17915 - Completing the HST+Gaia Reference Sample to Optimize the Measurement of the Hubble Constant

Cycle: 32, Proposal Category: GO

(Availability Mode: AVAILABLE)

INVESTIGATORS

Name	*Institution*
Dr. Adam Riess (PI) (Contact)	**The Johns Hopkins University**
Dr. Stefano Casertano (CoI)	Space Telescope Science Institute
Dr. Louise Breuval (CoI) (ESA Member)	Space Telescope Science Institute - ESA
Dr. Lucas M. Macri (CoI)	University of Texas Rio Grande Valley
Dr. Wenlong Yuan (CoI)	The Johns Hopkins University
Dr. Javier Horacio Minniti (CoI)	The Johns Hopkins University

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) V-AE-VEL	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:36.0	yes
02	(2) V-AY-CEN	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:38.0	yes
03	(3) V-BR-VUL	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:39.0	yes
04	(7) V-FR-CAR	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:40.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(8) V-GH-LUP	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:42.0	yes
06	(9) V-IO-CAR	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:43.0	yes
29	(9) V-IO-CAR	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:45.0	yes
07	(10) V-IQ-NOR	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:46.0	yes
08	(11) V-LL-PUP	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:47.0	yes
09	(12) V-LS-PUP	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:49.0	yes
10	(13) V-SV-MON	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:50.0	yes
11	(14) V-T-ANT	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:52.0	yes
51	(14) V-T-ANT	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:53.0	yes
19	(23) V-V1344-AQL	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:54.0	yes
12	(15) V-T-CRU	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:55.0	yes
13	(16) V-UZ-CAR	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:56.0	yes
14	(18) V-V381-CEN	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:58.0	yes
15	(19) V-V495-CYG	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:00:59.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
16	(20) V-V600-AQL	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:01.0	yes
17	(21) V-V637-AUR	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:02.0	yes
18	(22) V-V1162-AQL	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:03.0	yes
20	(24) V-VW-CRU	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:05.0	yes
21	(25) V-WY-PUP	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:06.0	yes
22	(26) V-XX-CEN	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:08.0	yes
23	(27) V-XX-MON	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:09.0	yes
24	(28) V-XX-VEL	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:10.0	yes
25	(29) V-AY-SGR	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:11.0	yes
28	(30) SV-HV-2827	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:13.0	yes
27	(31) SV-HV-5497	WFC3/IR WFC3/UVIS	1	02-Mar-2026 15:01:14.0	yes

29 Total Orbits Used

ABSTRACT

The Hubble tension, a >5 sigma discrepancy between the measured and cosmologically-predicted value of the Hubble constant (H0), is one of the most exciting developments in cosmology in decades. Having withstood scrunity and crosschecks, it is a clue we must now pursue with maximum signal-to-noise while establishing a route to future improvements. The leading determination of H0 relies on photometric observations collected over

10 years and 5 WFC3-IR programs of Milky Way Cepheids geometrically calibrated by parallaxes from Gaia. These are used to calibrate Cepheids in the hosts of 42 local SN Ia, canceling zeropoint errors through consistent use of WFC3-IR. The best MW Cepheids for this purpose have good Gaia parallax solutions (i.e., non-binaries), high parallax SNR (>10), are unsaturated in Gaia (G>6 mag), have low reddening (V-I < 2) and long periods (P>5 days), a modest-sized sample of 115 objects. In this last opportunity to use WFC3-IR, we propose two goals to both optimize the HST measurement of H0 now and simultaneously calibrate the developing effort from JWST: (1) Complete the sample of ``high-leverage'' MW Cepheid calibrators by observing the last 25 with WFC3-IR, (2) obtain WFC3-IR NIR grism spectrophotometry of these MW Cepheids at 0.8-1.7 microns to synthesize their magnitudes in the JWST filter system (F090W,F115W,F150W) to empirically calibrate JWST's developing distance ladder. This data will optimize the measurement of H0 from Gaia now and in future releases. Collecting these observations will lay a cornerstone for a 1% determination of H0 and continue to steadily advance our knowledge of what appears to be a new feature in the cosmological model.

OBSERVING DESCRIPTION

tbd

Visit

Proposal 17915, AE-VEL (01), completed Mon Mar 02 20:01:15 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(AE-VEL (01)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	V-AE-VEL	RA: 09 36 51.4664 (144.2144433d)	Proper Motion RA: -5.137 mas/yr	V=10.4	Reference Frame: ICRS
		Dec: -53 01 58.07 (-53.03280d)	Proper Motion Dec: 4.069 mas/yr		
		Equinox: J2000	Parallax: 3.531E-4"		
			Epoch of Position: 2000		

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=[CEPHEID]

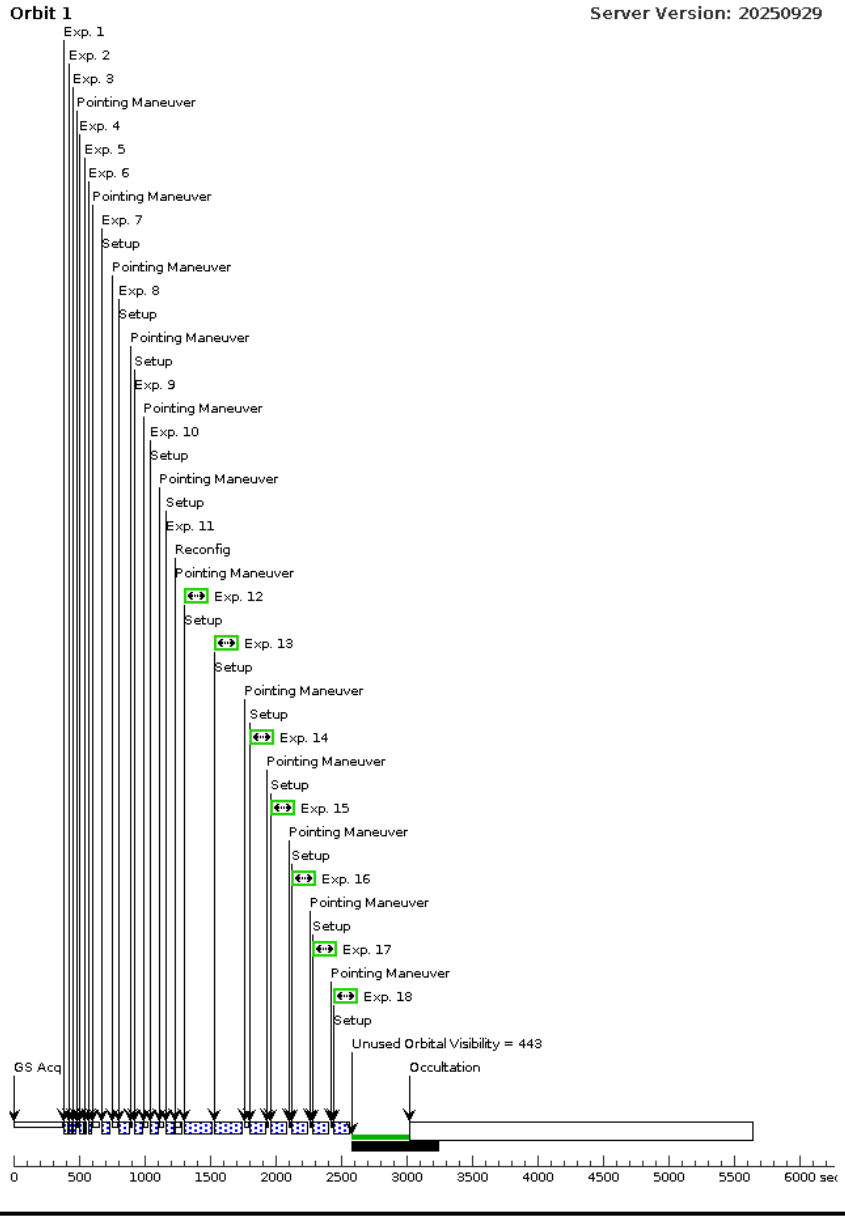
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(1) V-AE-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(1) V-AE-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(1) V-AE-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(1) V-AE-VEL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(1) V-AE-VEL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(1) V-AE-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(1) V-AE-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(1) V-AE-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(1) V-AE-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(1) V-AE-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AE-VEL (01) Same Guide Stars in Sequence 1-18 Non-Int in AE-VEL (01)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, AY-CEN (02), completed Mon Mar 02 20:01:15 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(AY-CEN (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(AY-CEN (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(AY-CEN (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-AY-CEN	RA: 11 25 5.7551 (171.2739796d) Dec: -60 44 4.64 (-60.73462d) Equinox: J2000	Proper Motion RA: -6.688 mas/yr Proper Motion Dec: 2.091 mas/yr Parallax: 5.610000000000001E-4" Epoch of Position: 2000	V=8.81	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=[CEPHEID]

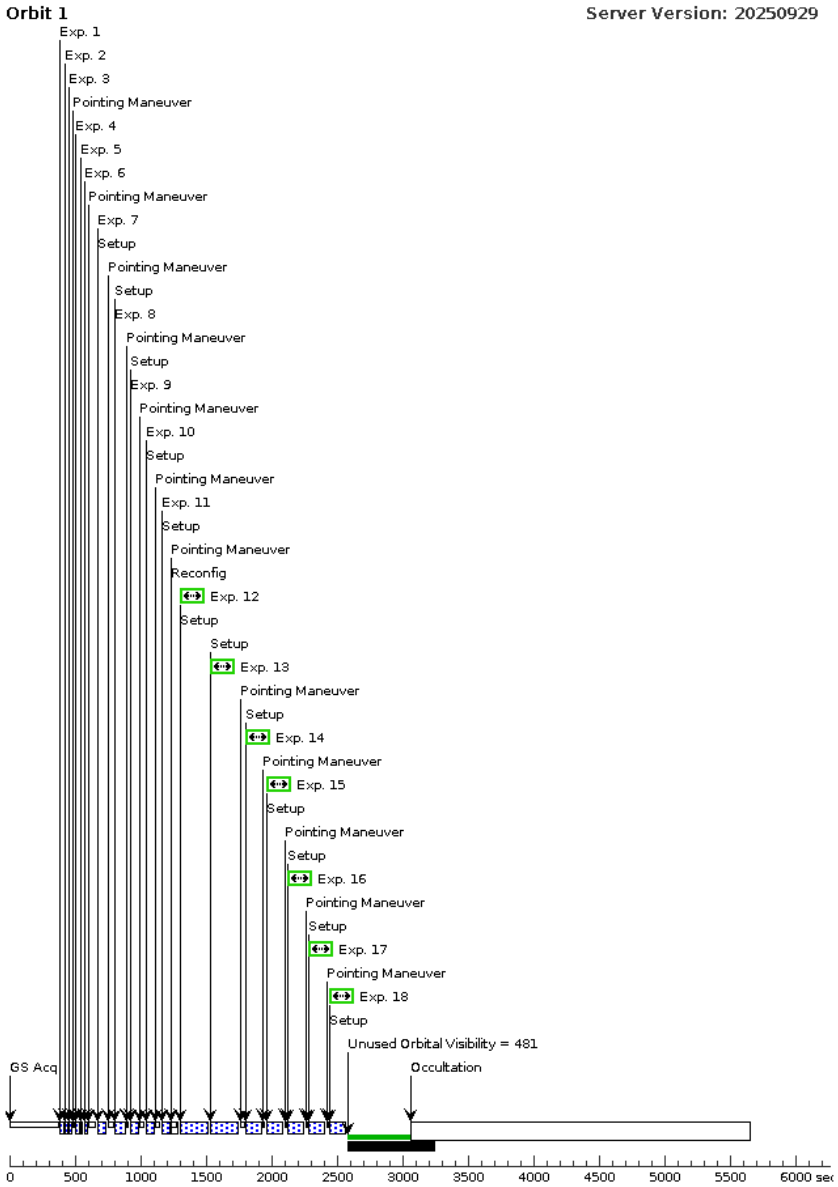
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(2) V-AY-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(2) V-AY-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(2) V-AY-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(2) V-AY-CEN	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(2) V-AY-CEN	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(2) V-AY-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(2) V-AY-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(2) V-AY-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(2) V-AY-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(2) V-AY-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-CEN (02) Same Guide Stars in Sequence 1-18 Non-Int in AY-CEN (02)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, BR-VUL (03), completed Mon Mar 02 20:01:15 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(BR-VUL (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(BR-VUL (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(BR-VUL (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(BR-VUL (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	V-BR-VUL	RA: 19 46 35.1881 (296.6466171d) Dec: +22 53 23.21 (22.88978d) Equinox: J2000	Proper Motion RA: -3.518 mas/yr Proper Motion Dec: -6.371000085891865 mas/yr Parallax: 4.137E-4" Epoch of Position: 2000	V=10.65	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=[CEPHEID]

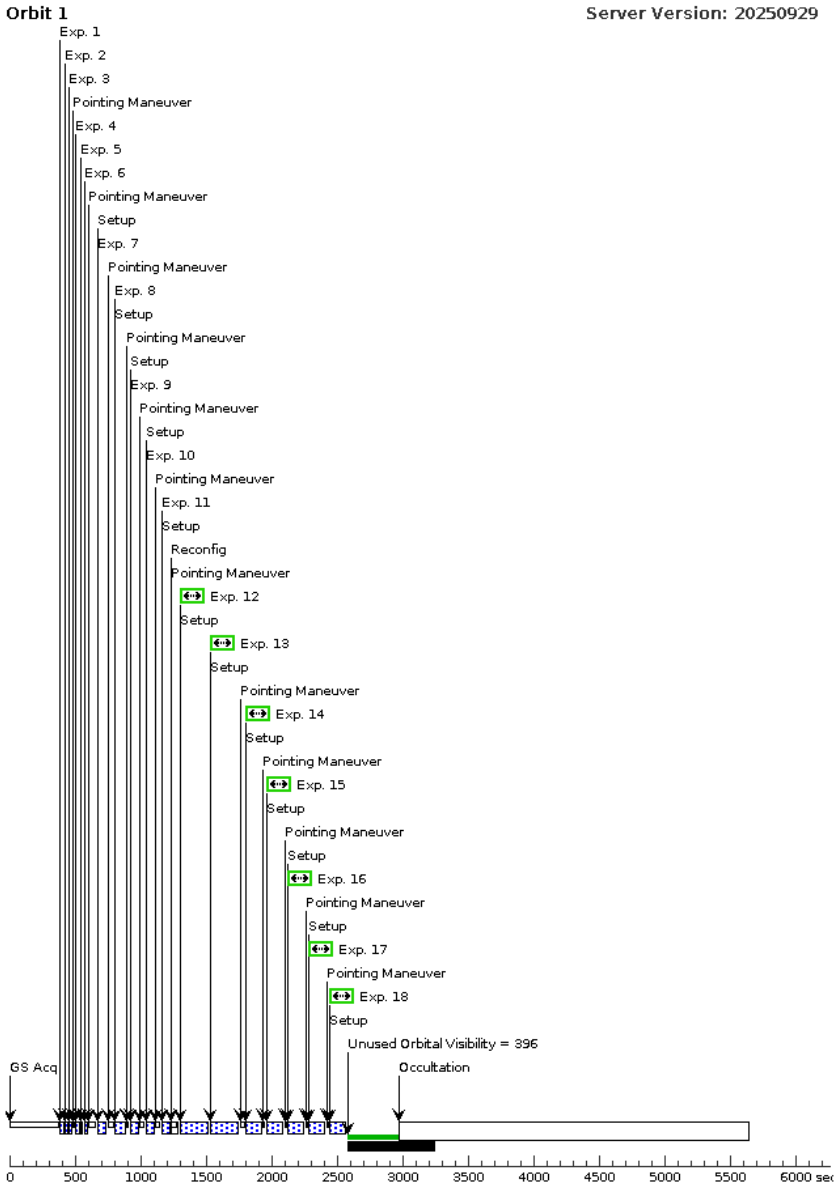
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(3) V-BR-VUL	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(3) V-BR-VUL	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(3) V-BR-VUL	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(3) V-BR-VUL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(3) V-BR-VUL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(3) V-BR-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(3) V-BR-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(3) V-BR-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(3) V-BR-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(3) V-BR-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; NEW OBSET; OBSET ID WA; EXP PCS MODE FINE	Sequence 1-18 Non-Int in BR-VUL (03) Same Guide Stars in Sequence 1-18 Non-Int in BR-VUL (03)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, FR-CAR (04), completed Mon Mar 02 20:01:15 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(FR-CAR (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(FR-CAR (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(FR-CAR (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(FR-CAR (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	V-FR-CAR	RA: 11 14 21.2160 (168.5884000d) Dec: -60 03 10.53 (-60.05293d) Equinox: J2000	Proper Motion RA: -4.639 mas/yr Proper Motion Dec: 1.609 mas/yr Parallax: 3.227E-4" Epoch of Position: 2000	V=9.64	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=[CEPHEID]

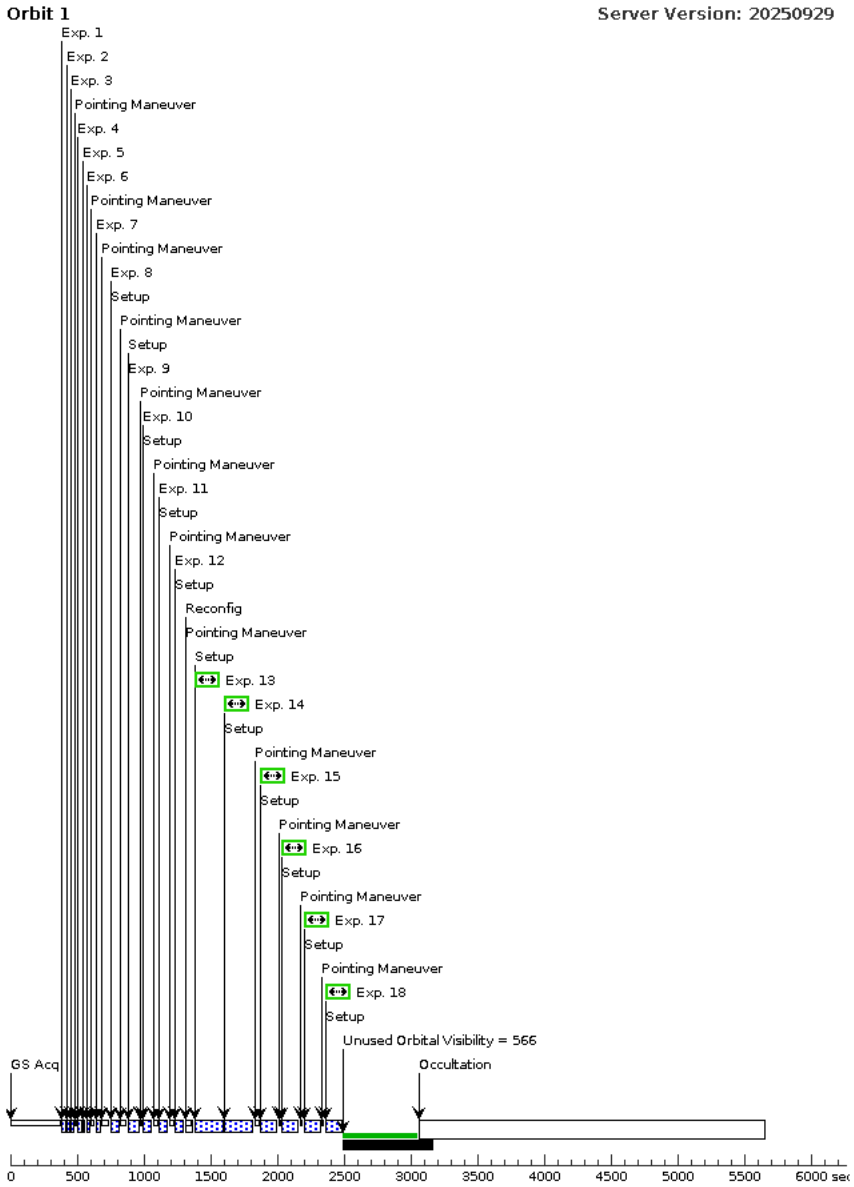
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=5	NEW OBSET; OBSET ID Y4; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	4.265135 Secs (4.265 Secs) *[==>]*	*[1]*
Comments: staring mode									
8		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
9		(7) V-FR-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									

10	(7) V-FR-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(7) V-FR-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(7) V-FR-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
13	(7) V-FR-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
14	(7) V-FR-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
15	(7) V-FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
16	(7) V-FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

	17	(7) V-FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	2.0 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: scan, keep Cepheid within frame,reverse								
	18	(7) V-FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in FR-CAR (04) Same Guide Stars in Sequence 1-18 Non-Int in FR-CAR (04)	2.0 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: scan, keep Cepheid within frame								

Orbit Structure



Visit

Proposal 17915, GH-LUP (05), completed Mon Mar 02 20:01:15 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(GH-LUP (05)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	V-GH-LUP	RA: 15 24 38.3402 (231.1597508d) Dec: -52 51 13.90 (-52.85386d) Equinox: J2000	Proper Motion RA: -1.337 mas/yr Proper Motion Dec: -2.2020000415068353 mas/yr Parallax: 8.408E-4" Epoch of Position: 2000	V=7.83	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=[CEPHEID]

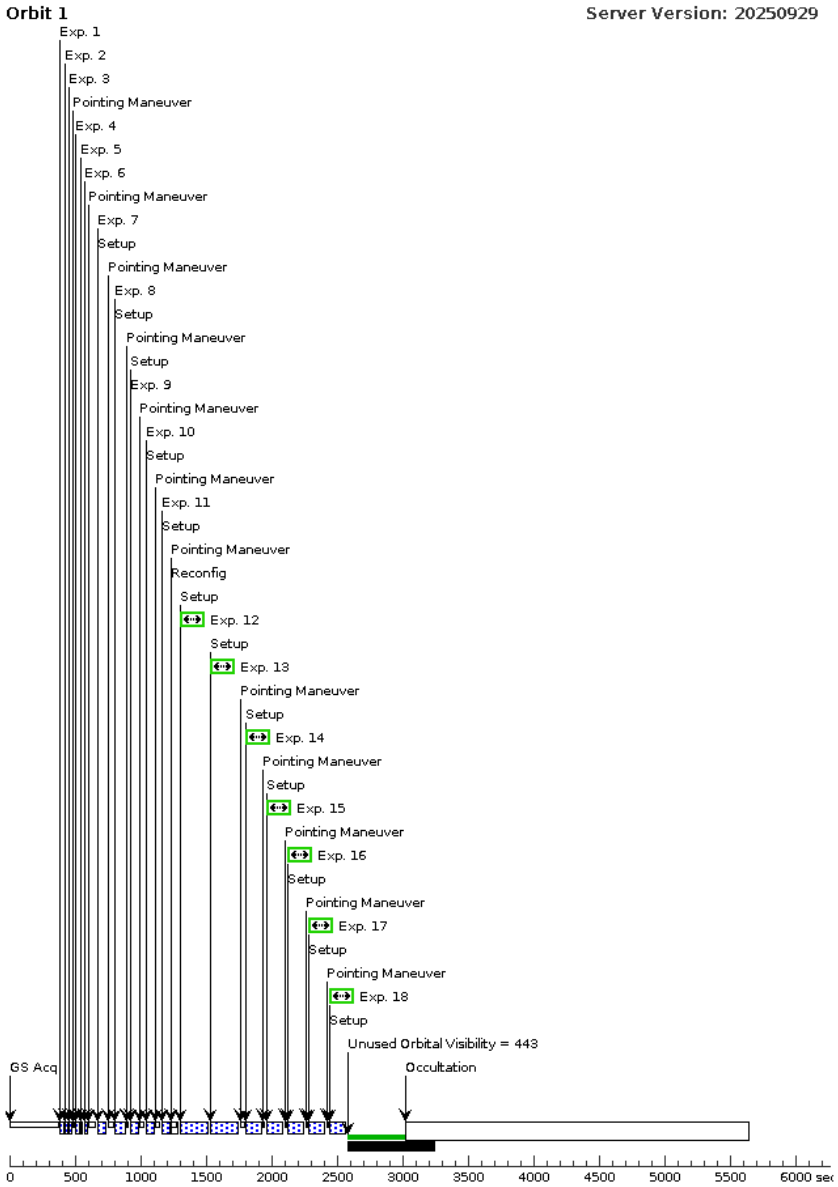
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(8) V-GH-LUP	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(8) V-GH-LUP	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(8) V-GH-LUP	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(8) V-GH-LUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(8) V-GH-LUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(8) V-GH-LUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(8) V-GH-LUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(8) V-GH-LUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(8) V-GH-LUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	2.0 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(8) V-GH-LUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in GH-LUP (05) Same Guide Stars in Sequence 1-18 Non-Int in GH-LUP (05)	2.0 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, IO-CAR (06), failed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(IO-CAR (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(IO-CAR (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(IO-CAR (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	V-IO-CAR	RA: 10 56 26.2189 (164.1092454d)	Proper Motion RA: -5.771 mas/yr	V=11.038	Reference Frame: ICRS
		Dec: -60 43 57.67 (-60.73269d)	Proper Motion Dec: 2.234 mas/yr		
		Equinox: J2000	Parallax: 1.702E-4"		
			Epoch of Position: 2000		

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=[CEPHEID]

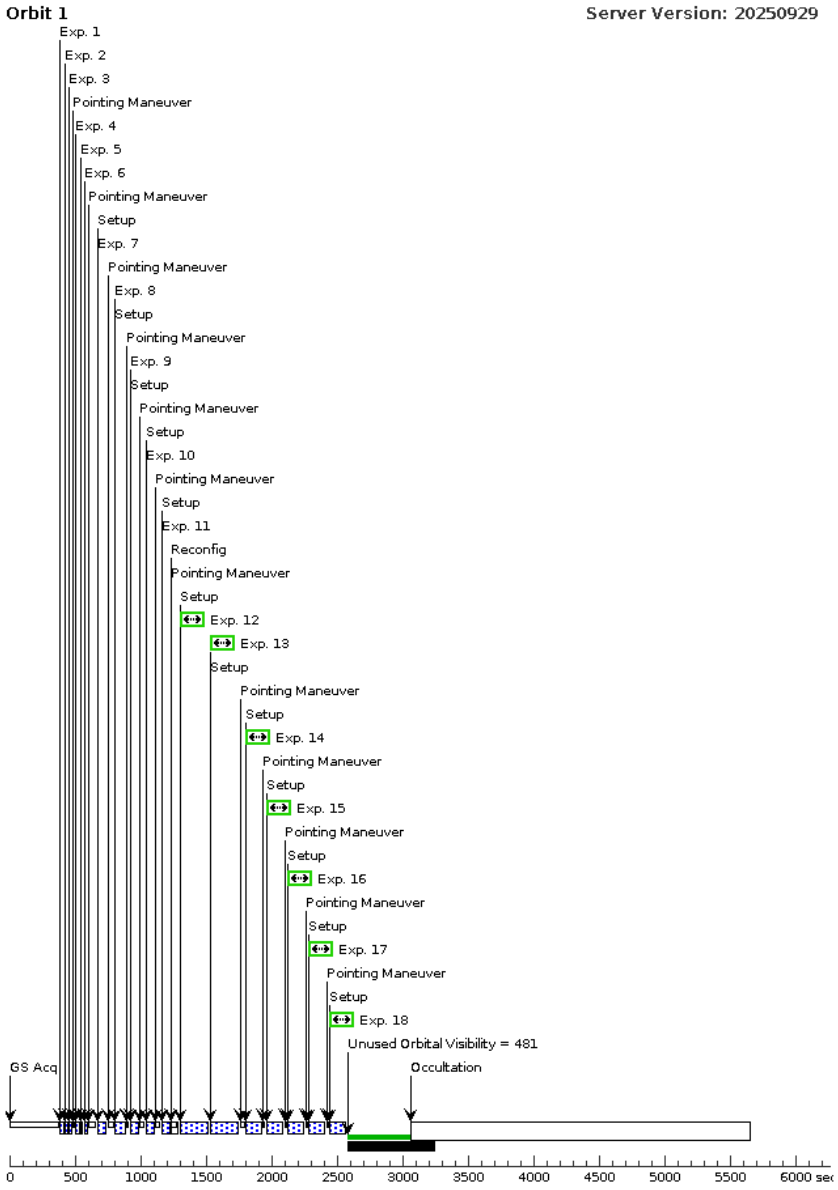
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (06) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (06)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, IO-CAR (29), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Comments: HOPR repeat of visit 06

Diagnostics

(IO-CAR (29)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(IO-CAR (29)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(IO-CAR (29)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	V-IO-CAR	RA: 10 56 26.2189 (164.1092454d)	Proper Motion RA: -5.771 mas/yr	V=11.038	Reference Frame: ICRS
		Dec: -60 43 57.67 (-60.73269d)	Proper Motion Dec: 2.234 mas/yr		
		Equinox: J2000	Parallax: 1.702E-4"		
			Epoch of Position: 2000		

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=[CEPHEID]

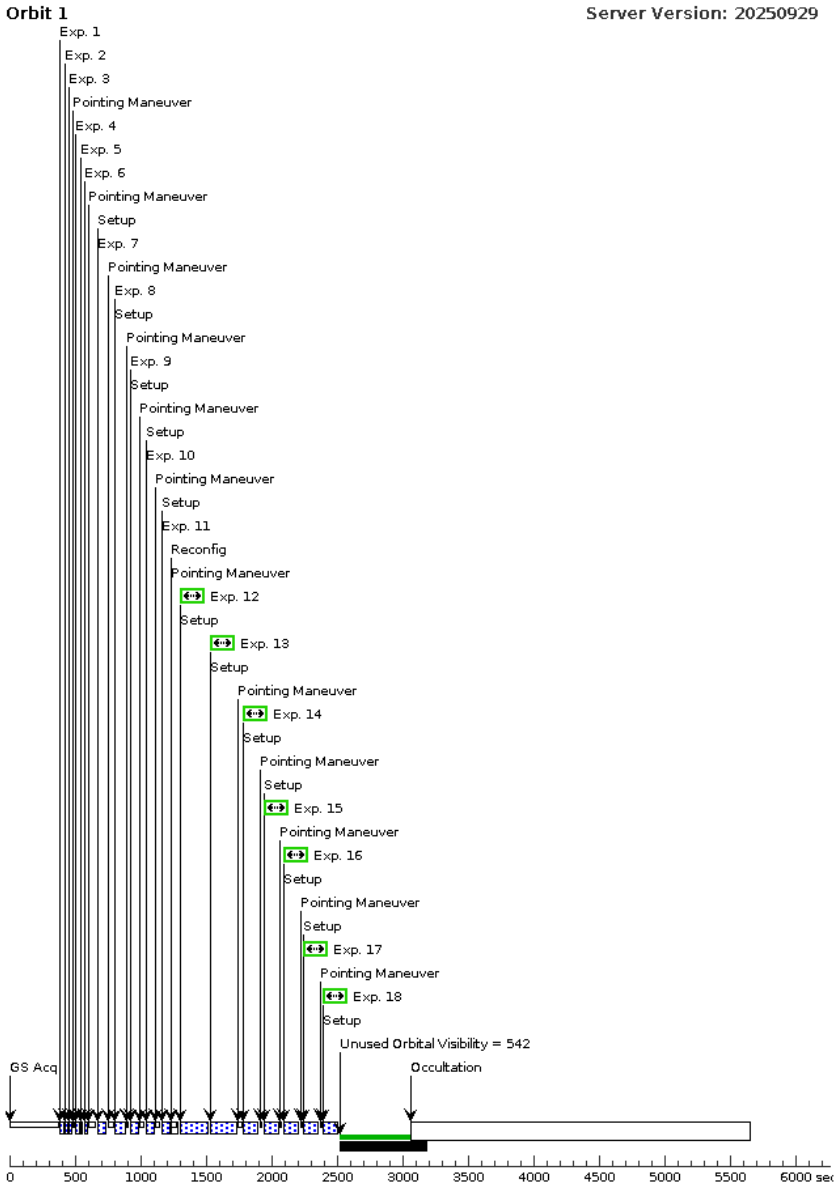
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; NEW OBSET; OBSET ID X8; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(9) V-IO-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

15	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(9) V-IO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IO-CAR (29) Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in IO-CAR (29)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, IQ-NOR (07), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(IQ-NOR (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(IQ-NOR (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(IQ-NOR (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(IQ-NOR (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(IQ-NOR (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(IQ-NOR (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	V-IQ-NOR	RA: 15 12 49.5175 (228.2063229d) Dec: -54 45 18.98 (-54.75527d) Equinox: J2000	Proper Motion RA: -0.897 mas/yr Proper Motion Dec: -1.8209999780083308 mas/yr Parallax: 5.092E-4" Epoch of Position: 2000	V=9.71	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=[CEPHEID]

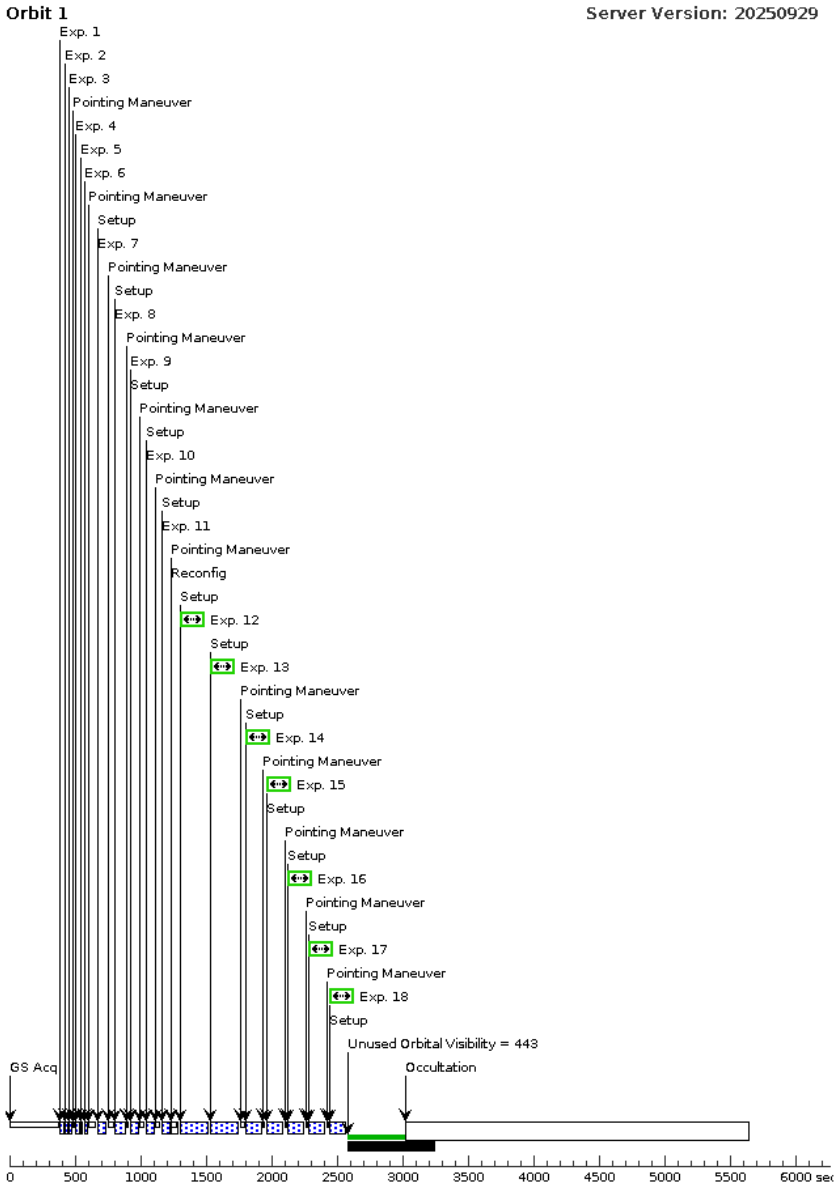
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(10) V-IQ-NOR	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(10) V-IQ-NOR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(10) V-IQ-NOR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(10) V-IQ-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(10) V-IQ-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(10) V-IQ-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(10) V-IQ-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(10) V-IQ-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in IQ-NOR (07) Same Guide Stars in Sequence 1-18 Non-Int in IQ-NOR (07)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, LL-PUP (08), withdrawn Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: ON HOLD

On Hold Comments: remove for LMC guys

Diagnostics

(LL-PUP (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(LL-PUP (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(LL-PUP (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(LL-PUP (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	V-LL-PUP	RA: 07 53 48.7815 (118.4532562d) Dec: -30 27 37.16 (-30.46032d) Equinox: J2000	Proper Motion RA: -2.57 mas/yr Proper Motion Dec: 3.7179999999999995 mas/yr Parallax: 3.257E-4" Epoch of Position: 2000	V=11.32	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=[CEPHEID]

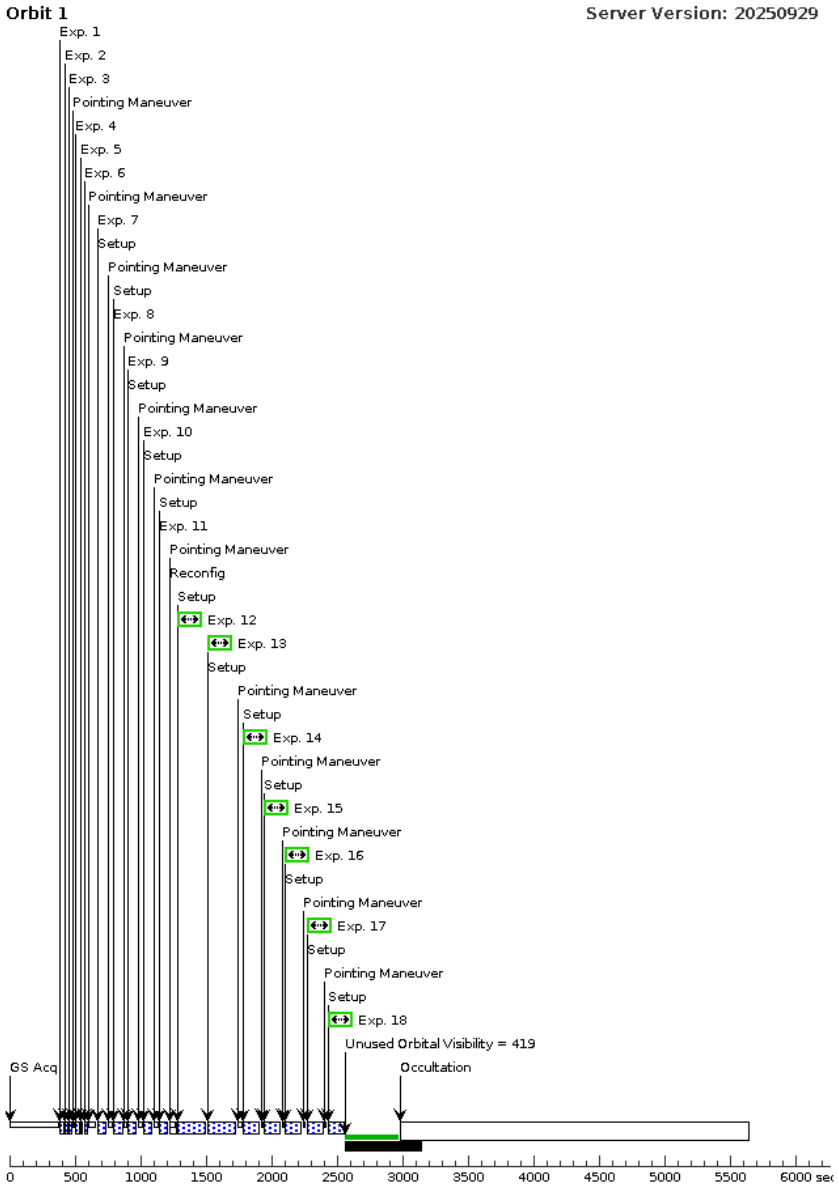
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID; NSAMP=13	POS TARG -5,-40; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	11.089351 Secs (11.089 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(11) V-LL-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(11) V-LL-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(11) V-LL-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(11) V-LL-PUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(11) V-LL-PUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(11) V-LL-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(11) V-LL-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(11) V-LL-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(11) V-LL-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(11) V-LL-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LL-PUP (08) Same Guide Stars in Sequence 1-18 Non-Int in LL-PUP (08)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, LS-PUP (09), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(LS-PUP (09)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(LS-PUP (09)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(LS-PUP (09)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(LS-PUP (09)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(LS-PUP (09)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(LS-PUP (09)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	V-LS-PUP	RA: 07 58 59.2197 (119.7467488d)	Proper Motion RA: -2.514 mas/yr	V=10.59	Reference Frame: ICRS
		Dec: -29 18 28.36 (-29.30788d)	Proper Motion Dec: 3.371 mas/yr		
		Equinox: J2000	Parallax: 1.9250000000000002E-4"		
			Epoch of Position: 2000		

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=[CEPHEID]

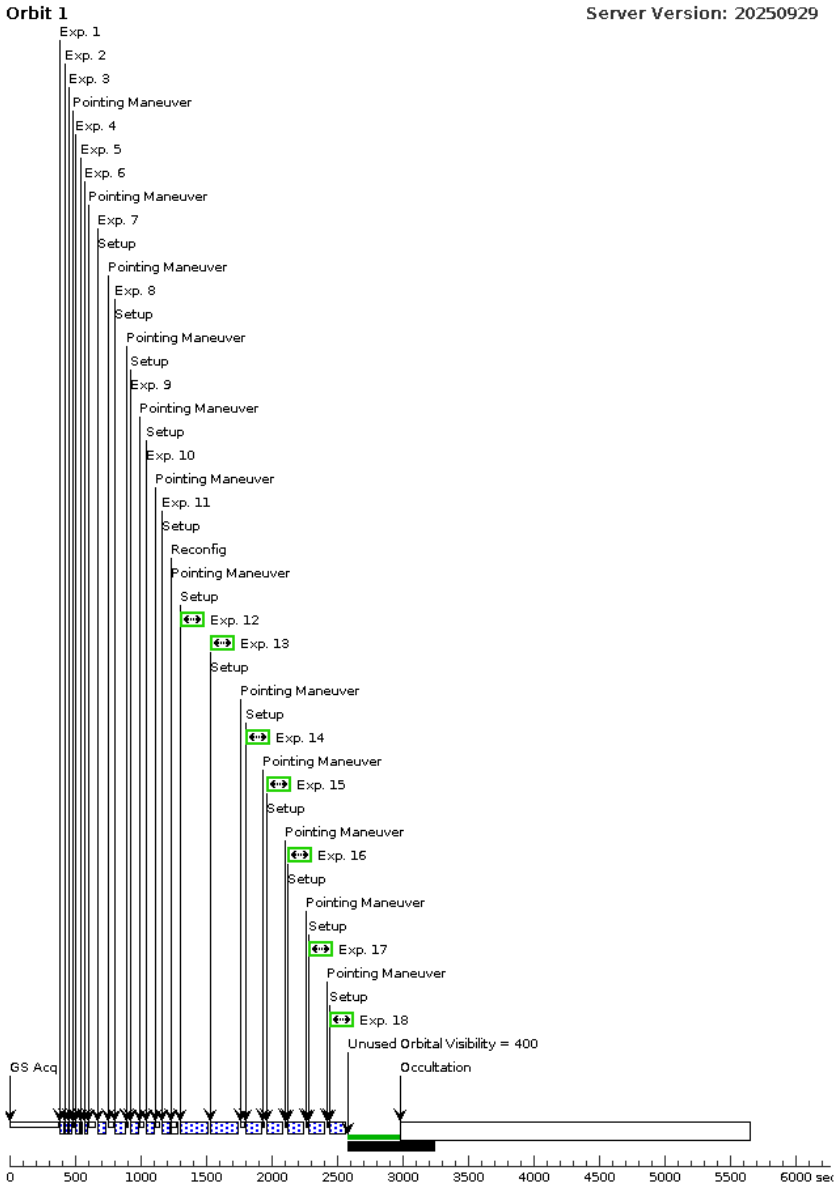
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(12) V-LS-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(12) V-LS-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(12) V-LS-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(12) V-LS-PUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(12) V-LS-PUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(12) V-LS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(12) V-LS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(12) V-LS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(12) V-LS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(12) V-LS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in LS-PUP (09) Same Guide Stars in Sequence 1-18 Non-Int in LS-PUP (09)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, SV-MON (10), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(SV-MON (10)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(SV-MON (10)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(SV-MON (10)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(SV-MON (10)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(SV-MON (10)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	V-SV-MON	RA: 06 21 26.3049 (95.3596037d) Dec: +06 28 12.58 (6.47016d) Equinox: J2000	Proper Motion RA: 0.745 mas/yr Proper Motion Dec: -1.8110000155502348 mas/yr Parallax: 4.324E-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=[CEPHEID]

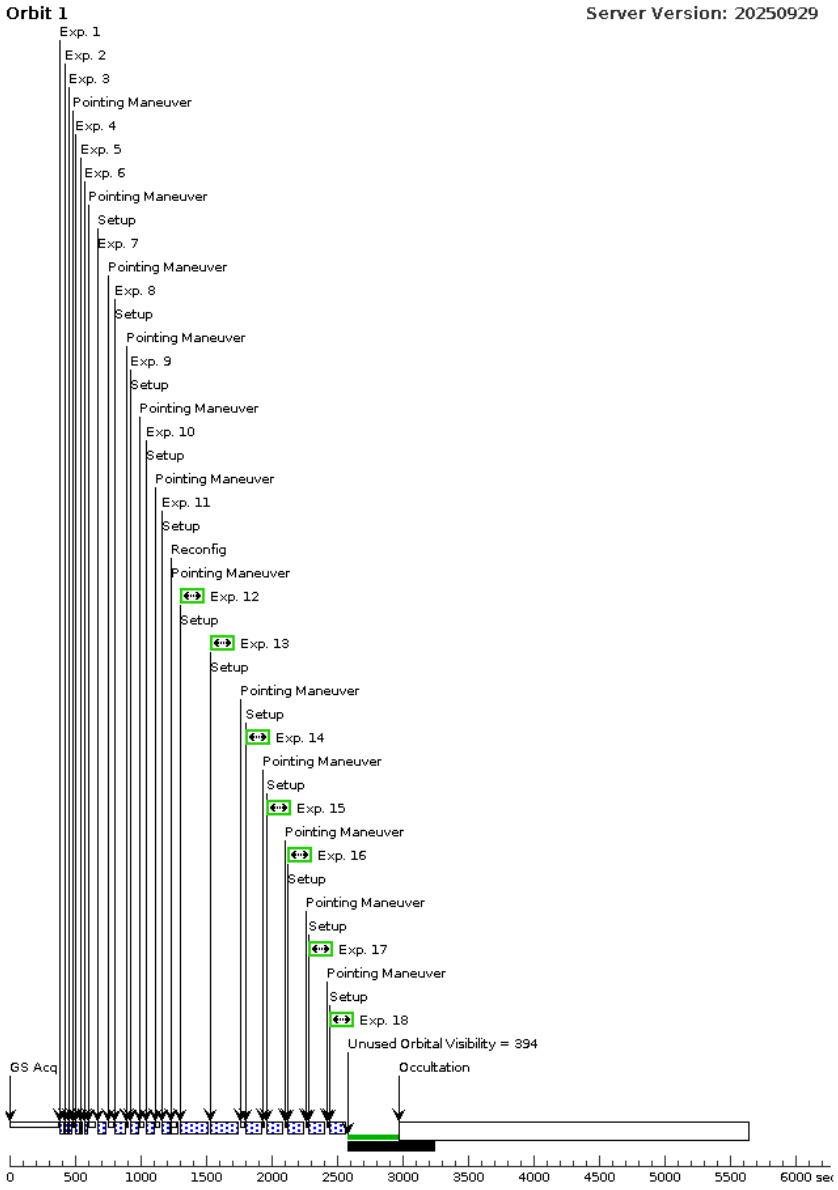
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(13) V-SV-MON	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(13) V-SV-MON	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(13) V-SV-MON	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(13) V-SV-MON	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(13) V-SV-MON	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(13) V-SV-MON	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(13) V-SV-MON	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(13) V-SV-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(13) V-SV-MON	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(13) V-SV-MON	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(13) V-SV-MON	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(13) V-SV-MON	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(13) V-SV-MON	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(13) V-SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(13) V-SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(13) V-SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

	17	(13) V-SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	2.0 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(13) V-SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in SV-MON (10) Same Guide Stars in Sequence 1-18 Non-Int in SV-MON (10)	2.0 Secs (2 Secs) *[==>]*	 ***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, T-ANT (11), failed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(T-ANT (11)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(T-ANT (11)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(T-ANT (11)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(T-ANT (11)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	V-T-ANT	RA: 09 33 50.8595 (143.4619146d)	Proper Motion RA: -6.952 mas/yr	V=9.26	Reference Frame: ICRS
		Dec: -36 36 56.75 (-36.61576d)	Proper Motion Dec: 6.074 mas/yr		
		Equinox: J2000	Parallax: 2.945E-4"		
			Epoch of Position: 2000		

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=[CEPHEID]

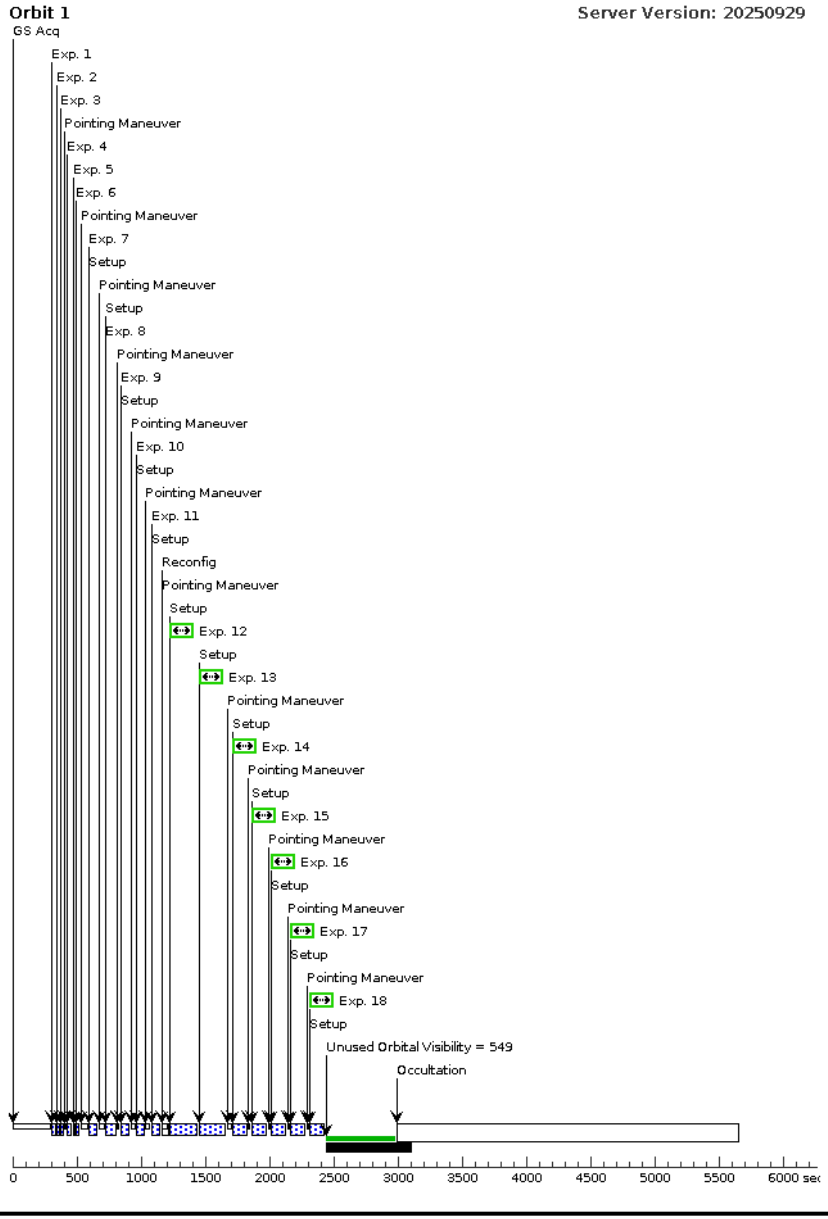
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6	GS ACQ SCENARIO ONEB1OR	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(14) V-T-ANT	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID Y1; EXP PCS MODE FINE; GS ACQ SCENARIO ONEB1OR	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									
8		(14) V-T-ANT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse									

9	(14) V-T-ANT	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(14) V-T-ANT	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(14) V-T-ANT	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-ANT (11) Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-ANT (11)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, T-ANT (51), implementation Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Comments: HOPR repeat of visit 11.

Diagnostics

(T-ANT (51)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(T-ANT (51)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(T-ANT (51)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(T-ANT (51)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	V-T-ANT	RA: 09 33 50.8595 (143.4619146d)	Proper Motion RA: -6.952 mas/yr	V=9.26	Reference Frame: ICRS
		Dec: -36 36 56.75 (-36.61576d)	Proper Motion Dec: 6.074 mas/yr		
		Equinox: J2000	Parallax: 2.945E-4"		
			Epoch of Position: 2000		

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=[CEPHEID]

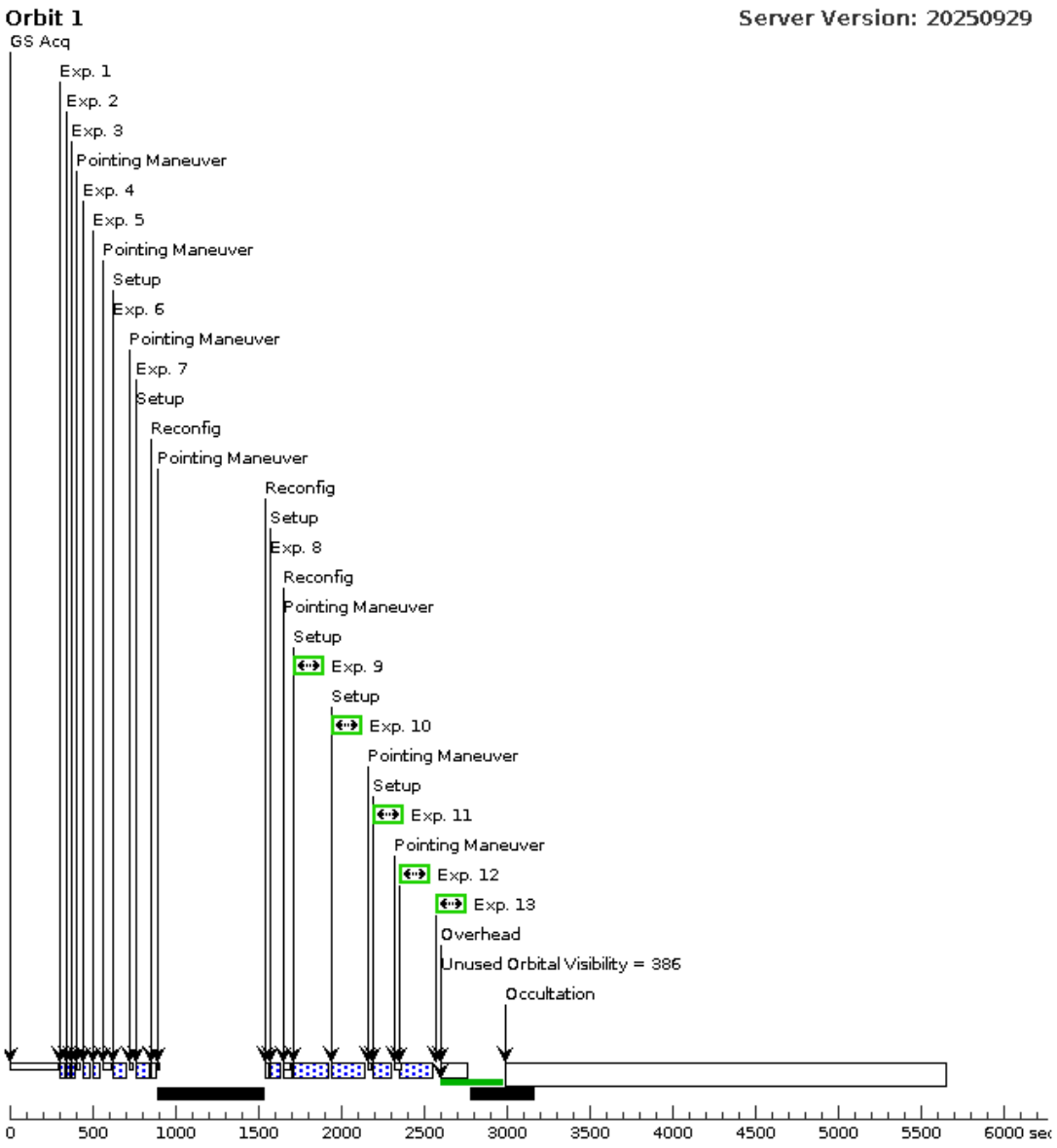
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6	GS ACQ SCENARIO ONEB1OR	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(14) V-T-ANT	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(14) V-T-ANT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=6	POS TARG 0.32,0.32	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	17.593746 Secs (17.594 Secs) *[==>]*	*[1]*
5		(14) V-T-ANT	WFC3/IR, MULTIACCUM, IR	F153M	SAMP-SEQ=RAPID; NSAMP=6	POS TARG 0.32,0.32	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	17.593746 Secs (17.594 Secs) *[==>]*	*[1]*
6		(14) V-T-ANT	WFC3/IR, MULTIACCUM, IR	F153M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID YA; EXP PCS MODE FINE; GS ACQ SCENARIO ONEB1OR	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	23.458328 Secs (23.458 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
7		(14) V-T-ANT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									

8	(14) V-T-ANT	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	5.118162 Secs (5.118 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
9	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
10	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
11	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
12	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 0,-0; EXP PCS MODE FINE	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	1.0 Secs (1 Secs) *[==>]*	***[1]***
Comments: direct image								

	13	(14) V-T-ANT	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 0,0; EXP PCS MODE FINE	Sequence 1-13 Non-Int in T-ANT (51) Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in T-ANT (51)	1.0 Secs (1 Secs) *[==>]*	***[1]***
	Comments: direct image								

Orbit Structure



Visit

Proposal 17915, V1344-AQL (19), implementation Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1344-AQL (19)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(23)	V-V1344-AQL	RA: 19 11 59.1731 (287.9965546d) Dec: +04 21 17.48 (4.35486d) Equinox: J2000	Proper Motion RA: -3.477 mas/yr Proper Motion Dec: -6.027999961588648 mas/yr Parallax: 0.0010683000000000001" Epoch of Position: 2000	V=7.78	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=[CEPHEID]

Exposures

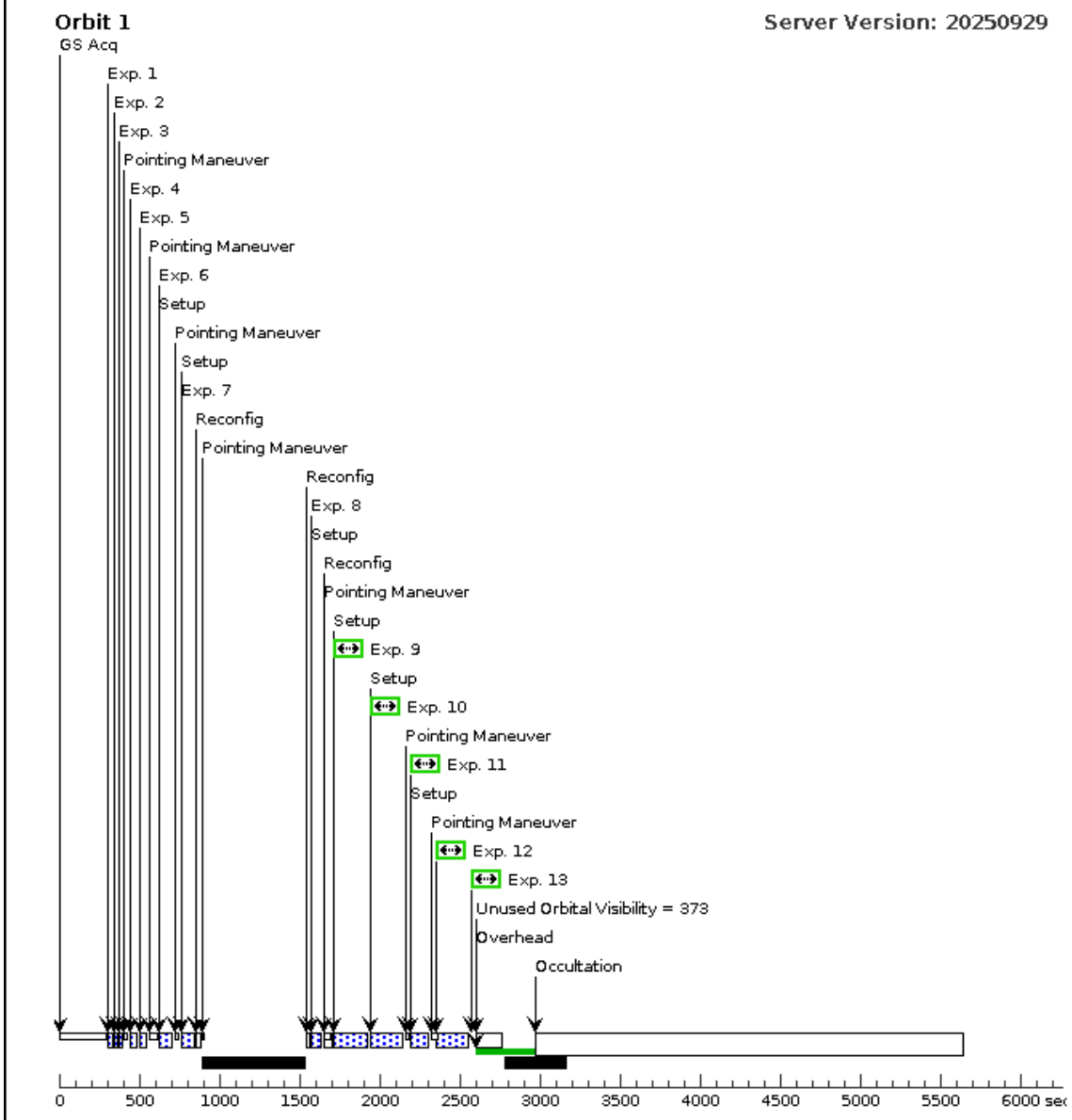
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6	GS ACQ SCENARIO ONEB1OR	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0.32,0.32	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	17.593746 Secs (17.594 Secs) *[==>]*	***[1]***
5		(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, IR	F153M	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0.32,0.32	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	17.593746 Secs (17.594 Secs) *[==>]*	***[1]***
6		(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, IR	F153M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID YC; EXP PCS MODE FINE; GS ACQ SCENARIO ONEB1OR	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	23.458328 Secs (23.458 Secs) *[==>]*	***[1]***

Comments: IR scan, Cepheid moves across field

7	(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse								
8	(23) V-V1344-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=6	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	5.118162 Secs (5.118 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
9	(23) V-V1344-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
10	(23) V-V1344-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

11	(23) V-V1344-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
12	(23) V-V1344-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 0,-0; EXP PCS MODE FINE	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	1.0 Secs (1 Secs) *[==>]*	***[1]***
Comments: direct image								
13	(23) V-V1344-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 0,0; EXP PCS MODE FINE	Sequence 1-13 Non-Int in V1344-AQL (19) Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19) Same Obset in Same Guide Stars in Sequence 1-13 Non-Int in V1344-AQL (19)	1.0 Secs (1 Secs) *[==>]*	***[1]***
Comments: direct image								

Orbit Structure



Visit

Proposal 17915, T-CRU (12), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(T-CRU (12)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(T-CRU (12)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(T-CRU (12)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(T-CRU (12)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(T-CRU (12)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	V-T-CRU	RA: 12 21 21.1281 (185.3380337d) Dec: -62 16 53.88 (-62.28163d) Equinox: J2000	Proper Motion RA: -10.915 mas/yr Proper Motion Dec: -0.47099993025767617 mas/yr Parallax: 0.0012105999999999998" Epoch of Position: 2000	V=6.57	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=[CEPHEID]

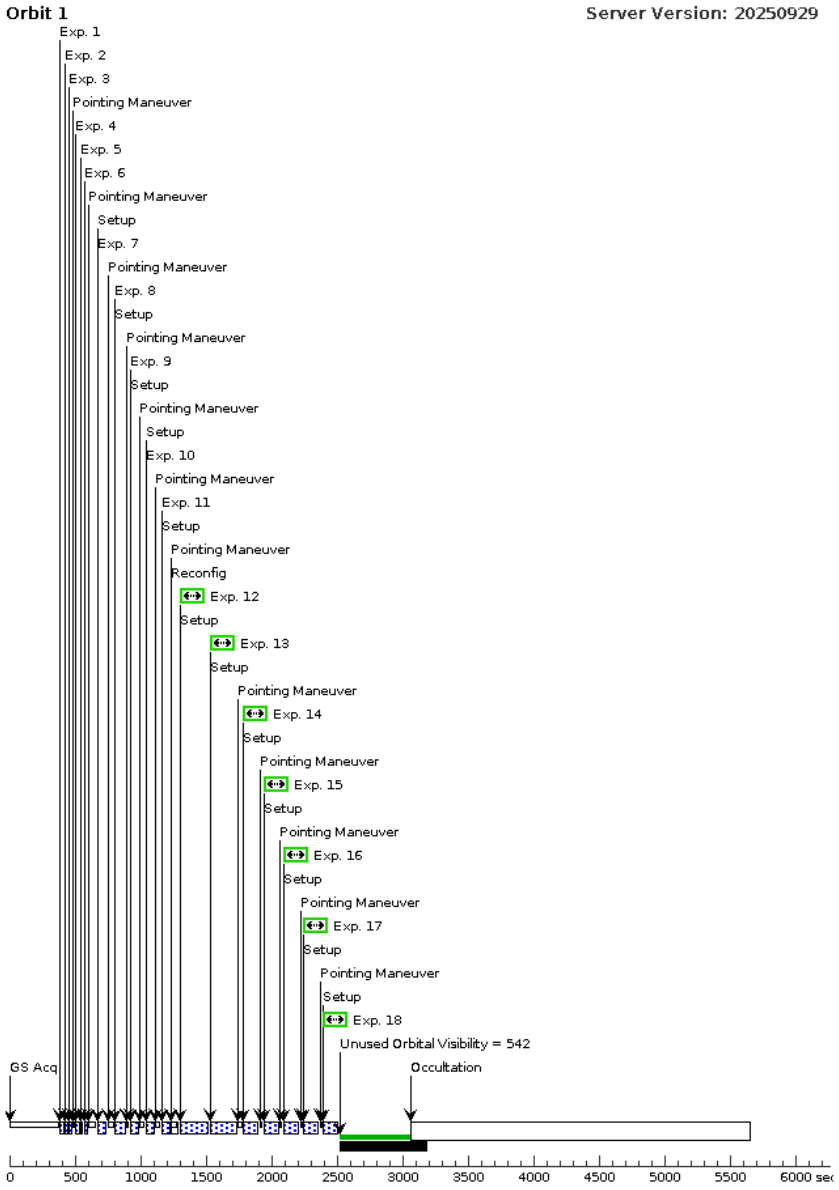
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(15) V-T-CRU	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(15) V-T-CRU	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(15) V-T-CRU	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(15) V-T-CRU	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(15) V-T-CRU	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(15) V-T-CRU	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(15) V-T-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID Y2; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									
8		(15) V-T-CRU	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse									

9	(15) V-T-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(15) V-T-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(15) V-T-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(15) V-T-CRU	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(15) V-T-CRU	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(15) V-T-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(15) V-T-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(15) V-T-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(15) V-T-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(15) V-T-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in T-CRU (12) Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in T-CRU (12)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, UZ-CAR (13), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(UZ-CAR (13)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(UZ-CAR (13)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(UZ-CAR (13)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	V-UZ-CAR	RA: 10 36 17.8234 (159.0742642d) Dec: -61 00 45.25 (-61.01257d) Equinox: J2000	Proper Motion RA: -6.175 mas/yr Proper Motion Dec: 2.839 mas/yr Parallax: 3.871E-4" Epoch of Position: 2000	V=9.38	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=[CEPHEID]

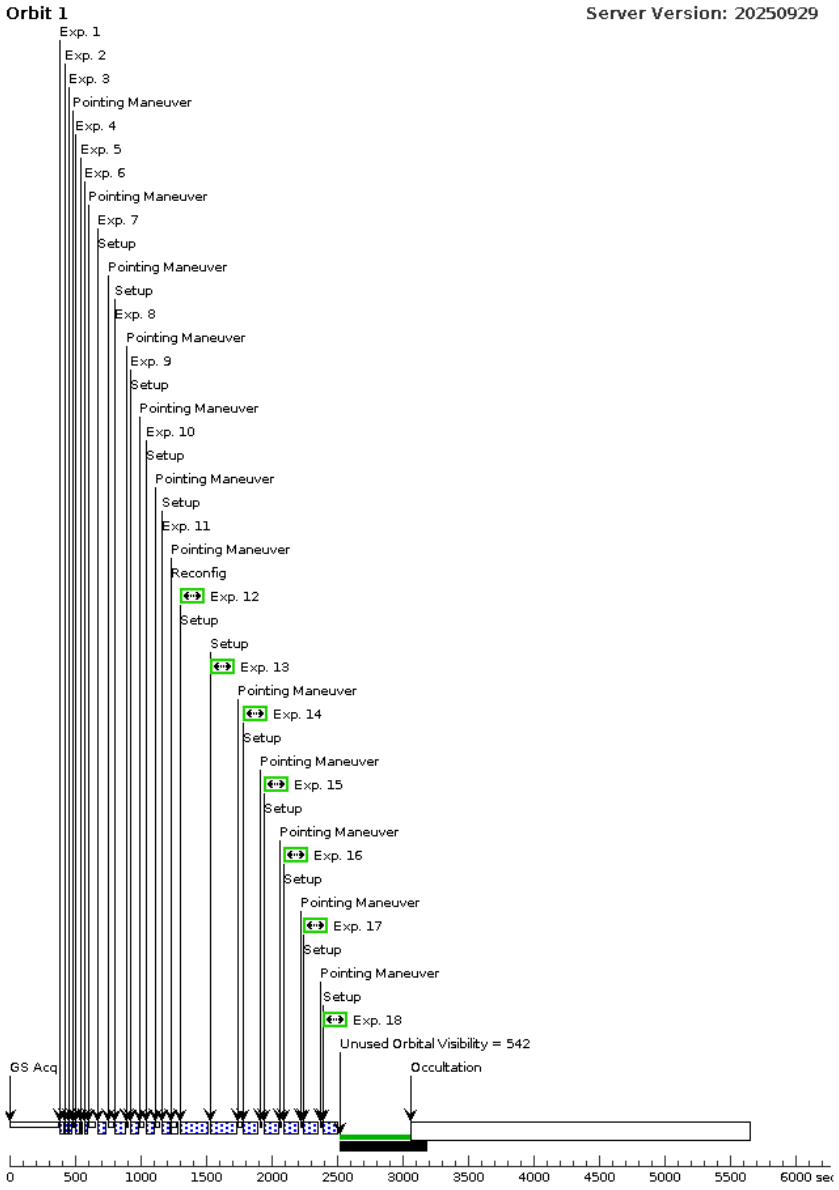
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID Y3; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									
8		(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse									

9	(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(16) V-UZ-CAR	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(16) V-UZ-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(16) V-UZ-CAR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(16) V-UZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(16) V-UZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(16) V-UZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(16) V-UZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(16) V-UZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in UZ-CAR (13) Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in UZ-CAR (13)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, V381-CEN (14), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(V381-CEN (14)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V381-CEN (14)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V381-CEN (14)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(V381-CEN (14)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V381-CEN (14)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	V-V381-CEN	RA: 13 50 44.2885 (207.6845354d) Dec: -57 34 49.81 (-57.58050d) Equinox: J2000	Proper Motion RA: -5.776 mas/yr Proper Motion Dec: -1.7260000277019572 mas/yr Parallax: 7.996E-4" Epoch of Position: 2000	V=7.69	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=[CEPHEID]

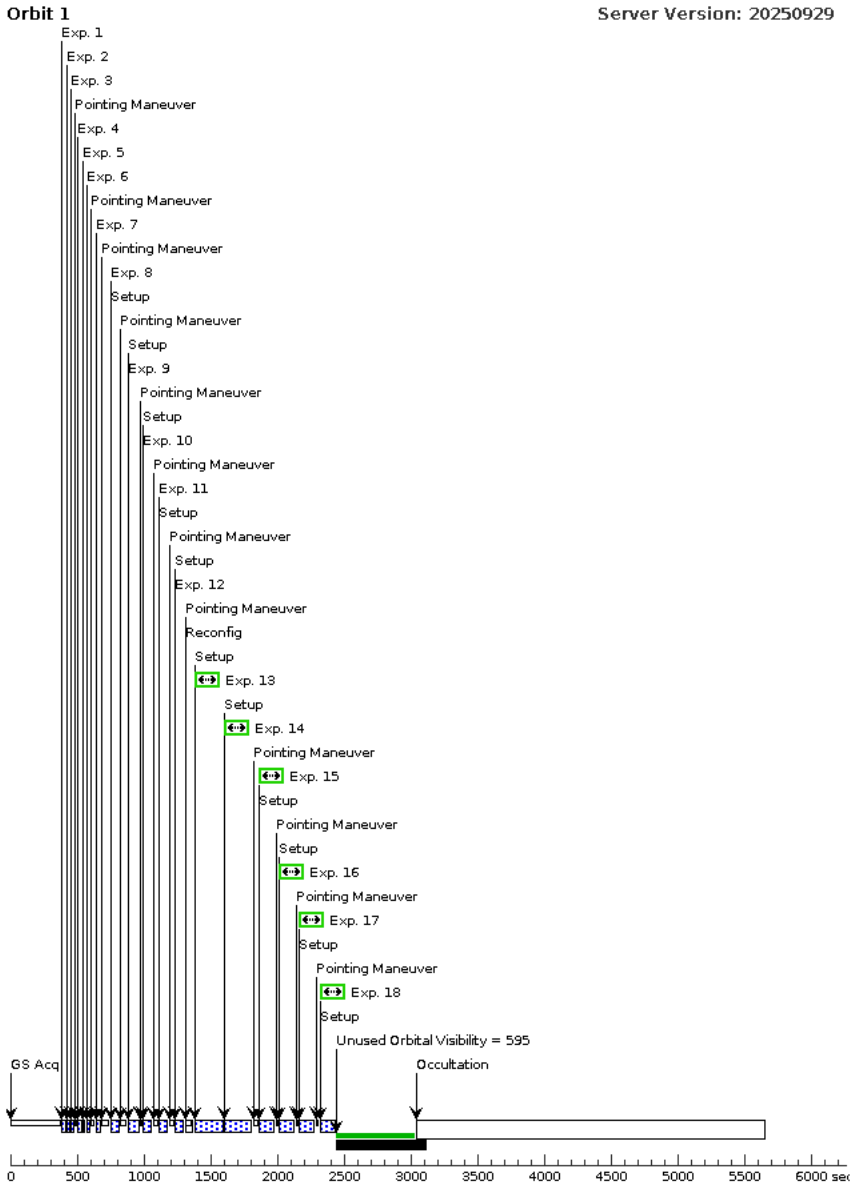
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=5	NEW OBSET; OBSET ID Z4; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	4.265135 Secs (4.265 Secs) *[==>]*	*[1]*
Comments: staring mode									
8		(18) V-V381-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

9	(18) V-V381-CEN	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	20.526037 Secs (20.526 Secs) *[==>]*		***[1]***
Comments: IR scan, Cepheid moves across field, reverse									
10	(18) V-V381-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	6.824216 Secs (6.824 Secs) *[==>]*		***[1]***
Comments: IR scan, Cepheid moves across field									
11	(18) V-V381-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	6.824216 Secs (6.824 Secs) *[==>]*		***[1]***
Comments: IR scan, Cepheid moves across field									
12	(18) V-V381-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	6.824216 Secs (6.824 Secs) *[==>]*		***[1]***
Comments: IR scan, Cepheid moves across field									
13	(18) V-V381-CEN	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	2.5 Secs (2.5 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame,reverse									

14	(18) V-V381-CEN	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	2.5 Secs (2.5 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame									
15	(18) V-V381-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame,reverse									
16	(18) V-V381-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame									
17	(18) V-V381-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame,reverse									
18	(18) V-V381-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V381-CEN (14) Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V381-CEN (14)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame									

Orbit Structure



Visit

Proposal 17915, V495-CYG (15), implementation Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: ON HOLD

On Hold Comments: removed for LMC guys

Diagnostics

(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V495-CYG (15)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	V-V495-CYG	RA: 20 15 58.3269 (303.9930288d) Dec: +35 00 53.01 (35.01472d) Equinox: J2000	Proper Motion RA: -2.907 mas/yr Proper Motion Dec: -5.998999927214754 mas/yr Parallax: 4.007E-4" Epoch of Position: 2000	V=10.75	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=[CEPHEID]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(19) V-V495-CYG	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(19) V-V495-CYG	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(19) V-V495-CYG	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(19) V-V495-CYG	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(19) V-V495-CYG	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(19) V-V495-CYG	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(19) V-V495-CYG	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*

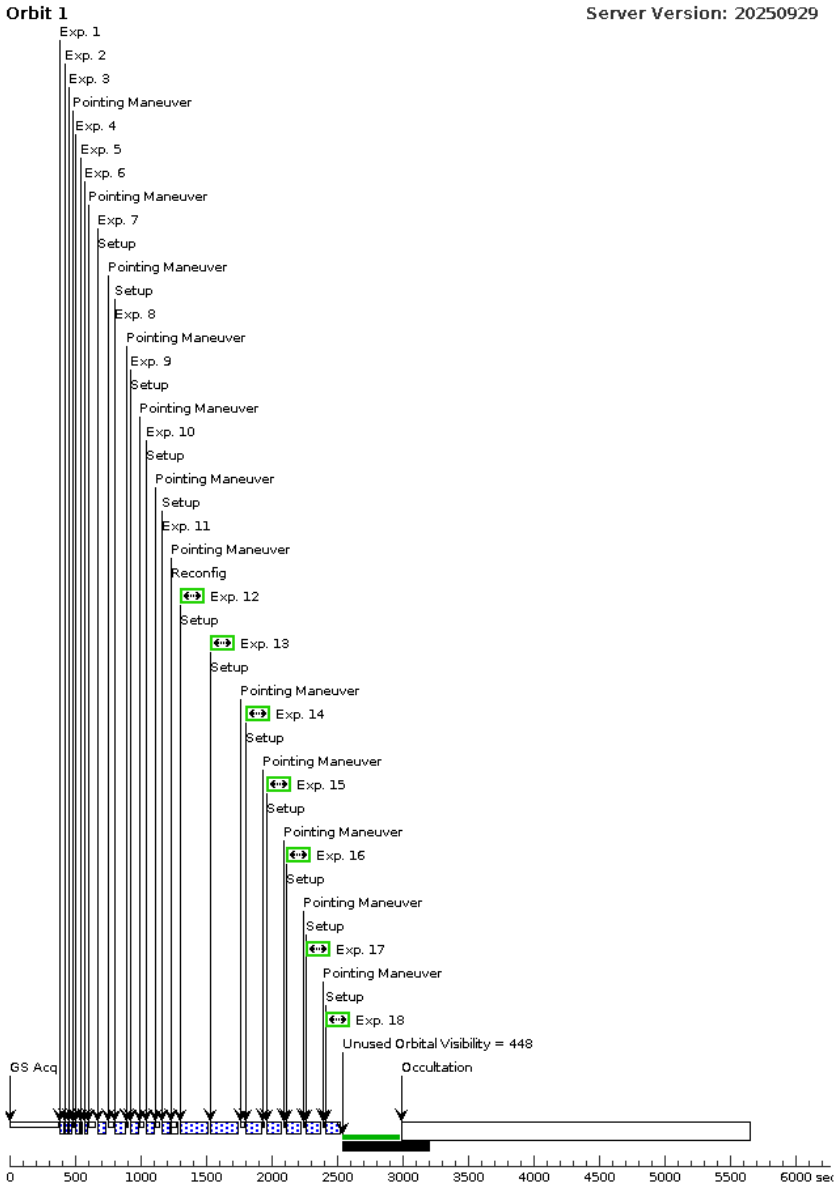
Comments: IR scan, Cepheid moves across field

8	(19) V-V495-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse								
9	(19) V-V495-CYG	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(19) V-V495-CYG	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(19) V-V495-CYG	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(19) V-V495-CYG	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(19) V-V495-CYG	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(19) V-V495-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; NEW OBSET; OBSET ID Y5; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(19) V-V495-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(19) V-V495-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(19) V-V495-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

	18	(19) V-V495-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V495-CYG (15) Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V495-CYG (15)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, V600-AQL (16), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V600-AQL (16)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(20)	V-V600-AQL	RA: 19 21 2.3458 (290.2597742d) Dec: +08 30 58.81 (8.51634d) Equinox: J2000	Proper Motion RA: 2.007 mas/yr Proper Motion Dec: -1.6679999589541694 mas/yr Parallax: 4.8709999999999997E-4" Epoch of Position: 2000	V=10.09	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=[CEPHEID]

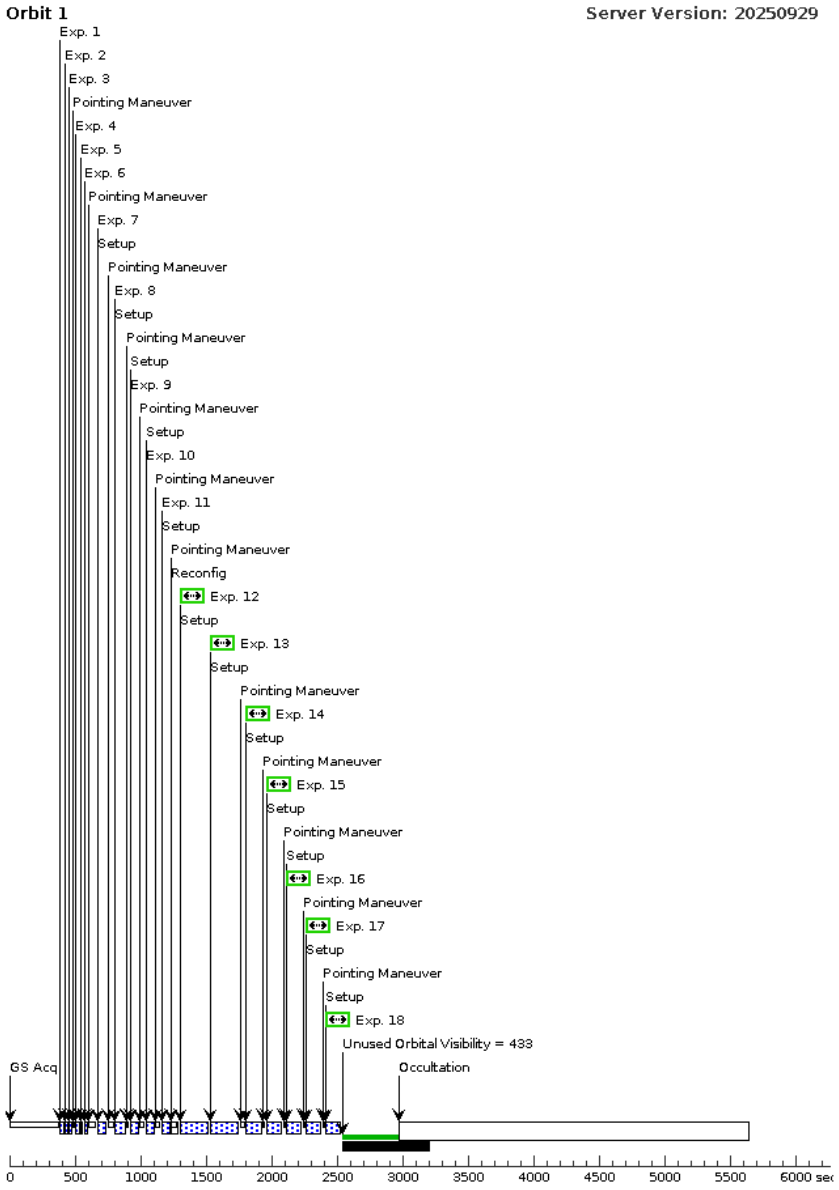
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(20) V-V600-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(20) V-V600-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(20) V-V600-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(20) V-V600-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(20) V-V600-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(20) V-V600-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; NEW OBSET; OBSET ID Y6; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(20) V-V600-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

	16	(20) V-V600-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								
	17	(20) V-V600-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame								
	18	(20) V-V600-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V600-AQL (16) Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V600-AQL (16)	2.0 Secs (2 Secs) *[==>]*	***[1]***
	Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, V637-AUR (17), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(V637-AUR (17)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V637-AUR (17)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V637-AUR (17)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V637-AUR (17)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(V637-AUR (17)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V637-AUR (17)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	V-V637-AUR	RA: 05 52 58.7850 (88.2449375d) Dec: +36 23 37.18 (36.39366d) Equinox: J2000	Proper Motion RA: 0.682 mas/yr Proper Motion Dec: -1.2199999218864832 mas/yr Parallax: 2.341E-4" Epoch of Position: 2000	V=10.53	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=[CEPHEID]

Exposures

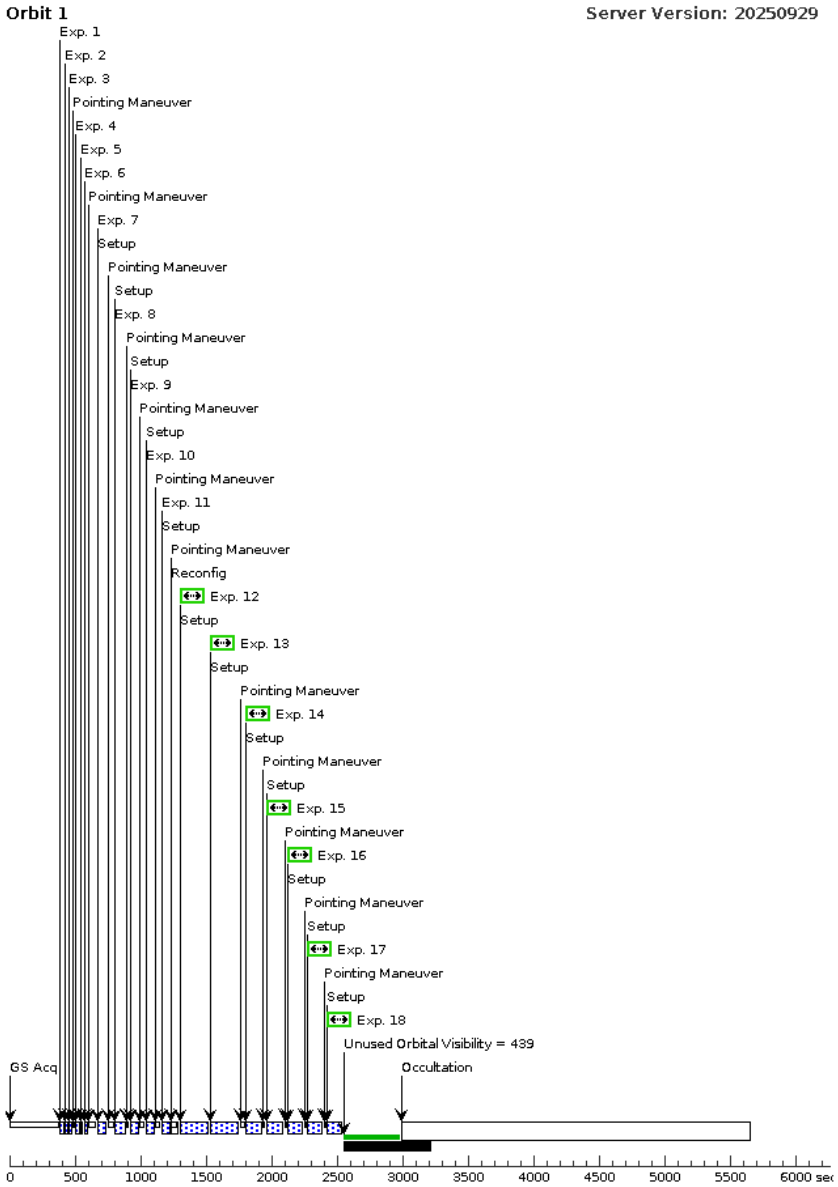
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(21) V-V637-AUR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(21) V-V637-AUR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(21) V-V637-AUR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(21) V-V637-AUR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(21) V-V637-AUR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(21) V-V637-AUR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(21) V-V637-AUR	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***

Comments: IR scan, Cepheid moves across field

8	(21) V-V637-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse								
9	(21) V-V637-AUR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(21) V-V637-AUR	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(21) V-V637-AUR	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(21) V-V637-AUR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(21) V-V637-AUR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(21) V-V637-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

15	(21) V-V637-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; NEW OBSET; OBSET ID Y7; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(21) V-V637-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(21) V-V637-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(21) V-V637-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V637-AUR (17) Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V637-AUR (17)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, V1162-AQL (18), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(V1162-AQL (18)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(22)	V-V1162-AQL	RA: 19 52 20.9909 (298.0874621d) Dec: -11 22 0.75 (-11.36687d) Equinox: J2000	Proper Motion RA: 7.808999999999999 mas/yr Proper Motion Dec: -10.848999932022707 mas/yr Parallax: 7.868E-4" Epoch of Position: 2000	V=7.81	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=[CEPHEID]

Exposures

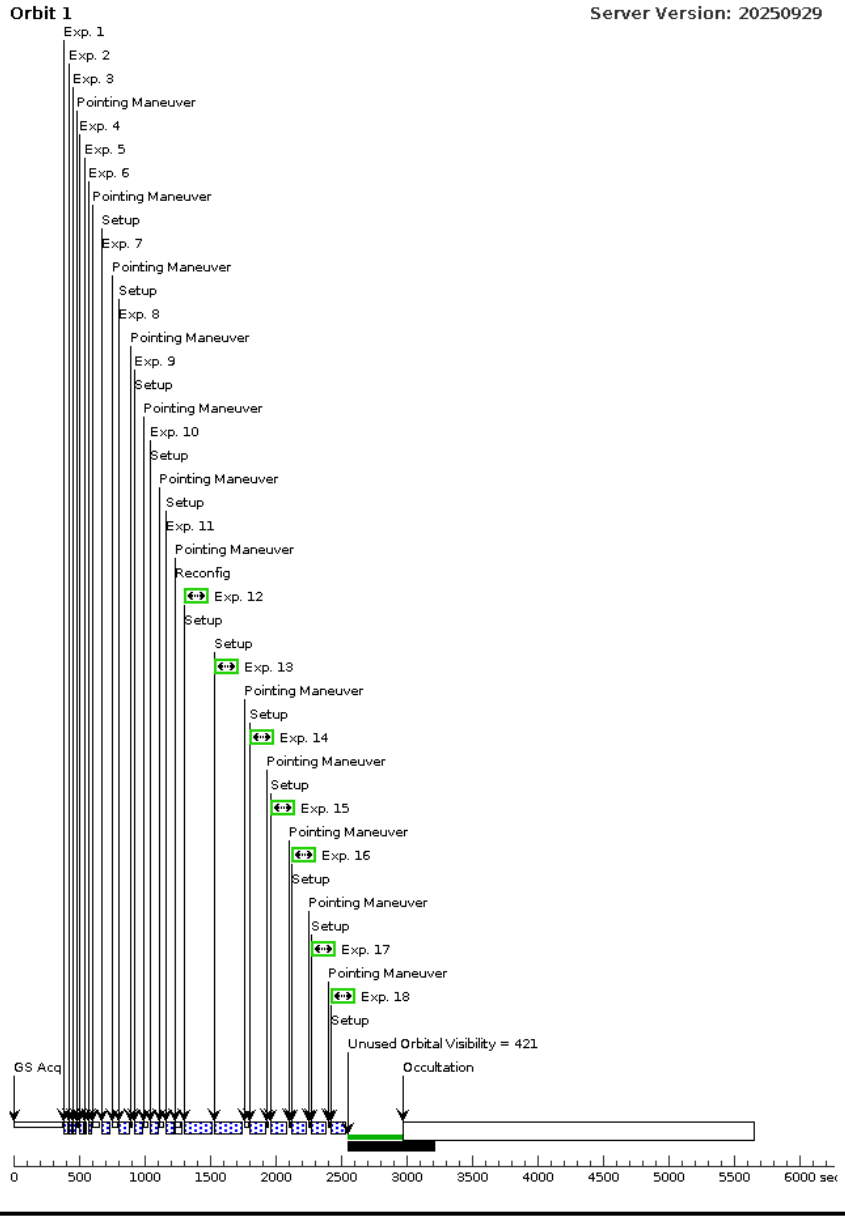
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***

Comments: IR scan, Cepheid moves across field

8	(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse								
9	(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(22) V-V1162-AQL	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(22) V-V1162-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(22) V-V1162-AQL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(22) V-V1162-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

15	(22) V-V1162-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; NEW OBSET; OBSET ID Y8; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame									
16	(22) V-V1162-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame,reverse									
17	(22) V-V1162-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame									
18	(22) V-V1162-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in V1162-AQL (18) Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in V1162-AQL (18)	2.0 Secs (2 Secs) *[==>]*		***[1]***
Comments: scan, keep Cepheid within frame,reverse									

Orbit Structure



Visit

Proposal 17915, VW-CRU (20), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(VW-CRU (20)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(VW-CRU (20)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(VW-CRU (20)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(VW-CRU (20)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(VW-CRU (20)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(24)	V-VW-CRU	RA: 12 33 18.6686 (188.3277858d) Dec: -63 30 22.91 (-63.50636d) Equinox: J2000	Proper Motion RA: -3.903 mas/yr Proper Motion Dec: -1.1340000810378115 mas/yr Parallax: 7.199E-4" Epoch of Position: 2000	V=9.76	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=[CEPHEID]

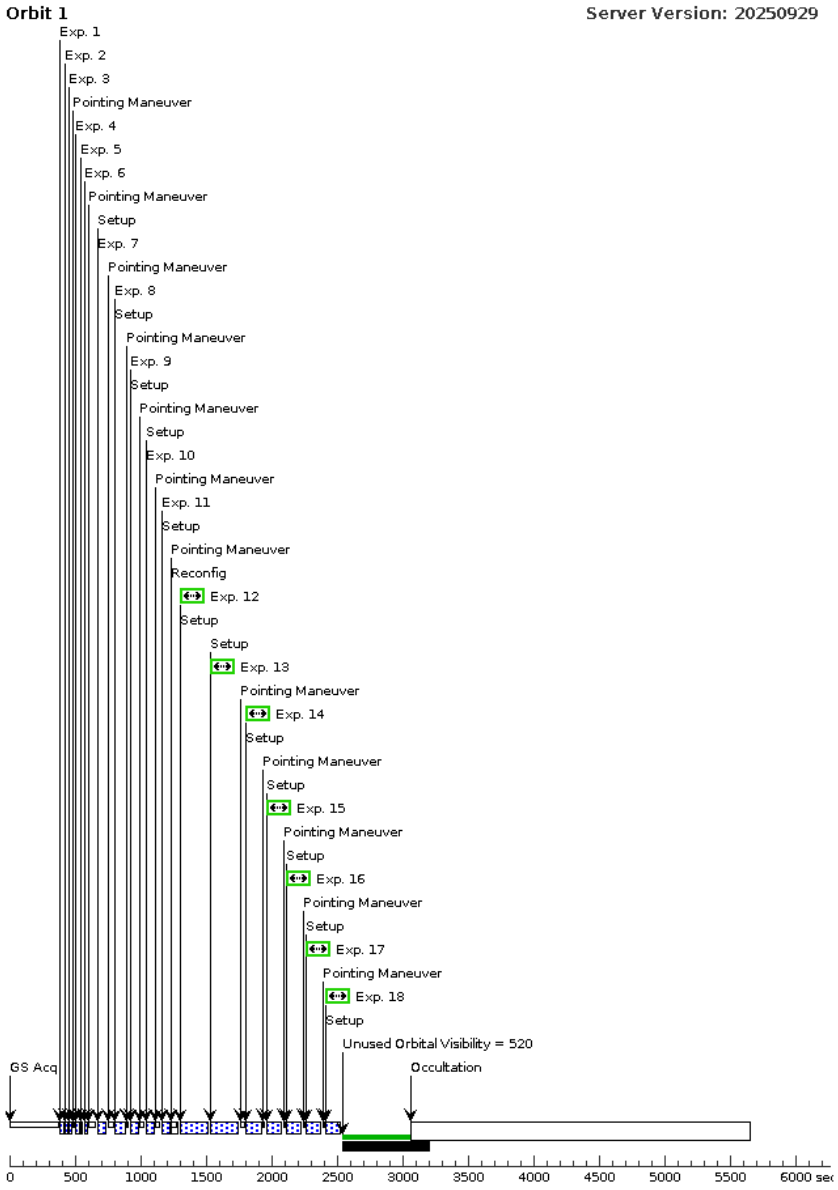
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									
9		(24) V-VW-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	6.824216 Secs (6.824 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

10	(24) V-VW-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(24) V-VW-CRU	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(24) V-VW-CRU	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(24) V-VW-CRU	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
14	(24) V-VW-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; NEW OBSET; OBSET ID Y0; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(24) V-VW-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

16	(24) V-VW-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(24) V-VW-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(24) V-VW-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in VW-CRU (20) Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in VW-CRU (20)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, WY-PUP (21), completed Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(WY-PUP (21)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(25)	V-WY-PUP	RA: 07 58 5.1408 (119.5214200d)	Proper Motion RA: -2.339 mas/yr	V=10.87	Reference Frame: ICRS
		Dec: -24 02 30.36 (-24.04177d)	Proper Motion Dec: 2.179 mas/yr		
		Equinox: J2000	Parallax: 2.369E-4"		
			Epoch of Position: 2000		

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=[CEPHEID]

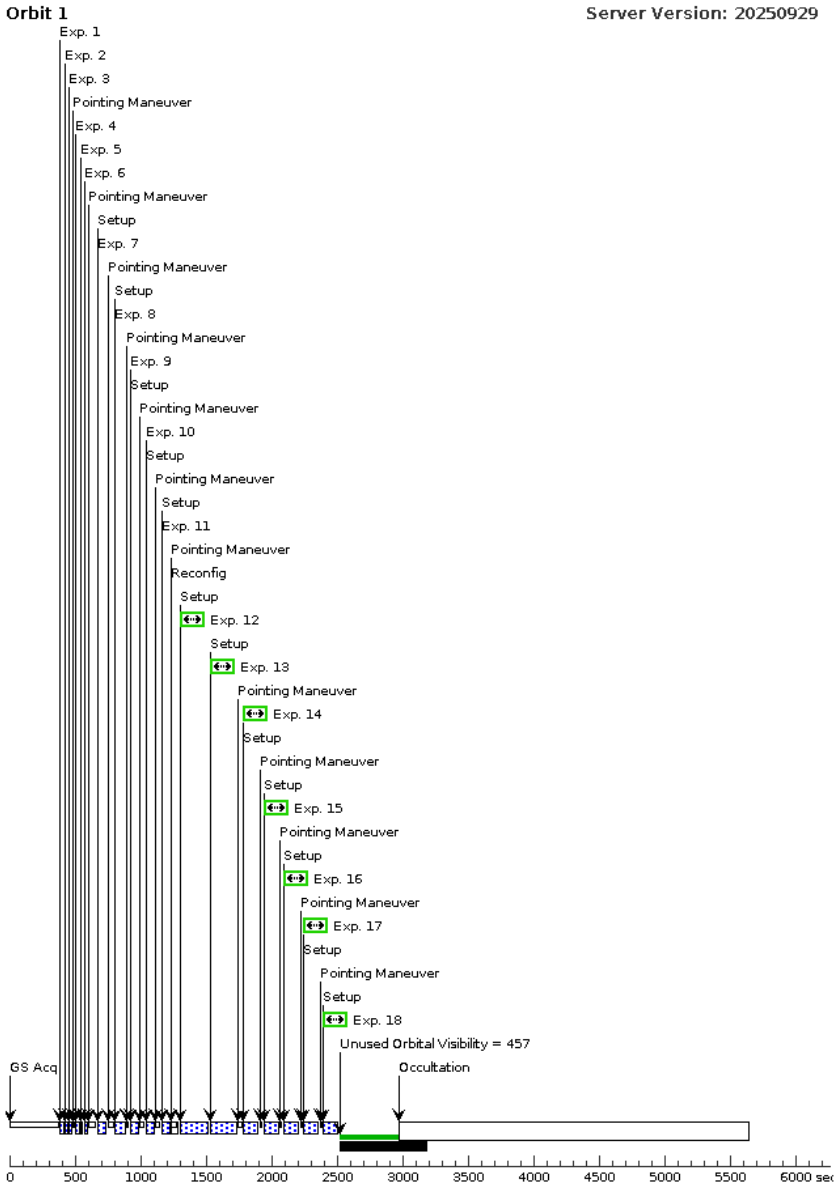
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID X1; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									
8		(25) V-WY-PUP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse									

9	(25) V-WY-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(25) V-WY-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(25) V-WY-PUP	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(25) V-WY-PUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(25) V-WY-PUP	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(25) V-WY-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(25) V-WY-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(25) V-WY-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(25) V-WY-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(25) V-WY-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in WY-PUP (21) Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in WY-PUP (21)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, XX-CEN (22), scheduled Mon Mar 02 20:01:16 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-CEN (22)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(26)	V-XX-CEN	RA: 13 40 18.6440 (205.0776833d) Dec: -57 36 47.44 (-57.61318d) Equinox: J2000	Proper Motion RA: -3.647 mas/yr Proper Motion Dec: -1.3589999525720486 mas/yr Parallax: 5.516E-4" Epoch of Position: 2000	V=7.3	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=[CEPHEID]

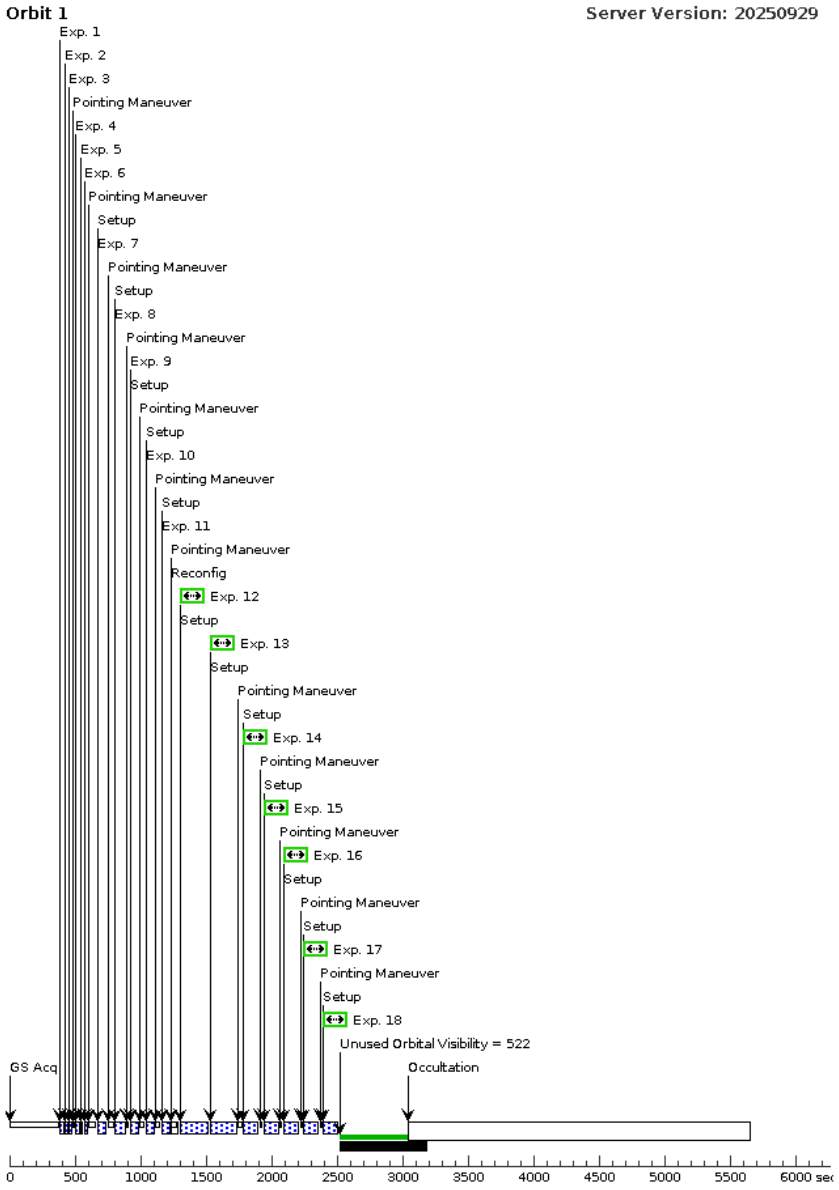
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID X2; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									
8		(26) V-XX-CEN	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse									

9	(26) V-XX-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(26) V-XX-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(26) V-XX-CEN	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(26) V-XX-CEN	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(26) V-XX-CEN	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(26) V-XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(26) V-XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(26) V-XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(26) V-XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(26) V-XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-CEN (22) Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-CEN (22)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, XX-MON (23), completed Mon Mar 02 20:01:17 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(XX-MON (23)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-MON (23)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-MON (23)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(XX-MON (23)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-MON (23)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(27)	V-XX-MON	RA: 06 52 12.1699 (103.0507079d) Dec: -02 48 25.05 (-2.80696d) Equinox: J2000	Proper Motion RA: -0.692 mas/yr Proper Motion Dec: -0.1089999386749696 mas/yr Parallax: 2.206E-4" Epoch of Position: 2000	V=11.52	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=[CEPHEID]

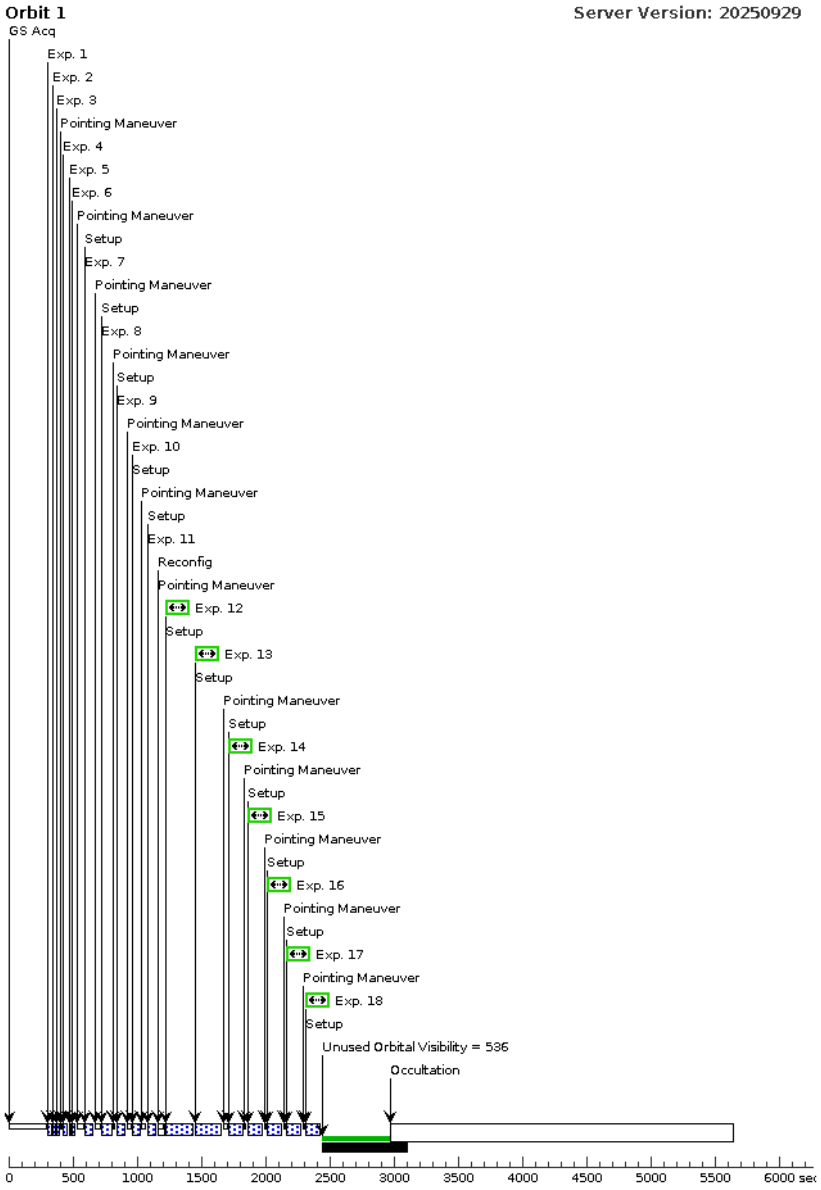
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(27) V-XX-MON	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6	GS ACQ SCENARIO ONEB1OR	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(27) V-XX-MON	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(27) V-XX-MON	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(27) V-XX-MON	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(27) V-XX-MON	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(27) V-XX-MON	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(27) V-XX-MON	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID X3; EXP PCS MODE FINE; GS ACQ SCENARIO ONEB1OR	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									
8		(27) V-XX-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	20.526037 Secs (20.526 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field, reverse									

9	(27) V-XX-MON	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(27) V-XX-MON	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(27) V-XX-MON	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(27) V-XX-MON	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(27) V-XX-MON	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(27) V-XX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(27) V-XX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(27) V-XX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(27) V-XX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(27) V-XX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-MON (23) Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-MON (23)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, XX-VEL (24), completed Mon Mar 02 20:01:17 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(XX-VEL (24)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-VEL (24)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(XX-VEL (24)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(XX-VEL (24)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(28)	V-XX-VEL	RA: 10 36 8.6022 (159.0358425d) Dec: -56 02 35.67 (-56.04324d) Equinox: J2000	Proper Motion RA: -7.734999999999999 mas/yr Proper Motion Dec: 3.443 mas/yr Parallax: 2.901E-4" Epoch of Position: 2000	V=10.64	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=[CEPHEID]

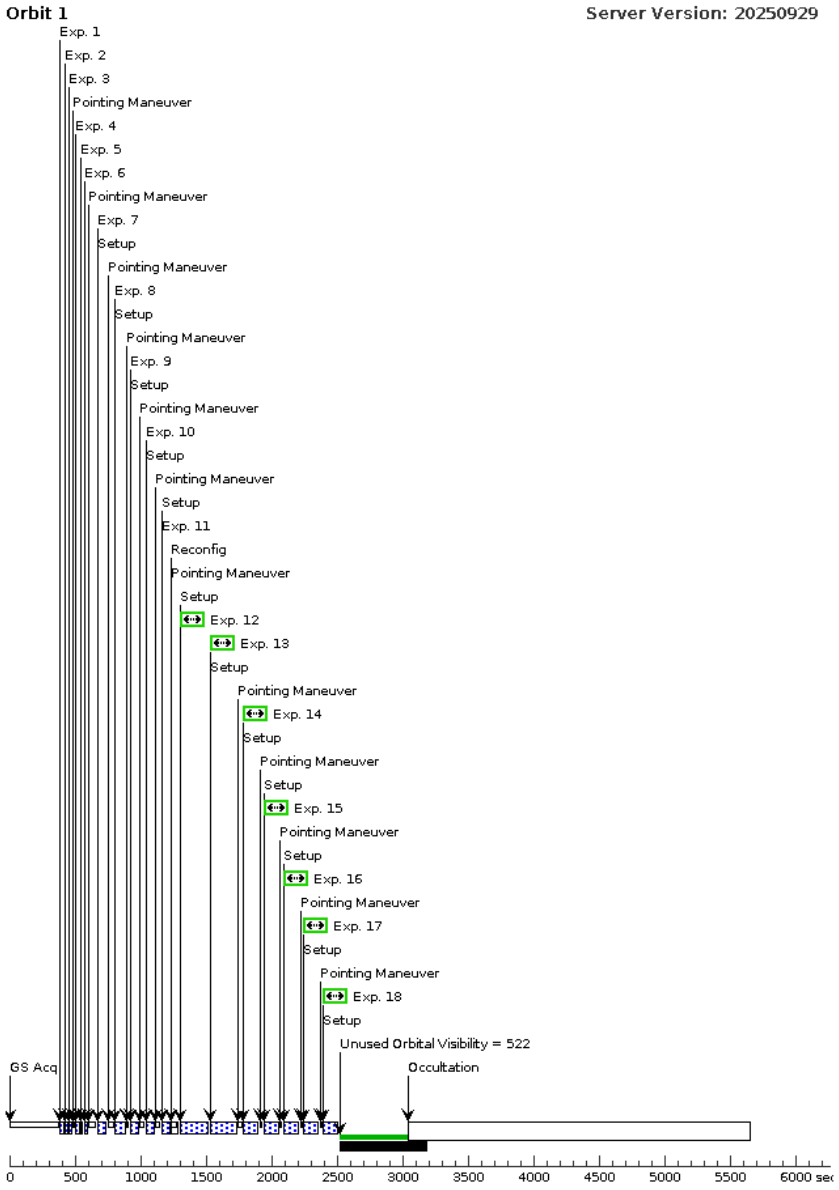
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; NEW OBSET; OBSET ID X4; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									
8		(28) V-XX-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse									

9	(28) V-XX-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
10	(28) V-XX-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(28) V-XX-VEL	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(28) V-XX-VEL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
13	(28) V-XX-VEL	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

14	(28) V-XX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
15	(28) V-XX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
16	(28) V-XX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
17	(28) V-XX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
18	(28) V-XX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F606W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in XX-VEL (24) Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in XX-VEL (24)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

Orbit Structure



Visit

Proposal 17915, AY-SGR (25), completed — Mon Mar 02 20:01:17 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(AY-SGR (25)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(AY-SGR (25)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(AY-SGR (25)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(AY-SGR (25)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(29)	V-AY-SGR	RA: 18 23 19.1499 (275.8297912d) Dec: -18 34 29.19 (-18.57477d) Equinox: J2000	Proper Motion RA: 0.559 mas/yr Proper Motion Dec: 0.197 mas/yr Parallax: 5.029E-4" Epoch of Position: 2000	V=10.49	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=[CEPHEID]

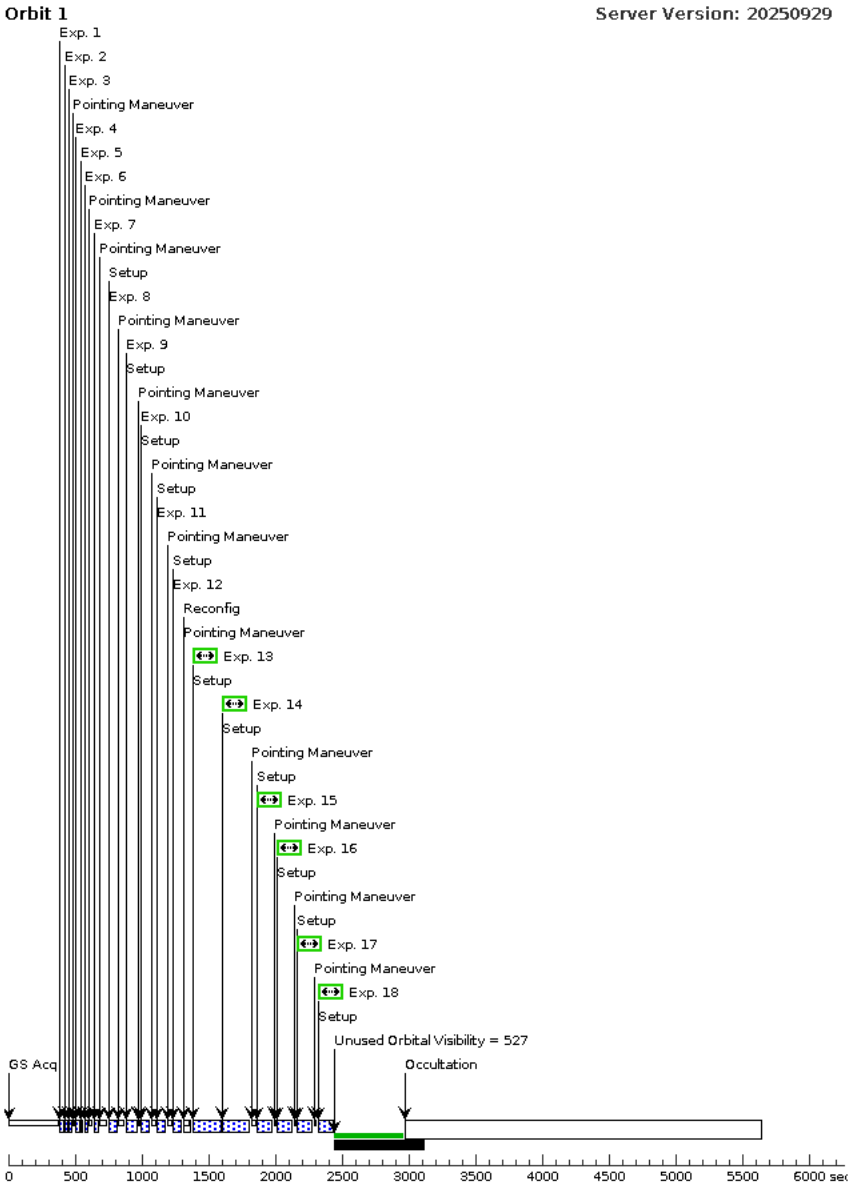
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=5	NEW OBSET; OBSET ID X5; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	4.265135 Secs (4.265 Secs) *[==>]*	***[1]***
Comments: staring mode									
8		(29) V-AY-SGR	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									

9	(29) V-AY-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse								
10	(29) V-AY-SGR	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(29) V-AY-SGR	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(29) V-AY-SGR	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
13	(29) V-AY-SGR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

14	(29) V-AY-SGR	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
15	(29) V-AY-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
16	(29) V-AY-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
17	(29) V-AY-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
18	(29) V-AY-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in AY-SGR (25) Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in AY-SGR (25)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

Orbit Structure



Visit

Proposal 17915, HV 2827 (28), scheduled Mon Mar 02 20:01:17 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 2827 (28)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(30)	SV-HV-2827	RA: 05 43 47.3076 (85.9471150d)	Proper Motion RA: 1.567 mas/yr	V=12.02	Reference Frame: ICRS
		Dec: -66 35 8.94 (-66.58582d)	Proper Motion Dec: 0.714 mas/yr		
		Equinox: J2000	Parallax: 2.7199999999999997E-5"		
			Epoch of Position: 2000		

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=[CEPHEID]

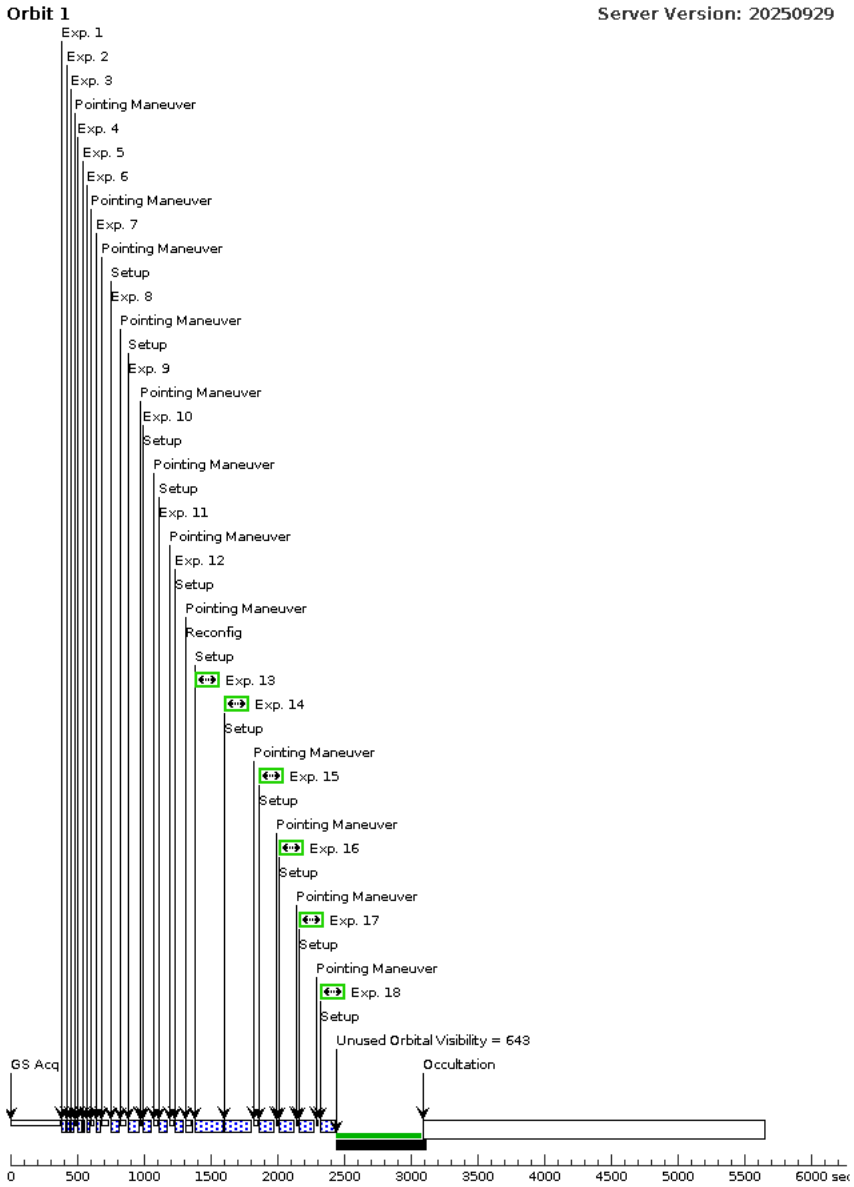
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
2		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=6		Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	1.66689 Secs (1.667 Secs) *[==>]*	***[1]***
3		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5		Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
4		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
5		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
6		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	1.389075 Secs (1.389 Secs) *[==>]*	***[1]***
7		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=5	NEW OBSET; OBSET ID X6; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	4.265135 Secs (4.265 Secs) *[==>]*	***[1]***
Comments: staring mode									
8		(30) SV-HV-2827	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	7.677243 Secs (7.677 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field									

9	(30) SV-HV-2827	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse								
10	(30) SV-HV-2827	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(30) SV-HV-2827	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(30) SV-HV-2827	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
13	(30) SV-HV-2827	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

14	(30) SV-HV-2827	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
15	(30) SV-HV-2827	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
16	(30) SV-HV-2827	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
17	(30) SV-HV-2827	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
18	(30) SV-HV-2827	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 2827 (28) Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 2827 (28)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

Orbit Structure



Visit

Proposal 17915, HV 5497 (27), completed Mon Mar 02 20:01:17 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR, WFC3/UVIS

Special Requirements: (none)

Diagnostics

(HV 5497 (27)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 5497 (27)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
(HV 5497 (27)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING
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(HV 5497 (27)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(31)	SV-HV-5497	RA: 04 55 40.5528 (73.9189700d) Dec: -66 25 43.32 (-66.42870d) Equinox: J2000	Proper Motion RA: 1.9169999999999998 mas/yr Proper Motion Dec: -0.006999994184297975 mas/yr Parallax: 1.48E-5" Epoch of Position: 2000	V=11.93	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=[CEPHEID]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
2		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=6		Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	1.66689 Secs (1.667 Secs) *[==>]*	*[1]*
3		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5		Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
4		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, GRISM256	F153M	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
5		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
6		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0.32,0.32	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	1.389075 Secs (1.389 Secs) *[==>]*	*[1]*
7		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=5	NEW OBSET; OBSET ID X7; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	4.265135 Secs (4.265 Secs) *[==>]*	*[1]*
Comments: staring mode									
8		(31) SV-HV-5497	WFC3/IR, MULTIACCUM, IRSUB512	F153M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -5,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	7.677243 Secs (7.677 Secs) *[==>]*	*[1]*
Comments: IR scan, Cepheid moves across field									

9	(31) SV-HV-5497	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID; NSAMP=7	POS TARG -5,-65; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	20.526037 Secs (20.526 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field, reverse								
10	(31) SV-HV-5497	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-55; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
11	(31) SV-HV-5497	WFC3/IR, MULTIACCUM, IRSUB512	F127M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-20; SPATIAL SCAN 4.95,90.0 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
12	(31) SV-HV-5497	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID; NSAMP=8	POS TARG -3,-65; SPATIAL SCAN 4.95,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	6.824216 Secs (6.824 Secs) *[==>]*	***[1]***
Comments: IR scan, Cepheid moves across field								
13	(31) SV-HV-5497	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F814W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								

14	(31) SV-HV-5497	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F555W	FLASH=20; BLADE=A	POS TARG 10,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	2.5 Secs (2.5 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
15	(31) SV-HV-5497	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
16	(31) SV-HV-5497	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F390W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								
17	(31) SV-HV-5497	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20; BLADE=A	POS TARG -1,-8; SPATIAL SCAN 4.95,90.05 Degrees,Reverse; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame,reverse								
18	(31) SV-HV-5497	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F336W	FLASH=20; BLADE=A	POS TARG -1,-5; SPATIAL SCAN 4.95,90.05 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-18 Non-Int in HV 5497 (27) Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27) Same Obset in Same Guide Stars in Sequence 1-18 Non-Int in HV 5497 (27)	2.0 Secs (2 Secs) *[==>]*	***[1]***
Comments: scan, keep Cepheid within frame								

Orbit Structure