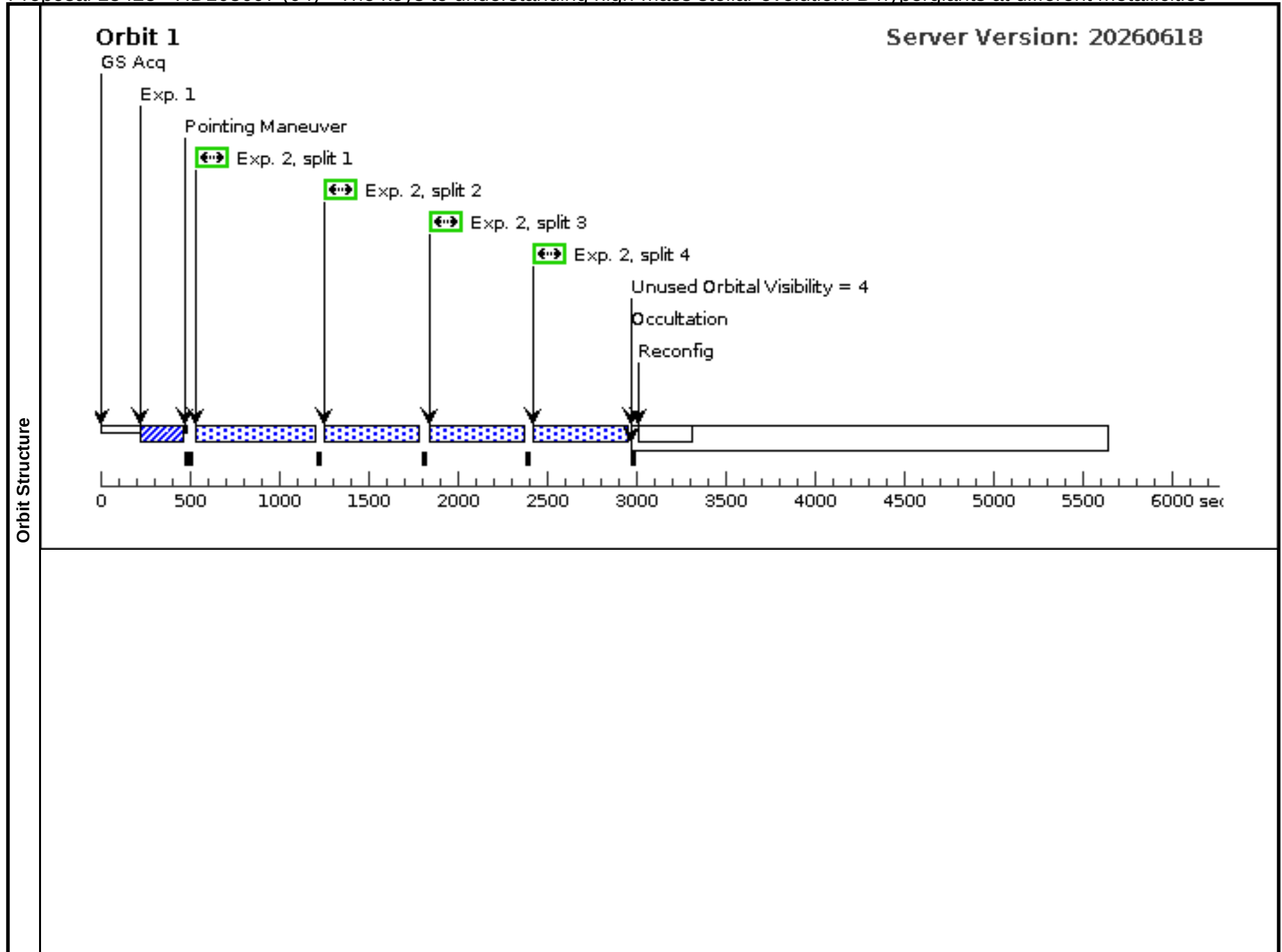
Visit	Proposal 18428, HD168625 (03), implementation										Fri Aug 28 14:00:25 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	HD-168625	RA: 18 21 19.5484 (275.3314517d) Dec: -16 22 26.08 (-16.37391d) Equinox: J2000		Proper Motion RA: 0.304 mas/yr Proper Motion Dec: -1.9780000229729922 mas/yr Parallax: 6.542E-4" Epoch of Position: 2000		V=8.37		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=STAR Description=[B6-B9.5 III-I] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	TA Exposur e (COS.ta.236 2406)	(2) HD-168625	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				25 Secs (25 Secs) [==>]		[1]	
	2	HD168625- G230L (COS.sp.236 2407)	(2) HD-168625	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=55 0; FP-POS=ALL			100 Secs (400 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	3	HD168625- G140L (COS.sp.236 2410)	(2) HD-168625	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; LIFETIME-POS=L P11; BUFFER-TIME=36 00			270 Secs (1080 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	4	HD168625- G160M (COS.sp.236 2409)	(2) HD-168625	COS/FUV, TIME-TAG, PSA	G160M 1533 A	FP-POS=ALL; BUFFER-TIME=36 00; LIFETIME-POS=L P10			500 Secs (2000 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[2]	
	Comments: Not sure about the LP											





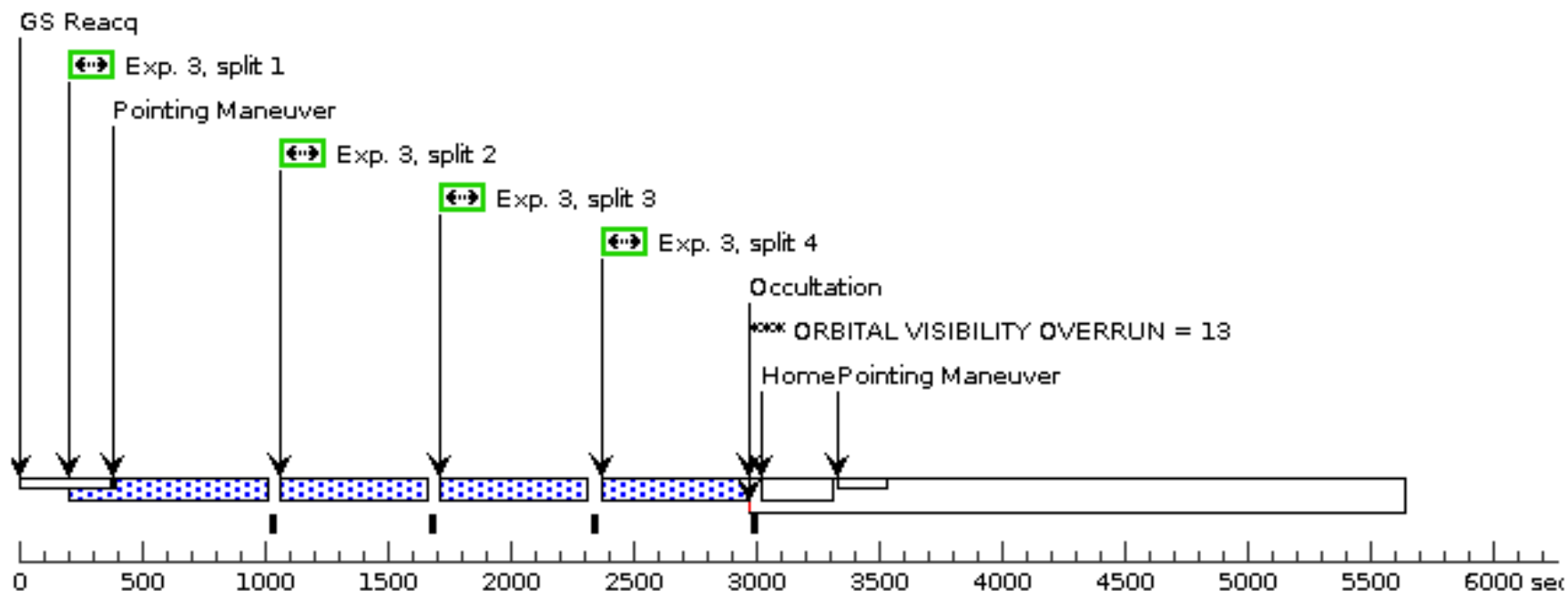
Proposal 18428 - HD168607 (04) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

Visit	Proposal 18428, HD168607 (04), implementation									Fri Aug 28 14:00:25 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, COS/FUV, COS/NUV									
	Special Requirements: (none)									
Diagnostics	(HD168607 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	HD-168607	RA: 18 21 14.8857 (275.3120238d) Dec: -16 22 31.76 (-16.37549d) Equinox: J2000	Proper Motion RA: 0.408 mas/yr Proper Motion Dec: -1.265999912902771 mas/yr Parallax: 5.436999999999999E-4" Epoch of Position: 2000		V=8.28		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.									
	Category=STAR Description=[B6-B9.5 III-I, LUMINOUS BLUE VARIABLE] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	TA Exposur e (COS.ta.236 2413)	(7) HD-168607	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				12 Secs (12 Secs) [==>]	[1]
	2	HD168607- G140L (COS.sp.236 6210)	(7) HD-168607	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; LIFETIME-POS=L P11; BUFFER-TIME=88 00			480 Secs (1920 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	3	HD168607- G160M (COS.sp.236 6209)	(7) HD-168607	COS/FUV, TIME-TAG, PSA	G160M 1533 A	FP-POS=ALL; LIFETIME-POS=L P10; BUFFER-TIME=10 200			550 Secs (2200 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
	4	TA Exposur e (STIS.ta.236 3605)	(7) HD-168607	STIS/CCD, ACQ, F25ND3	MIRROR				1 Secs (1 Secs) [==>]	[3]
	Comments: Not sure about STIS TA Filter slit									
	5	HD168607- E230M (STIS.sp.23 63643)	(7) HD-168607	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				2000 Secs (2000 Secs) [==>]	[3]



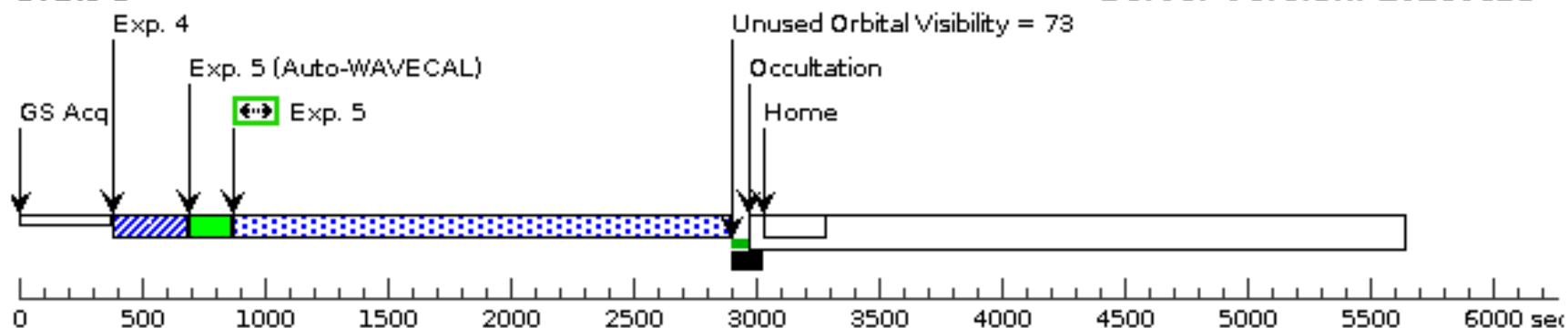
Orbit 2

Server Version: 20260618



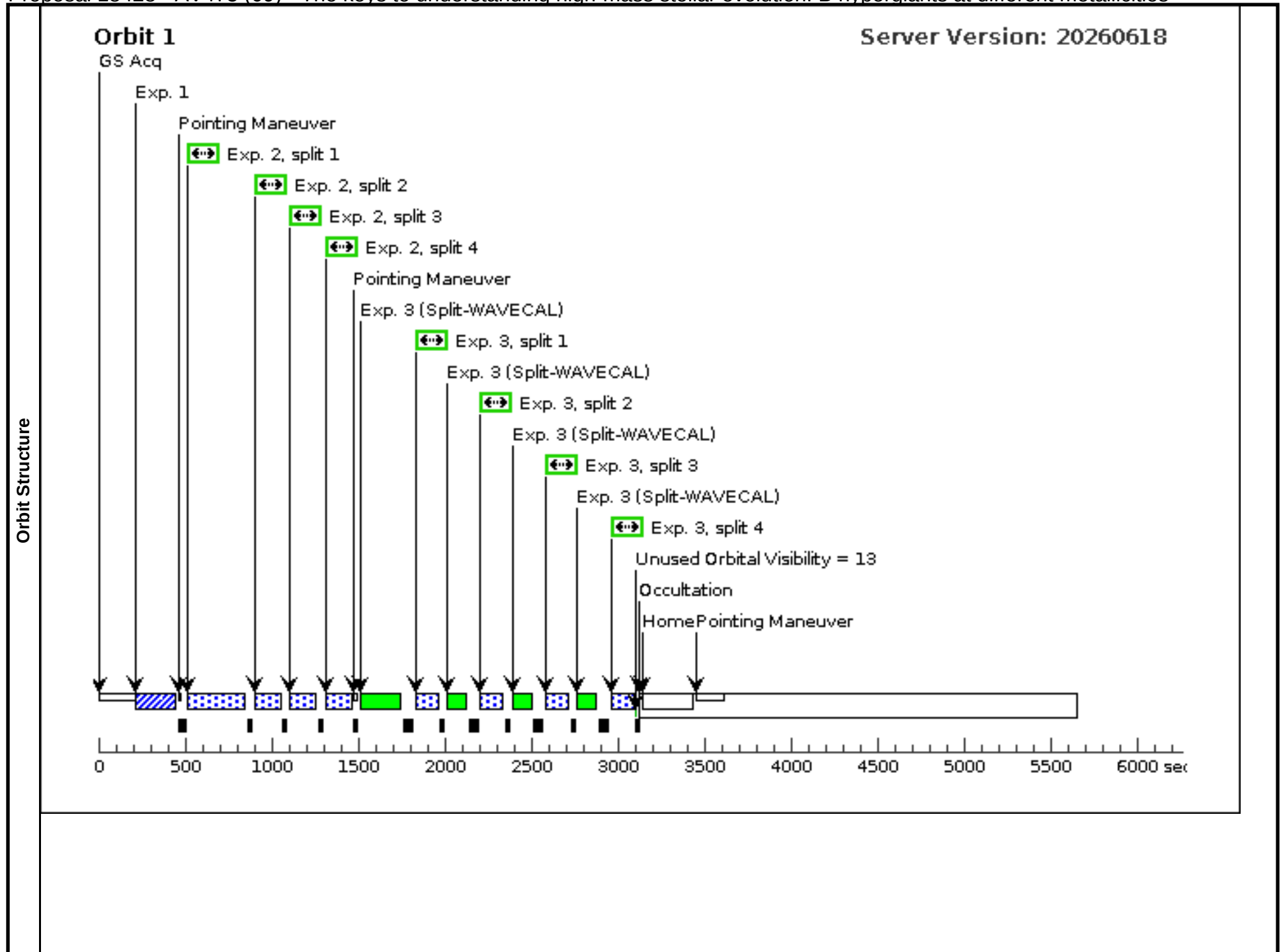
Orbit 3

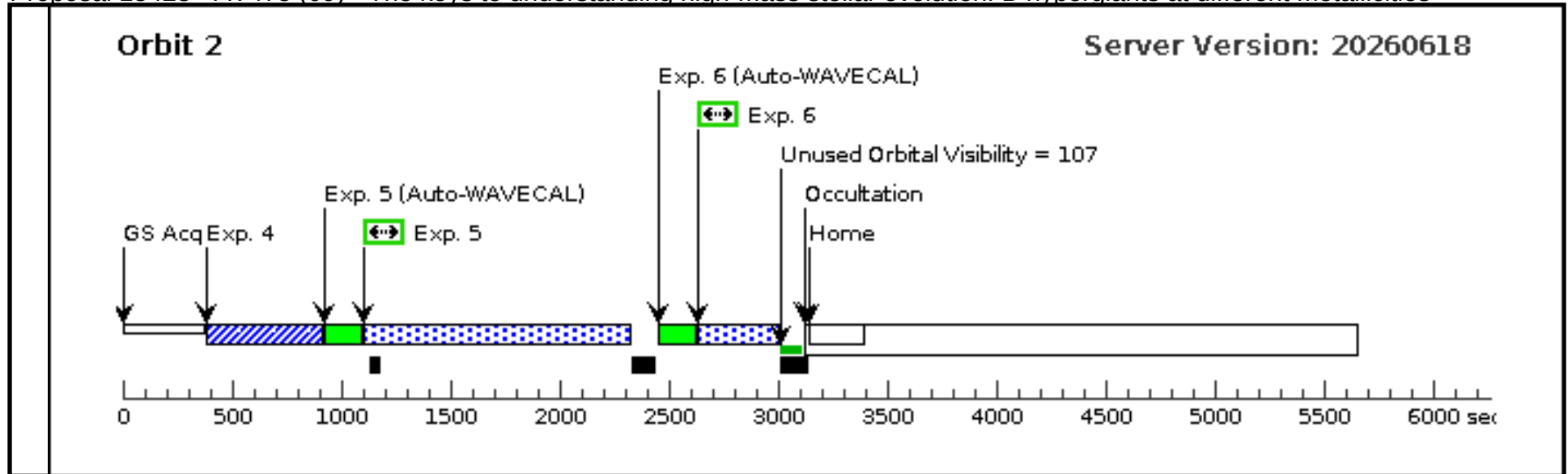
Server Version: 20260618



Proposal 18428 - AV475 (09) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

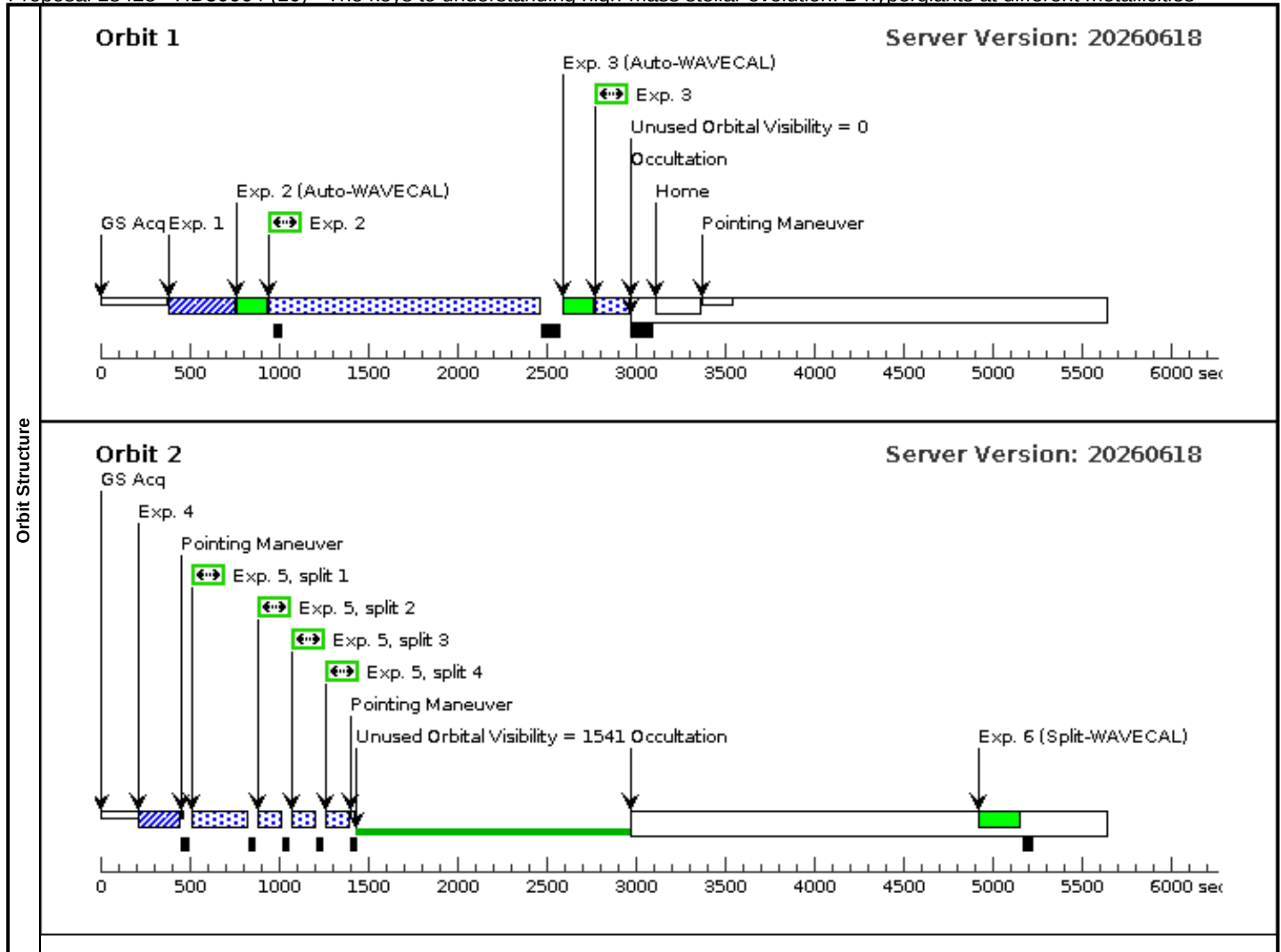
Visit	Proposal 18428, AV475 (09), implementation										Fri Aug 28 14:00:25 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(8)	HD-7583	RA: 01 13 30.5008 (18.3770867d) Dec: -73 20 10.32 (-73.33620d) Equinox: J2000		Proper Motion RA: 0.9779999999999999 mas/yr Proper Motion Dec: -1.265999912902771 mas/yr Parallax: 1.2699999999999999E-5" Epoch of Position: 2000		V=10.2		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[A0-A3 III-I] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	TA Exposur e (COS.ta.236 6084)	(8) HD-7583	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				4 Secs (4 Secs)			
									[==>]		[1]	
	2	AV475-G16 0M (COS.sp.236 6085)	(8) HD-7583	COS/FUV, TIME-TAG, PSA	G160M 1533 A	FP-POS=ALL; LIFETIME-POS=L P10; BUFFER-TIME=90 0			100 Secs (400 Secs)			
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	3	AV475-G13 0M (COS.sp.236 6088)	(8) HD-7583	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=ALL; LIFETIME-POS=L P7; BUFFER-TIME=19 00			80 Secs (320 Secs)			
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]	
	4	TA Exposur e (STIS.ta.236 6198)	(8) HD-7583	STIS/CCD, ACQ, F25ND3	MIRROR				60 Secs (60 Secs)			
									[==>]		[2]	
		Comments: Not sure about STIS TA Filter slit										
5	AV475-E23 0M (STIS.sp.23 66201)	(8) HD-7583	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A				1200 Secs (1200 Secs)				
								[==>]		[2]		
6	AV475-E23 0M (STIS.sp.23 63598)	(8) HD-7583	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				350 Secs (350 Secs)				
								[==>]		[2]		

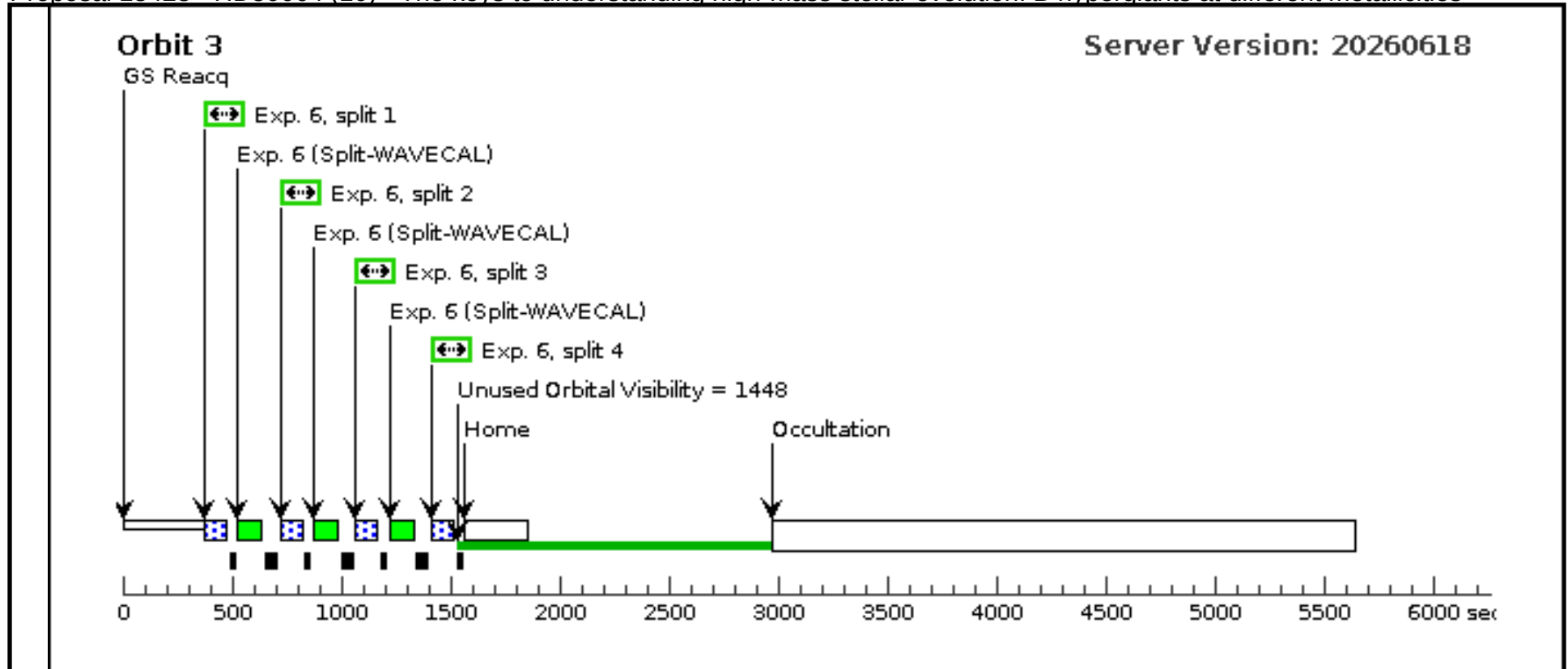




Proposal 18428 - HD50064 (10) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

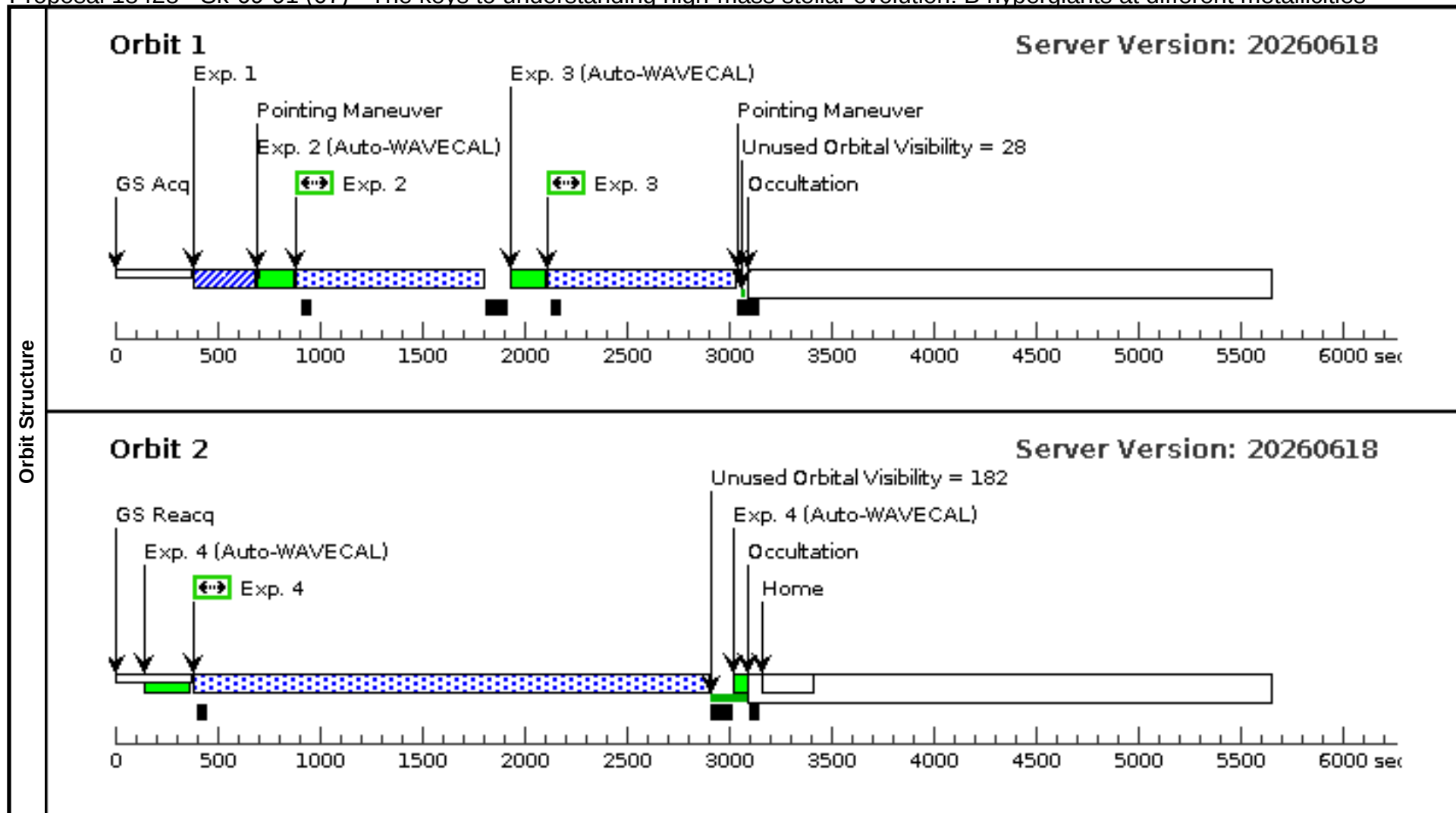
Visit	Proposal 18428, HD50064 (10), implementation								Fri Aug 28 14:00:25 GMT 2026	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, COS/FUV, COS/NUV									
	Special Requirements: (none)									
Comments: orbit numbers added to get around COS timing change. Orbits 2-3 should NOT be filled.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	HD-50064	RA: 06 51 34.1060 (102.8921083d) Dec: +00 17 50.47 (.29735d) Equinox: J2000	Proper Motion RA: -0.053 mas/yr Proper Motion Dec: 0.534 mas/yr Parallax: 1.846E-4" Epoch of Position: 2000	V=8.3	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[B0-B2 III-I] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	TA Exposur e (STIS.ta.236 3571)	(10) HD-50064	STIS/CCD, ACQ, F25ND3	MIRROR				20 Secs (20 Secs) [==>]	[1]
	2	HD50064-E 230M (STIS.sp.23 63657)	(10) HD-50064	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A				1500 Secs (1500 Secs) [==>]	[1]
	3	HD50064-E 230M (STIS.sp.23 63656)	(10) HD-50064	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				175 Secs (175 Secs) [==>]	[1]
	4	TA Exposur e (COS.ta.236 6094)	(10) HD-50064	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				3 Secs (3 Secs) [==>]	[2]
	5	HD50064-G 160M (COS.sp.236 6093)	(10) HD-50064	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=50 0; LIFETIME-POS=L P10; FP-POS=ALL			75 Secs (300 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
	6	HD50064-G 130M (COS.sp.236 6095)	(10) HD-50064	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=50 0; LIFETIME-POS=L P7; FP-POS=ALL			50 Secs (200 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[3]





Proposal 18428 - Sk-69-91 (07) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

Visit	Proposal 18428, Sk-69-91 (07), implementation								Fri Aug 28 14:00:25 GMT 2026	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	HD-269327	RA: 05 17 46.3769 (79.4432371d) Dec: -69 50 57.23 (-69.84923d) Equinox: J2000	Proper Motion RA: 2.006 mas/yr Proper Motion Dec: 0.257 mas/yr Parallax: 1.3000000000000002E-4" Epoch of Position: 2000	V=10.74	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.									
	Category=STAR Description=[B0-B2 III-I] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	TA Exposur e (STIS.ta.236 3618)	(9) HD-269327	STIS/CCD, ACQ, F25ND3	MIRROR				1 Secs (1 Secs) [==>]	[1]
	Comments: Not sure about STIS TA Filter slit									
	2	Sk6991-E23 0M (STIS.sp.23 63664)	(9) HD-269327	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M 1978 A				900 Secs (900 Secs) [==>]	[1]
	3	Sk6991-E23 0M (STIS.sp.23 63663)	(9) HD-269327	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M 2707 A				900 Secs (900 Secs) [==>]	[1]
	4	Sk6991-E14 0M (STIS.sp.23 63659)	(9) HD-269327	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2500 Secs (2500 Secs) [==>]	[2]



Proposal 18428 - Sk-67-17 (08) - The keys to understanding high-mass stellar evolution: B hypergiants at different metallicities

Visit	Proposal 18428, Sk-67-17 (08), implementation									Fri Aug 28 14:00:25 GMT 2026
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	HD-32034	RA: 04 55 11.0852 (73.7961883d) Dec: -67 10 10.41 (-67.16956d) Equinox: J2000	Proper Motion RA: 1.633 mas/yr Proper Motion Dec: -0.022000040189595893 mas/yr Parallax: 4.2E-6" Epoch of Position: 2000		V=9.715		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.This object was generated by the targetselector and retrieved from the SIMBAD database.									
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.									
	Category=STAR Description=[B6-B9.5 III-I] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	TA Exposur e (STIS.ta.236 3619)	(4) HD-32034	STIS/CCD, ACQ, F25ND3	MIRROR				1 Secs (1 Secs) [==>]	[1]
	2	Sk6717-E23 0M (STIS.sp.23 63670)	(4) HD-32034	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 1978 A				1300 Secs (1300 Secs) [==>]	[1]
	3	Sk6717-E23 0M (STIS.sp.23 63674)	(4) HD-32034	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				500 Secs (500 Secs) [==>]	[1]
	4	Sk6717-E14 0M (STIS.sp.23 63665)	(4) HD-32034	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2600 Secs (2600 Secs) [==>]	[2]

