



18409 - New Lyman alpha reconstruction routines and the observations required to test them

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	(2) V-DE-CVN	STIS/CCD STIS/NUV-MAMA	1	31-Aug-2026 18:00:17.0	yes
02	(2) V-DE-CVN	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:17.0	yes
05	(2) V-DE-CVN	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:18.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
04	(2) V-DE-CVN	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:18.0	yes
03	(2) V-DE-CVN	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:19.0	yes
12	(4) HZ-9	STIS/CCD STIS/NUV-MAMA	1	31-Aug-2026 18:00:19.0	yes
07	(4) HZ-9	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:20.0	yes
18	(4) HZ-9	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:20.0	yes
19	(4) HZ-9	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:21.0	yes
20	(4) HZ-9	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:21.0	yes
13	(5) WOLF-1130	STIS/CCD STIS/NUV-MAMA	1	31-Aug-2026 18:00:22.0	yes
15	(5) WOLF-1130	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:22.0	yes
21	(5) WOLF-1130	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:23.0	yes
22	(5) WOLF-1130	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:24.0	yes
23	(5) WOLF-1130	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:24.0	yes
14	(6) G-249-36	STIS/CCD STIS/NUV-MAMA	1	31-Aug-2026 18:00:25.0	yes
16	(6) G-249-36	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:25.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
24	(6) G-249-36	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:26.0	yes
25	(6) G-249-36	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:26.0	yes
26	(6) G-249-36	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:27.0	yes
06	(3) V-UZ-SEX	STIS/CCD STIS/NUV-MAMA	1	31-Aug-2026 18:00:27.0	yes
17	(3) V-UZ-SEX	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:28.0	yes
08	(3) V-UZ-SEX	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:28.0	yes
09	(3) V-UZ-SEX	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:29.0	yes
10	(3) V-UZ-SEX	STIS/CCD STIS/FUV-MAMA	1	31-Aug-2026 18:00:30.0	yes
11	(1) V-EG-UMA	STIS/CCD STIS/NUV-MAMA	1	31-Aug-2026 18:00:30.0	yes

26 Total Orbits Used

ABSTRACT

The ultraviolet flux of low mass stars is dominated by the HI Lyman alpha line, which must be reconstructed to remove absorption from the ISM. For most stars, STIS G140M is the only practical observing mode for Lyman alpha, and hundreds of such spectra have been obtained. However, the resolution of G140M is too low to separate the HI and DI line cores, leading to large systematic uncertainties in existing reconstruction routines. Such systematic errors were dramatically demonstrated via observations of the binary EG UMa, where reconstructions at different levels of ISM absorption returned intrinsic Lyman alpha fluxes that differed by more than a factor of two. These systematic errors must be resolved to ensure the reliability of Lyman alpha measurements based on G140M.

We aim to develop the most advanced reconstruction routines to date and collect a sample of observations at which to test it. The new reconstruction

routines drastically reduce the time required for a reconstruction, allowing us to include new priors and explore an expanded parameter space of solutions in ways that were impractical until now. Our laboratory will be a sample of five close white dwarf-M dwarf binaries. The high radial velocity change over the binary orbit moves the M dwarf Lyman alpha line through different levels of ISM absorption, allowing reconstructions based on a highly absorbed line to be compared with the unabsorbed, ground truth line. We will also observe the Mg II emission lines of each star, which provide an independent measurement of the ISM column density. This experiment will finally confirm reconstructions based on G140M as a reliable measurement of the true Lyman alpha line.

OBSERVING DESCRIPTION

The program will observe 6 stars with STIS G140M (four visits) and E230M (one visit). The targets are post-common envelope binaries consisting of a white dwarf and M dwarf in < 1 day orbits. The objective is to observe the HI Lyman alpha 1216Å line of the M dwarf at different radial velocities and thus different levels of absorption by the fixed-velocity ISM. The E230M observations will provide an independent observation of the ISM absorption at Mg II 2800Å.

The G140M visits will use the 1222Å cenwave. One observation should be obtained at each of orbital phases 0, 0.25, 0.5 and 0.75, with an allowable phase range of ± 0.05 . G140M observations will NOT be obtained for Target 1 EG UMa as suitable archival observations are available.

The E230M observations will use the 2707Å cenwave to cover the Mg II 2800Å doublet. As both the emission and absorption lines are quite narrow, the observations should be obtained at a phase such that the estimated velocity of the M dwarf and ISM are close to the same, i.e. at phases 0 and 0.5 plus an adjustment for the systemic velocity. The exact phase ranges are given in the APT based on an estimated ISM velocity for each star. The phase error is tighter for the E230M, typically ± 0.02 , as the MgII lines are very narrow.

The APT only allows one phase range for the NUV observations. We list both allowable ranges here if it helps with scheduling:

Note: After the initial phase 2 submission we realised that we can remove this restriction for three targets, as the white dwarf continuum will be bright enough to detect the ISM as an absorption feature regardless of whether or not it falls on the M dwarf emission lines.

WOLF-1130 0.99-0.02, 0.48-0.51

G-249-36 0.01-0.05, 0.45-0.49

Proposal 18409 (STScI Edit Number: 0, Created: Monday, August 31, 2026, 5:00:31PM Eastern Standard Time) - Overview

A secondary goal of the E230M observation of Target 2 DE CVN is to obtain the previously unobserved white dwarf NUV spectrum. As the white dwarf is eclipsed by the M dwarf at phase 0, only phase 0.5 is suitable for the E230M observations.

The observations should be carried out at times where the ISM velocity relative to the Earth is < 20 km/s, such that the bright Ly α airglow line falls into the deepest ISM absorption. We have calculated this for each star and find allowable ranges of many months, and Wolf 1130 fulfils this requirement at all times.

Whilst we do not have it as a constraint to aid scheduling, we request that the observations for each star are obtained as close together as possible to reduce the effects of intrinsic variability between visits. The order of the visits for each star is irrelevant.

Proposal 18409 - De CVn NUV (01) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, De CVn NUV (01), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD										
	Special Requirements: Period 0.364 D AND ZERO-PHASE HJD2452784.553										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(2)	V-DE-CVN	RA: 13 26 53.2713 (201.7219638d) Dec: +45 32 46.69 (45.54630d) Equinox: J2000	Proper Motion RA: -202.309 mas/yr Proper Motion Dec: -175.7420001013088 mas/yr Parallax: 0.0327728" Epoch of Position: 2000		V=12.96	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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 0356)	(2) V-DE-CVN	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 0357)	(2) V-DE-CVN	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR		PHASE 0.48 TO 0.5 1		1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.23 60331)	(2) V-DE-CVN	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=17 33	PHASE 0.48 TO 0.5 1		1900 Secs (1179 Secs)			
									[==>1179.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Home Exp. 2 Pointing Maneuver Home Exp. 3 (Auto-WAVECAL) Exp. 3 Unused Orbital Visibility = 0 Occultation Home										

Proposal 18409 - DE CVn Lya 000 (02) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, DE CVn Lya 000 (02), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 31-JUL-2026:00:00:00 AND 24-NOV-2026:00:00:00; BETWEEN 14-JAN-2027:00:00:00 AND 24-NOV-2027:00:00:00; BETWEEN 14-AUG-2028:00:00:00 AND 24-NOV-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	V-DE-CVN	RA: 13 26 53.2713 (201.7219638d) Dec: +45 32 46.69 (45.54630d) Equinox: J2000	Proper Motion RA: -202.309 mas/yr Proper Motion Dec: -175.7420001013088 mas/yr Parallax: 0.0327728" Epoch of Position: 2000	V=12.96	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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 0356)	(2) V-DE-CVN	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 0357)	(2) V-DE-CVN	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.23 60865)	(2) V-DE-CVN	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=99 51	PHASE 0.95 TO 0.0 5		1500 Secs (1436 Secs)			
								[==>1436.0 Secs]	[1]		
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - DE CVn Lya 025 (05) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, DE CVn Lya 025 (05), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 31-JUL-2026:00:00:00 AND 24-NOV-2026:00:00:00; BETWEEN 14-JAN-2027:00:00:00 AND 24-NOV-2027:00:00:00; BETWEEN 14-JAN-2028:00:00:00 AND 24-NOV-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	V-DE-CVN	RA: 13 26 53.2713 (201.7219638d) Dec: +45 32 46.69 (45.54630d) Equinox: J2000	Proper Motion RA: -202.309 mas/yr Proper Motion Dec: -175.7420001013088 mas/yr Parallax: 0.0327728" Epoch of Position: 2000	V=12.96	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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 0356)	(2) V-DE-CVN	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 0357)	(2) V-DE-CVN	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.23 60865)	(2) V-DE-CVN	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=99 51	PHASE 0.2 TO 0.3			1500 Secs (1436 Secs)		
									[==>1436.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - DE CVn Lya 050 (04) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, DE CVn Lya 050 (04), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: BETWEEN 31-JUL-2026:00:00:00 AND 24-NOV-2026:00:00:00; BETWEEN 14-JAN-2027:00:00:00 AND 24-NOV-2027:00:00:00; BETWEEN 14-JAN-2028:00:00:00 AND 24-NOV-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	V-DE-CVN	RA: 13 26 53.2713 (201.7219638d) Dec: +45 32 46.69 (45.54630d) Equinox: J2000	Proper Motion RA: -202.309 mas/yr Proper Motion Dec: -175.7420001013088 mas/yr Parallax: 0.0327728" Epoch of Position: 2000	V=12.96	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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 0356)	(2) V-DE-CVN	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 0357)	(2) V-DE-CVN	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.23 60865)	(2) V-DE-CVN	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=99 51	PHASE 0.45 TO 0.5 5		1500 Secs (1436 Secs)			
									[==>1436.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - DE CVn Lya 075 (03) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, DE CVn Lya 075 (03), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 31-JUL-2026:00:00:00 AND 24-NOV-2026:00:00:00; BETWEEN 14-JAN-2027:00:00:00 AND 24-NOV-2027:00:00:00; BETWEEN 14-JAN-2028:00:00:00 AND 24-NOV-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	V-DE-CVN	RA: 13 26 53.2713 (201.7219638d) Dec: +45 32 46.69 (45.54630d) Equinox: J2000	Proper Motion RA: -202.309 mas/yr Proper Motion Dec: -175.7420001013088 mas/yr Parallax: 0.0327728" Epoch of Position: 2000	V=12.96	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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 0356)	(2) V-DE-CVN	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 0357)	(2) V-DE-CVN	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.23 60865)	(2) V-DE-CVN	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=99 51	PHASE 0.7 TO 0.8			1500 Secs (1436 Secs)		
									[==>1436.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - HZ-9 NUV (12) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, HZ-9 NUV (12), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	HZ-9	RA: 04 32 23.7570 (68.0989875d) Dec: +17 45 2.67 (17.75074d) Equinox: J2000		Proper Motion RA: 109.743 mas/yr Proper Motion Dec: -34.405000064907654 mas/yr Parallax: 0.023391600000000002" Epoch of Position: 2000		V=13.93		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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6684)	(4) HZ-9	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6685)	(4) HZ-9	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	3	(STIS.sp.23 66686)	(4) HZ-9	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=98 4.0			1900 Secs (1809 Secs)		
									[==>1809.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - HZ-9 Lya 000 (07) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, HZ-9 Lya 000 (07), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 20-MAY-2026:00:00:00 AND 13-DEC-2026:00:00:00; BETWEEN 20-MAY-2027:00:00:00 AND 13-DEC-2027:00:00:00; BETWEEN 20-MAY-2028:00:00:00 AND 13-DEC-2028:00:00:00; Period 0.5641666667 D AND ZERO-PHASE HJD2443456.954											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	HZ-9	RA: 04 32 23.7570 (68.0989875d) Dec: +17 45 2.67 (17.75074d) Equinox: J2000	Proper Motion RA: 109.743 mas/yr Proper Motion Dec: -34.405000064907654 mas/yr Parallax: 0.023391600000000002" Epoch of Position: 2000	V=13.93	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6684)	(4) HZ-9	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6685)	(4) HZ-9	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63298)	(4) HZ-9	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=87 09	PHASE 0.95 TO 0.0 5		1700 Secs (1401 Secs)			
								[==>1401.0 Secs]	[1]		
Orbit Structure	Orbit 1 Server Version: 20260618 The timeline for Orbit 1 shows the following sequence of events and durations: - GS Acq: ~20s - Exp. 1: ~40s (blue diagonal pattern) - Pointing Maneuver: ~40s - Exp. 2: ~40s (blue diagonal pattern) - Pointing Maneuver: ~40s - Home: ~40s - Exp. 3 (Auto-WAVECAL): ~40s (green solid pattern) - Exp. 3: ~40s (green solid pattern) - Unused Orbital Visibility = 0: ~40s - Occultation: ~40s (black solid pattern) - Home: ~40s The total duration of the orbit is 6000 seconds.										

Proposal 18409 - HZ-9 Lya 025 (18) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, HZ-9 Lya 025 (18), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: BETWEEN 20-MAY-2026:00:00:00 AND 13-DEC-2026:00:00:00; BETWEEN 20-MAY-2027:00:00:00 AND 13-DEC-2027:00:00:00; BETWEEN 20-MAY-2028:00:00:00 AND 13-DEC-2028:00:00:00; Period 0.5641666667 D AND ZERO-PHASE HJD2443456.954										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	HZ-9	RA: 04 32 23.7570 (68.0989875d) Dec: +17 45 2.67 (17.75074d) Equinox: J2000	Proper Motion RA: 109.743 mas/yr Proper Motion Dec: -34.405000064907654 mas/yr Parallax: 0.023391600000000002" Epoch of Position: 2000	V=13.93	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6684)	(4) HZ-9	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6685)	(4) HZ-9	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63298)	(4) HZ-9	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=87 09	PHASE 0.2 TO 0.3			1700 Secs (1401 Secs)		
									[==>1401.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

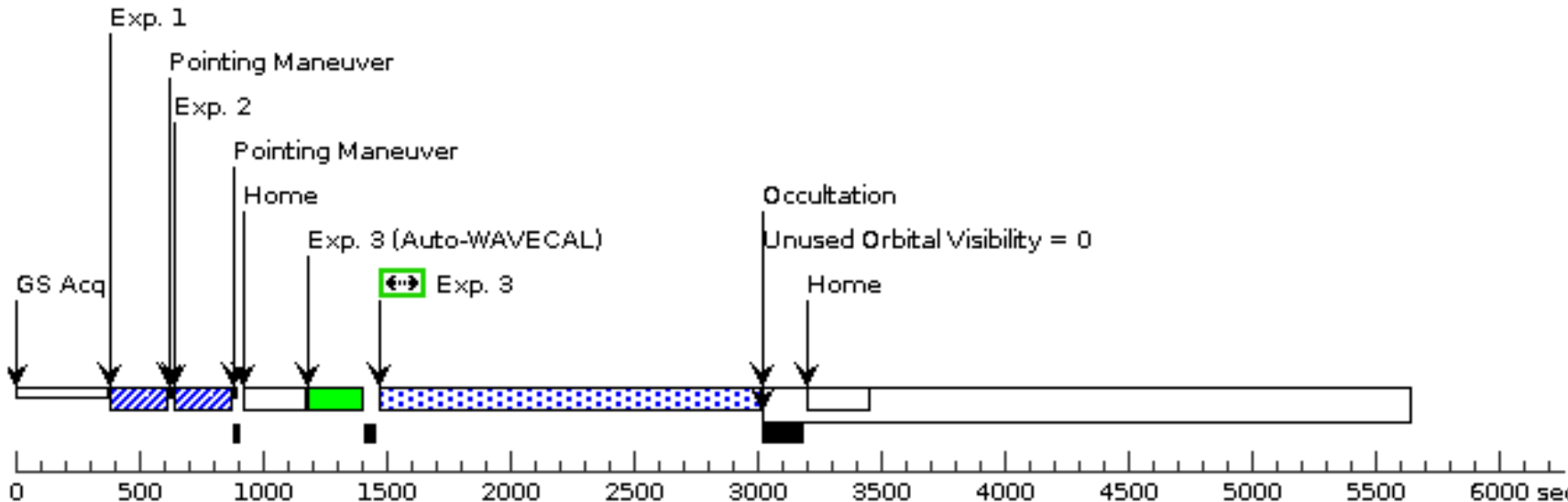
Proposal 18409 - HZ-9 Lya 050 (19) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, HZ-9 Lya 050 (19), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
Special Requirements: BETWEEN 20-MAY-2026:00:00:00 AND 13-DEC-2026:00:00:00; BETWEEN 20-MAY-2027:00:00:00 AND 13-DEC-2027:00:00:00; BETWEEN 20-MAY-2028:00:00:00 AND 13-DEC-2028:00:00:00; Period 0.5641666667 D AND ZERO-PHASE HJD2443456.954											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	HZ-9	RA: 04 32 23.7570 (68.0989875d) Dec: +17 45 2.67 (17.75074d) Equinox: J2000	Proper Motion RA: 109.743 mas/yr Proper Motion Dec: -34.405000064907654 mas/yr Parallax: 0.023391600000000002" Epoch of Position: 2000	V=13.93	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6684)	(4) HZ-9	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6685)	(4) HZ-9	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63298)	(4) HZ-9	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=87 09	PHASE 0.45 TO 0.5 5			1700 Secs (1401 Secs)		
									[==>1401.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618 The timeline for Orbit 1 shows the following sequence of events and durations: - GS Acq: ~20s - Exp. 1: ~40s (blue hatched) - Pointing Maneuver: ~40s (white) - Exp. 2: ~40s (blue hatched) - Pointing Maneuver: ~40s (white) - Home: ~40s (white) - Exp. 3 (Auto-WAVECAL): ~40s (green) - Exp. 3: ~40s (green) - Unused Orbital Visibility = 0: ~40s (blue checkered) - Occultation: ~40s (black) - Home: ~40s (white) The total duration of the orbit is 6000 seconds.										

Proposal 18409 - HZ-9 Lya 075 (20) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, HZ-9 Lya 075 (20), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 20-MAY-2026:00:00:00 AND 13-DEC-2026:00:00:00; BETWEEN 20-MAY-2027:00:00:00 AND 13-DEC-2027:00:00:00; BETWEEN 20-MAY-2028:00:00:00 AND 13-DEC-2028:00:00:00; Period 0.5641666667 D AND ZERO-PHASE HJD2443456.954											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	HZ-9	RA: 04 32 23.7570 (68.0989875d) Dec: +17 45 2.67 (17.75074d) Equinox: J2000	Proper Motion RA: 109.743 mas/yr Proper Motion Dec: -34.405000064907654 mas/yr Parallax: 0.023391600000000002" Epoch of Position: 2000	V=13.93	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6684)	(4) HZ-9	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6685)	(4) HZ-9	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63298)	(4) HZ-9	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=87 09	PHASE 0.7 TO 0.8		1700 Secs (1401 Secs)			
								[==>1401.0 Secs]	[1]		
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - WOLF-1130 NUV (13) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, WOLF-1130 NUV (13), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD										
	Special Requirements: Period 0.49670418 D AND ZERO-PHASE HJD2456849.59										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	WOLF-1130	RA: 20 05 2.1951 (301.2591462d) Dec: +54 26 3.23 (54.43423d) Equinox: J2000		Proper Motion RA: -1159.524 mas/yr Proper Motion Dec: -904.0079999522277 mas/yr Parallax: 0.0602958" Epoch of Position: 2000		V=13.883		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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(STIS.ta.236 6702)	(5) WOLF-1130	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
	2	(STIS.ta.236 6705)	(5) WOLF-1130	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
3	(STIS.sp.23 66708)	(5) WOLF-1130	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=19 71	PHASE 0.99 TO 0.0 2			1900 Secs (1521 Secs)		
									[==>1521.0 Secs]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 										

Proposal 18409 - WOLF-1130 Lya 000 (15) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, WOLF-1130 Lya 000 (15), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: Period 0.364 D AND ZERO-PHASE HJD2452784.553										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(5)	WOLF-1130	RA: 20 05 2.1951 (301.2591462d) Dec: +54 26 3.23 (54.43423d) Equinox: J2000	Proper Motion RA: -1159.524 mas/yr Proper Motion Dec: -904.0079999522277 mas/yr Parallax: 0.0602958" Epoch of Position: 2000		V=13.883		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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(STIS.ta.236 6702)	(5) WOLF-1130	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
	2	(STIS.ta.236 6705)	(5) WOLF-1130	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
3	(STIS.sp.19 63292)	(5) WOLF-1130	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 50	PHASE 0.95 TO 0.0 5		1700 Secs (1451 Secs)			
									[==>1451.0 Secs]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 The timeline for Orbit 1 shows the following sequence of events and durations: - GS Acq: ~400s - Exp. 1: ~450s to ~550s (blue hatched) - Pointing Maneuver: ~550s to ~650s - Exp. 2: ~650s to ~750s (blue hatched) - Pointing Maneuver: ~750s to ~850s - Home: ~850s - Exp. 3 (Auto-WAVECAL): ~900s to ~1000s (green) - Exp. 3: ~1000s to ~1500s (green) - Unused Orbital Visibility = 0: ~1500s to ~3000s (blue checkered) - Occultation: ~3000s to ~3100s (black) - Home: ~3100s to ~3500s The timeline ends at ~5600s.										

Proposal 18409 - WOLF-1130 Lya 025 (21) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, WOLF-1130 Lya 025 (21), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: Period 0.364 D AND ZERO-PHASE HJD2452784.553										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(5)	WOLF-1130	RA: 20 05 2.1951 (301.2591462d) Dec: +54 26 3.23 (54.43423d) Equinox: J2000	Proper Motion RA: -1159.524 mas/yr Proper Motion Dec: -904.0079999522277 mas/yr Parallax: 0.0602958" Epoch of Position: 2000			V=13.883	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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6702)	(5) WOLF-1130	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs) [==>]	[1]	
	2	(STIS.ta.236 6705)	(5) WOLF-1130	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs) [==>]	[1]	
	3	(STIS.sp.19 63292)	(5) WOLF-1130	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 50	PHASE 0.2 TO 0.3		1700 Secs (1451 Secs) [==>1451.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - WOLF-1130 Lya 050 (22) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, WOLF-1130 Lya 050 (22), implementation										Mon Aug 31 22:00:31 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
	Special Requirements: Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(5)	WOLF-1130	RA: 20 05 2.1951 (301.2591462d) Dec: +54 26 3.23 (54.43423d) Equinox: J2000		Proper Motion RA: -1159.524 mas/yr Proper Motion Dec: -904.0079999522277 mas/yr Parallax: 0.0602958" Epoch of Position: 2000		V=13.883		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=[DA, M III-I]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	(STIS.ta.236 6702)	(5) WOLF-1130	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)			
									[==>]		[1]	
	2	(STIS.ta.236 6705)	(5) WOLF-1130	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)			
								[==>]		[1]		
3	(STIS.sp.19 63292)	(5) WOLF-1130	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 50	PHASE 0.45 TO 0.5 5			1700 Secs (1451 Secs)			
								[==>1451.0 Secs]		[1]		
Orbit Structure	Orbit 1											Server Version: 20260618

Proposal 18409 - WOLF-1130 Lya 075 (23) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, WOLF-1130 Lya 075 (23), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: Period 0.364 D AND ZERO-PHASE HJD2452784.553										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(5)	WOLF-1130	RA: 20 05 2.1951 (301.2591462d) Dec: +54 26 3.23 (54.43423d) Equinox: J2000	Proper Motion RA: -1159.524 mas/yr Proper Motion Dec: -904.0079999522277 mas/yr Parallax: 0.0602958" Epoch of Position: 2000			V=13.883	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=[DA, M III-I]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6702)	(5) WOLF-1130	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6705)	(5) WOLF-1130	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63292)	(5) WOLF-1130	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 50	PHASE 0.7 TO 0.8		1700 Secs (1451 Secs)			
								[==>1451.0 Secs]	[1]		
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - G-243-36 NUV (14) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, G-243-36 NUV (14), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD										
	Special Requirements: Period 0.30992678 D AND ZERO-PHASE HJD2458357.729										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	G-249-36	RA: 06 05 29.4017 (91.3725071d) Dec: +60 49 22.46 (60.82291d) Equinox: J2000		Proper Motion RA: 290.189 mas/yr Proper Motion Dec: -788.7819999723433 mas/yr Parallax: 0.0614262" Epoch of Position: 2000		V=13.698 +/-0.040		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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(STIS.ta.236 6716)	(6) G-249-36	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
	2	(STIS.ta.236 6717)	(6) G-249-36	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
3	(STIS.sp.23 66718)	(6) G-249-36	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=18 18	PHASE 0.01 TO 0.0 5		1900 Secs (1559 Secs)			
								[==>1559.0 Secs]		[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - G-249-36 Lya 000 (16) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, G-249-36 Lya 000 (16), implementation								Mon Aug 31 22:00:31 GMT 2026		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 16-JUN-2026:00:00:00 AND 31-DEC-2026:00:00:00; BETWEEN 16-JUN-2027:00:00:00 AND 31-DEC-2027:00:00:00; BETWEEN 16-JUN-2028:00:00:00 AND 31-DEC-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(6)	G-249-36	RA: 06 05 29.4017 (91.3725071d) Dec: +60 49 22.46 (60.82291d) Equinox: J2000	Proper Motion RA: 290.189 mas/yr Proper Motion Dec: -788.7819999723433 mas/yr Parallax: 0.0614262" Epoch of Position: 2000	V=13.698 +/-0.040	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(STIS.ta.236 6716)	(6) G-249-36	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
	2	(STIS.ta.236 6717)	(6) G-249-36	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]		[1]
3	(STIS.sp.19 63283)	(6) G-249-36	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 90	PHASE 0.95 TO 0.0 5			1700 Secs (1489 Secs)		
									[==>1489.0 Secs]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - G-249-36 Lya 025 (24) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, G-249-36 Lya 025 (24), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
Special Requirements: BETWEEN 16-JUN-2026:00:00:00 AND 31-DEC-2026:00:00:00; BETWEEN 16-JUN-2027:00:00:00 AND 31-DEC-2027:00:00:00; BETWEEN 16-JUN-2028:00:00:00 AND 31-DEC-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(6)	G-249-36	RA: 06 05 29.4017 (91.3725071d) Dec: +60 49 22.46 (60.82291d) Equinox: J2000	Proper Motion RA: 290.189 mas/yr Proper Motion Dec: -788.7819999723433 mas/yr Parallax: 0.0614262" Epoch of Position: 2000		V=13.698 +/-0.040		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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(STIS.ta.236 6716)	(6) G-249-36	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs) [==>]		[1]
	2	(STIS.ta.236 6717)	(6) G-249-36	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs) [==>]		[1]
	3	(STIS.sp.19 63283)	(6) G-249-36	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 90	PHASE 0.2 TO 0.3		1700 Secs (1489 Secs) [==>1489.0 Secs]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - G-249-36 Lya 050 (25) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, G-249-36 Lya 050 (25), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: BETWEEN 16-JUN-2026:00:00:00 AND 31-DEC-2026:00:00:00; BETWEEN 16-JUN-2027:00:00:00 AND 31-DEC-2027:00:00:00; BETWEEN 16-JUN-2028:00:00:00 AND 31-DEC-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(6)	G-249-36	RA: 06 05 29.4017 (91.3725071d) Dec: +60 49 22.46 (60.82291d) Equinox: J2000	Proper Motion RA: 290.189 mas/yr Proper Motion Dec: -788.7819999723433 mas/yr Parallax: 0.0614262" Epoch of Position: 2000	V=13.698 +/-0.040	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6716)	(6) G-249-36	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs) [==>]	[1]	
	2	(STIS.ta.236 6717)	(6) G-249-36	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs) [==>]	[1]	
	3	(STIS.sp.19 63283)	(6) G-249-36	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 90	PHASE 0.45 TO 0.5 5		1700 Secs (1489 Secs) [==>1489.0 Secs]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - G-249-36 Lya 075 (26) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, G-249-36 Lya 075 (26), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 16-JUN-2026:00:00:00 AND 31-DEC-2026:00:00:00; BETWEEN 16-JUN-2027:00:00:00 AND 31-DEC-2027:00:00:00; BETWEEN 16-JUN-2028:00:00:00 AND 31-DEC-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(6)	G-249-36	RA: 06 05 29.4017 (91.3725071d) Dec: +60 49 22.46 (60.82291d) Equinox: J2000	Proper Motion RA: 290.189 mas/yr Proper Motion Dec: -788.7819999723433 mas/yr Parallax: 0.0614262" Epoch of Position: 2000	V=13.698 +/-0.040	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6716)	(6) G-249-36	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6717)	(6) G-249-36	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63283)	(6) G-249-36	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=94 90	PHASE 0.7 TO 0.8		1700 Secs (1489 Secs)			
								[==>1489.0 Secs]	[1]		
Orbit Structure	Orbit 1 Server Version: 20260618 The timeline for Orbit 1 shows the following sequence of events: GS Acq: Ground Station Acquisition at approximately 100 seconds. Exp. 1: Exposure 1 at approximately 400 seconds. Pointing Maneuver: First pointing maneuver at approximately 600 seconds. Exp. 2: Exposure 2 at approximately 700 seconds. Pointing Maneuver: Second pointing maneuver at approximately 850 seconds. Home: Return to home position at approximately 900 seconds. Exp. 3 (Auto-WAVECAL): Exposure 3 (Auto-WAVECAL) at approximately 1100 seconds. Exp. 3: Exposure 3 (main observation) at approximately 1500 seconds, highlighted with a green box and a double-headed arrow. Unused Orbital Visibility = 0: Period from approximately 1500 to 3000 seconds. Occultation: Occultation event at approximately 3100 seconds. Home: Return to home position at approximately 3200 seconds. The timeline ends at approximately 5500 seconds.										

Proposal 18409 - UZ Sex NUV (06) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, UZ Sex NUV (06), implementation										Mon Aug 31 22:00:31 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	V-UZ-SEX	RA: 10 28 34.8777 (157.1453237d) Dec: -00 00 29.39 (-.00816d) Equinox: J2000		Proper Motion RA: 51.448 mas/yr Proper Motion Dec: -75.0309999602905 mas/yr Parallax: 0.0249973" Epoch of Position: 2000		V=13.941 +/-0.032		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=[DA, M V-IV]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	(STIS.ta.236 6667)	(3) V-UZ-SEX	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)			
									[==>]		[1]	
	2	(STIS.ta.236 6668)	(3) V-UZ-SEX	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)			
									[==>]		[1]	
	3	(STIS.sp.23 66669)	(3) V-UZ-SEX	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=77 5			1900 Secs (1812 Secs)			
									[==>1812.0 Secs]		[1]	
Orbit Structure	Orbit 1											Server Version: 20260618

Proposal 18409 - UX Sex Lya 000 (17) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, UX Sex Lya 000 (17), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 06-AUG-2026:00:00:00 AND 05-NOV-2026:00:00:00; BETWEEN 28-DEC-2026:00:00:00 AND 27-MAR-2027:00:00:00; BETWEEN 06-AUG-2027:00:00:00 AND 05-NOV-2027:00:00:00; BETWEEN 28-DEC-2027:00:00:00 AND 27-MAR-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	V-UZ-SEX	RA: 10 28 34.8777 (157.1453237d) Dec: -00 00 29.39 (-.00816d) Equinox: J2000	Proper Motion RA: 51.448 mas/yr Proper Motion Dec: -75.0309999602905 mas/yr Parallax: 0.0249973" Epoch of Position: 2000	V=13.941 +/-0.032	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6667)	(3) V-UZ-SEX	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6668)	(3) V-UZ-SEX	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63306)	(3) V-UZ-SEX	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=79 34	PHASE 0.95 TO 0.0 5		1500 Secs (1404 Secs)			
								[==>1404.0 Secs]	[1]		
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - UZ Sex Lya 025 (08) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, UZ Sex Lya 025 (08), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 06-AUG-2026:00:00:00 AND 05-NOV-2026:00:00:00; BETWEEN 28-DEC-2026:00:00:00 AND 27-MAR-2027:00:00:00; BETWEEN 06-AUG-2027:00:00:00 AND 05-NOV-2027:00:00:00; BETWEEN 28-DEC-2027:00:00:00 AND 27-MAR-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	V-UZ-SEX	RA: 10 28 34.8777 (157.1453237d) Dec: -00 00 29.39 (-.00816d) Equinox: J2000	Proper Motion RA: 51.448 mas/yr Proper Motion Dec: -75.0309999602905 mas/yr Parallax: 0.0249973" Epoch of Position: 2000	V=13.941 +/-0.032	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=[DA, M V-IV]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6667)	(3) V-UZ-SEX	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6668)	(3) V-UZ-SEX	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63306)	(3) V-UZ-SEX	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=79 34	PHASE 0.2 TO 0.3		1400 Secs (1400 Secs)			
									[==>]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - UZ Sex Lya 050 (09) - New Lyman alpha reconstruction routines and the observations required to test them

Visit

Proposal 18409, UZ Sex Lya 050 (09), implementation

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: BETWEEN 06-AUG-2026:00:00:00 AND 05-NOV-2026:00:00:00; BETWEEN 28-DEC-2026:00:00:00 AND 27-MAR-2027:00:00:00; BETWEEN 06-AUG-2027:00:00:00 AND 05-NOV-2027:00:00:00; BETWEEN 28-DEC-2027:00:00:00 AND 27-MAR-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	V-UZ-SEX	RA: 10 28 34.8777 (157.1453237d) Dec: -00 00 29.39 (-.00816d) Equinox: J2000	Proper Motion RA: 51.448 mas/yr Proper Motion Dec: -75.0309999602905 mas/yr Parallax: 0.0249973" Epoch of Position: 2000	V=13.941 +/-0.032	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=[DA, M V-IV]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.236 6667)	(3) V-UZ-SEX	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs) [==>]	[1]
2	(STIS.ta.236 6668)	(3) V-UZ-SEX	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs) [==>]	[1]
3	(STIS.sp.19 63306)	(3) V-UZ-SEX	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=79 34	PHASE 0.45 TO 0.5 5		1400 Secs (1400 Secs) [==>]	[1]

Orbit Structure

Orbit 1

Server Version: 20260618

The timeline for Orbit 1 shows the following sequence of events and durations:

- GS Acq: Initial acquisition phase.
- Exp. 1: First exposure, indicated by a blue hatched bar.
- Pointing Maneuver: Transition period between exposures.
- Exp. 2: Second exposure, indicated by a blue hatched bar.
- Pointing Maneuver: Transition period between exposures.
- Home: Alignment phase.
- Exp. 3 (Auto-WAVECAL): Third exposure, indicated by a green solid bar.
- Exp. 3: A second instance of the third exposure, indicated by a green solid bar with a double-headed arrow.
- Unused Orbital Visibility = 4: Period of unused visibility, indicated by a blue checkered bar.
- Occultation: Period of occultation, indicated by a black solid bar.
- Home: Final alignment phase.

The x-axis represents time in seconds, ranging from 0 to 6000.

Proposal 18409 - UZ Sex Lya 075 (10) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, UZ Sex Lya 075 (10), implementation										Mon Aug 31 22:00:31 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
Special Requirements: BETWEEN 06-AUG-2026:00:00:00 AND 05-NOV-2026:00:00:00; BETWEEN 28-DEC-2026:00:00:00 AND 27-MAR-2027:00:00:00; BETWEEN 06-AUG-2027:00:00:00 AND 05-NOV-2027:00:00:00; BETWEEN 28-DEC-2027:00:00:00 AND 27-MAR-2028:00:00:00; Period 0.364 D AND ZERO-PHASE HJD2452784.553											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	V-UZ-SEX	RA: 10 28 34.8777 (157.1453237d) Dec: -00 00 29.39 (-.00816d) Equinox: J2000	Proper Motion RA: 51.448 mas/yr Proper Motion Dec: -75.0309999602905 mas/yr Parallax: 0.0249973" Epoch of Position: 2000	V=13.941 +/-0.032	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=[DA, M V-IV]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(STIS.ta.236 6667)	(3) V-UZ-SEX	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
	2	(STIS.ta.236 6668)	(3) V-UZ-SEX	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)		
									[==>]	[1]	
3	(STIS.sp.19 63306)	(3) V-UZ-SEX	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=79 34	PHASE 0.7 TO 0.8		1400 Secs (1400 Secs)			
									[==>]	[1]	
Orbit Structure	Orbit 1 Server Version: 20260618										

Proposal 18409 - EG UMA NUV (11) - New Lyman alpha reconstruction routines and the observations required to test them

Visit	Proposal 18409, EG UMA NUV (11), implementation										Mon Aug 31 22:00:31 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	V-EG-UMA	RA: 12 15 44.0979 (183.9337412d) Dec: +52 31 1.29 (52.51702d) Equinox: J2000		Proper Motion RA: -90.422 mas/yr Proper Motion Dec: -131.94000009661977 mas/yr Parallax: 0.0349494" Epoch of Position: 2000		V=13.23		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=[DA, M V-IV]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	(STIS.ta.236 0356)	(1) V-EG-UMA	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)			
									[==>]		[1]	
	2	(STIS.ta.236 0357)	(1) V-EG-UMA	STIS/CCD, ACQ/PEAK, 52X0.1	MIRROR				1 Secs (1 Secs)			
									[==>]		[1]	
	3	(STIS.sp.23 60331)	(1) V-EG-UMA	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=17 33			1900 Secs (1859 Secs)			
									[==>1859.0 Secs]		[1]	
Orbit Structure	Orbit 1											Server Version: 20260618