



## 17961 - WFC3 IR Photometry

Cycle: 33, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>
<b>Ms. Jennifer Mack (PI) (Contact)</b>	<b>Space Telescope Science Institute</b>
Mariarosa Marinelli (CoI) (Contact)	Space Telescope Science Institute
Varun Bajaj (CoI) (Contact)	Space Telescope Science Institute

### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) GD-153	WFC3/IR	1	05-Jan-2026 15:00:32.0	yes
A1	(1) GD-153	WFC3/IR	1	05-Jan-2026 15:00:35.0	yes
02	(3) GRW+70	WFC3/IR	1	05-Jan-2026 15:00:38.0	yes
A2	(3) GRW+70	WFC3/IR	1	05-Jan-2026 15:00:41.0	yes
03	(2) GD-71	WFC3/IR	1	05-Jan-2026 15:00:44.0	yes
A3	(2) GD-71	WFC3/IR	1	05-Jan-2026 15:00:47.0	yes
04	(4) P330E	WFC3/IR	1	05-Jan-2026 15:00:51.0	yes

7 Total Orbits Used

### ABSTRACT

Monitor the IR photometric throughput and time-dependent sensitivity losses with staring mode observations of four CALSPEC standard stars. Compute new time-dependent inverse sensitivities and encircled energies, if needed.

**OBSERVING DESCRIPTION**

Observations of three hot white dwarfs (GD153, GD71, GRW+70D5824) and the G-type standard (P330E) will be acquired in all IR imaging filters using subarrays at the center of the detector. Large dithers are used to mitigate contamination from self-persistence from exposure-to-exposure through the orbit.

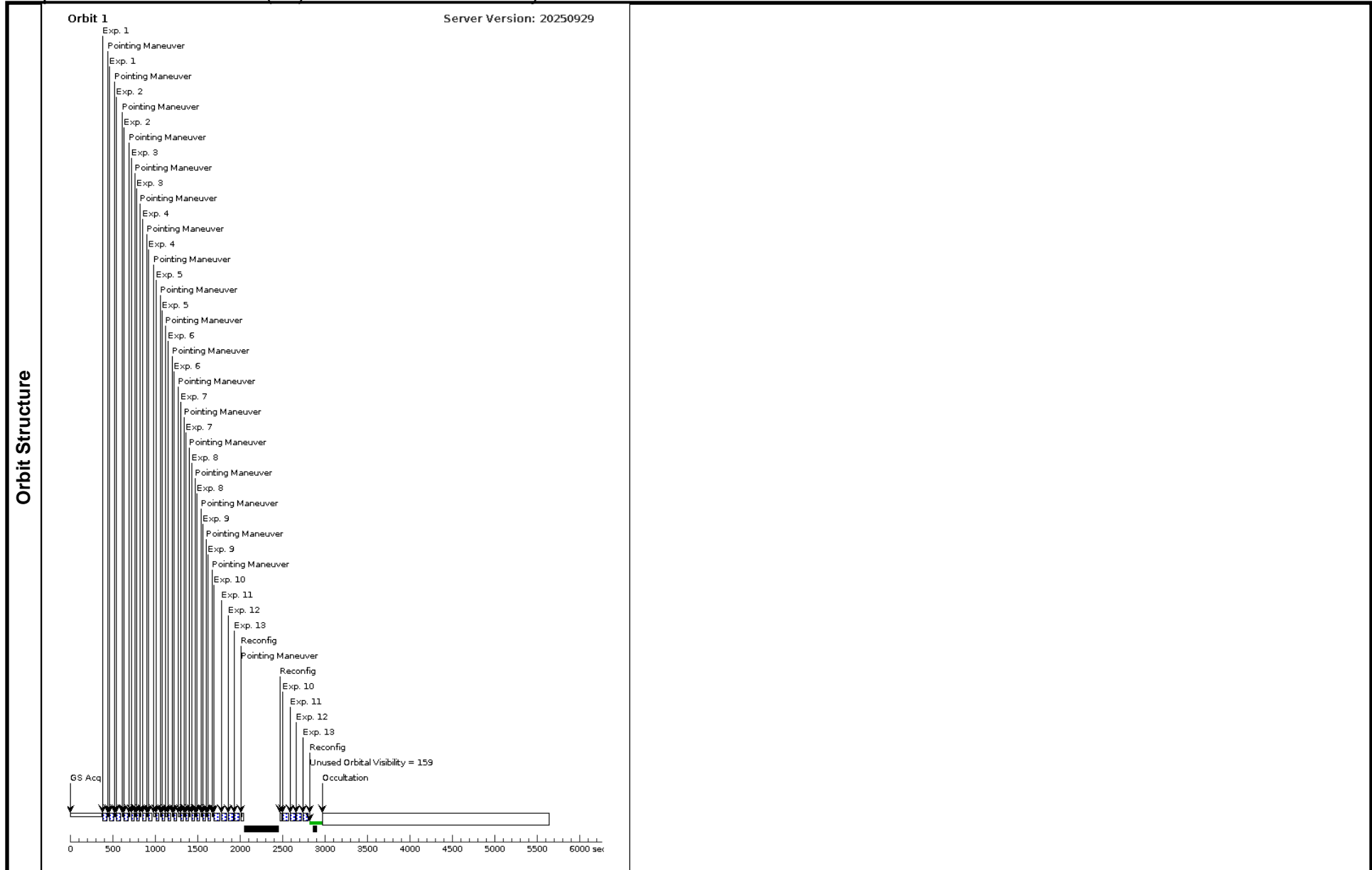
Proposal 17961 - GD153 (01) - WFC3 IR Photometry

Mon Jan 05 20:00:52 GMT 2026

<b>Visit</b>	<b>Proposal 17961, GD153 (01), failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 05-NOV-2025:00:00:00 AND 15-JAN-2026:00:00:00 Comments: All filters except F128N, F130N					
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2), (3), (4), (5), (6), (7), (8), (9), (10-13)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(1)	GD-153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000	Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.9900000025009 mas/yr Parallax: 0.014593" Epoch of Position: 2000	V=13.349	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= CALIBRATION Description= [PHOTOMETRIC]					

Proposal 17961 - GD153 (01) - WFC3 IR Photometry

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	F139M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=SPARS 5; NSAMP=10	POS TARG -2,8; GS ACQ SCENARI O BASE103	Pattern 2, Exps 1-1 i n GD153 (01) (2)	21.42112 Secs (42.842 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F153M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F153M	SAMP-SEQ=SPARS 5; NSAMP=11	POS TARG 1,6	Pattern 2, Exps 2-2 i n GD153 (01) (2)	23.77008 Secs (47.54 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F098M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -3,3	Pattern 2, Exps 3-3 i n GD153 (01) (2)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F127M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F127M	SAMP-SEQ=SPARS 5; NSAMP=9	POS TARG -5,6	Pattern 2, Exps 4-4 i n GD153 (01) (2)	19.07216 Secs (38.144 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F125W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 3,0	Pattern 2, Exps 5-5 i n GD153 (01) (2)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F160W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG -8,-5	Pattern 2, Exps 6-6 i n GD153 (01) (2)	8.53027 Secs (17.061 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F140W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 5,-2	Pattern 2, Exps 7-7 i n GD153 (01) (2)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F105W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F105W	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG 6,4	Pattern 2, Exps 8-8 i n GD153 (01) (2)	2.77815 Secs (5.556 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F110W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F110W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 1,1	Pattern 2, Exps 9-9 i n GD153 (01) (2)	1.690575 Secs (3.381 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F126N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F126N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 (01) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F164N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F164N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 (01) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	<i>Comments: This filter was OMITTED in last cycle in program 16415</i>									
	12	F132N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F132N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 (01) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
13	F167N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F167N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 (01) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 17961 - GD153 - repeat (A1) - WFC3 IR Photometry

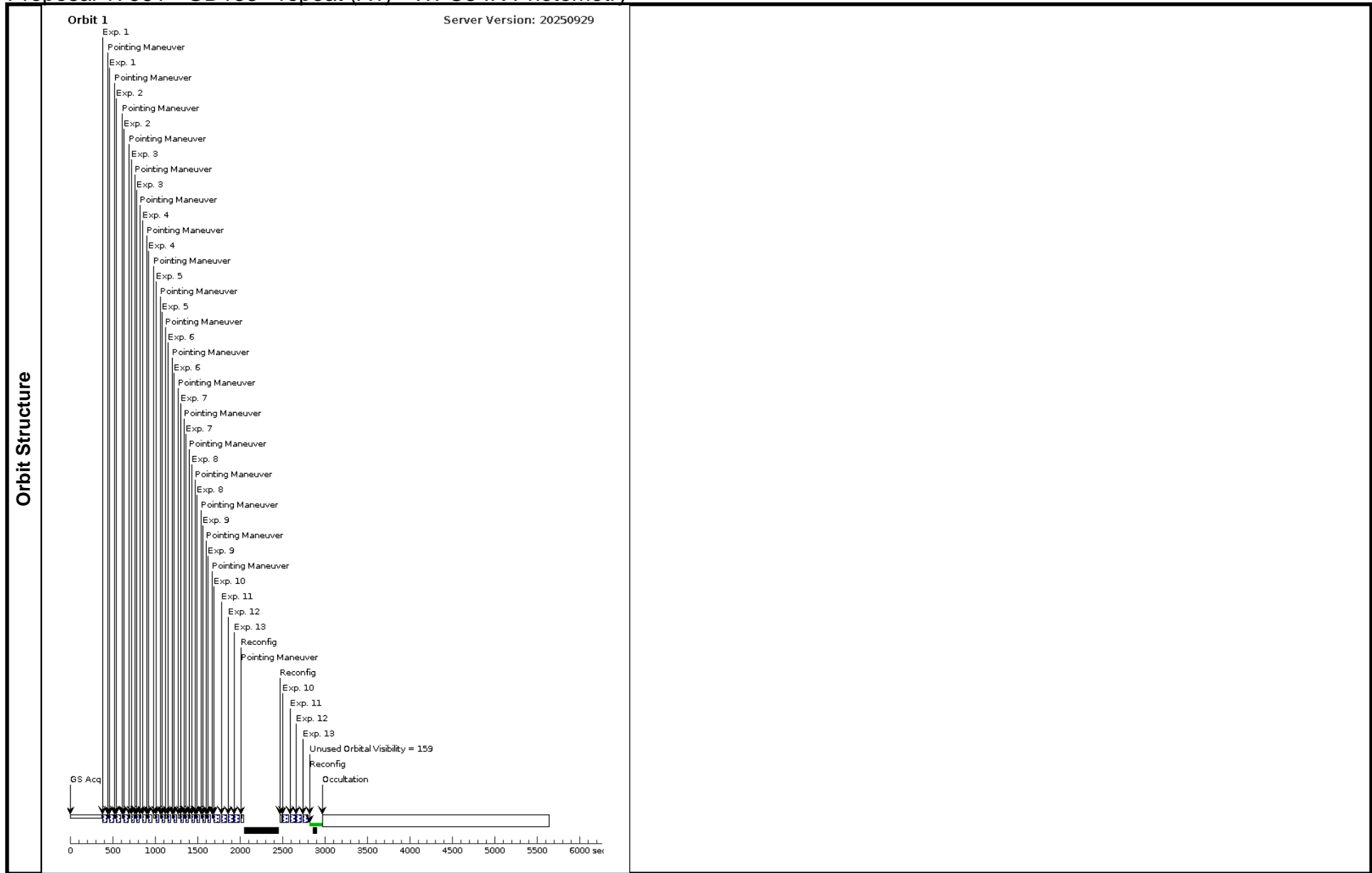
Mon Jan 05 20:00:53 GMT 2026

<b>Visit</b>	<b>Proposal 17961, GD153 - repeat (A1)</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 01-JAN-2026:00:00:00 AND 15-MAR-2026:00:00:00 <i>Comments: All filters except F128N, F130N</i>					
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2), (3), (4), (5), (6), (7), (8), (9), (10-13)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(1)	GD-153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000	Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.9900000025009 mas/yr Parallax: 0.014593" Epoch of Position: 2000	V=13.349	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> 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= CALIBRATION Description= [PHOTOMETRIC]					

Proposal 17961 - GD153 - repeat (A1) - WFC3 IR Photometry

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	F139M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=SPARS 5; NSAMP=10	POS TARG -2,8; GS ACQ SCENARI O BASE103	Pattern 2, Exps 1-1 i n GD153 - repeat (A 1) (2)	21.42112 Secs (42.842 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F153M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F153M	SAMP-SEQ=SPARS 5; NSAMP=11	POS TARG 1,6	Pattern 2, Exps 2-2 i n GD153 - repeat (A 1) (2)	23.77008 Secs (47.54 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F098M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -3,3	Pattern 2, Exps 3-3 i n GD153 - repeat (A 1) (2)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F127M	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F127M	SAMP-SEQ=SPARS 5; NSAMP=9	POS TARG -5,6	Pattern 2, Exps 4-4 i n GD153 - repeat (A 1) (2)	19.07216 Secs (38.144 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F125W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 3,0	Pattern 2, Exps 5-5 i n GD153 - repeat (A 1) (2)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F160W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG -8,-5	Pattern 2, Exps 6-6 i n GD153 - repeat (A 1) (2)	8.53027 Secs (17.061 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F140W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 5,-2	Pattern 2, Exps 7-7 i n GD153 - repeat (A 1) (2)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F105W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB256	F105W	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG 6,4	Pattern 2, Exps 8-8 i n GD153 - repeat (A 1) (2)	2.77815 Secs (5.556 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F110W	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F110W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 1,1	Pattern 2, Exps 9-9 i n GD153 - repeat (A 1) (2)	1.690575 Secs (3.381 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F126N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F126N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 - repeat (A1) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F164N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F164N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 - repeat (A1) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	<i>Comments: This filter was OMITTED in last cycle in program 16415</i>									
	12	F132N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F132N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 - repeat (A1) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
13	F167N	(1) GD-153	WFC3/IR, MULTIACCUM, IRSUB128	F167N	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG -1,-1	Pattern 2, Exps 10-1 3 in GD153 - repeat (A1) (2)	50.382344 Secs (100.765 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	

Proposal 17961 - GD153 - repeat (A1) - WFC3 IR Photometry



Proposal 17961 - GRW+70 (02) - WFC3 IR Photometry

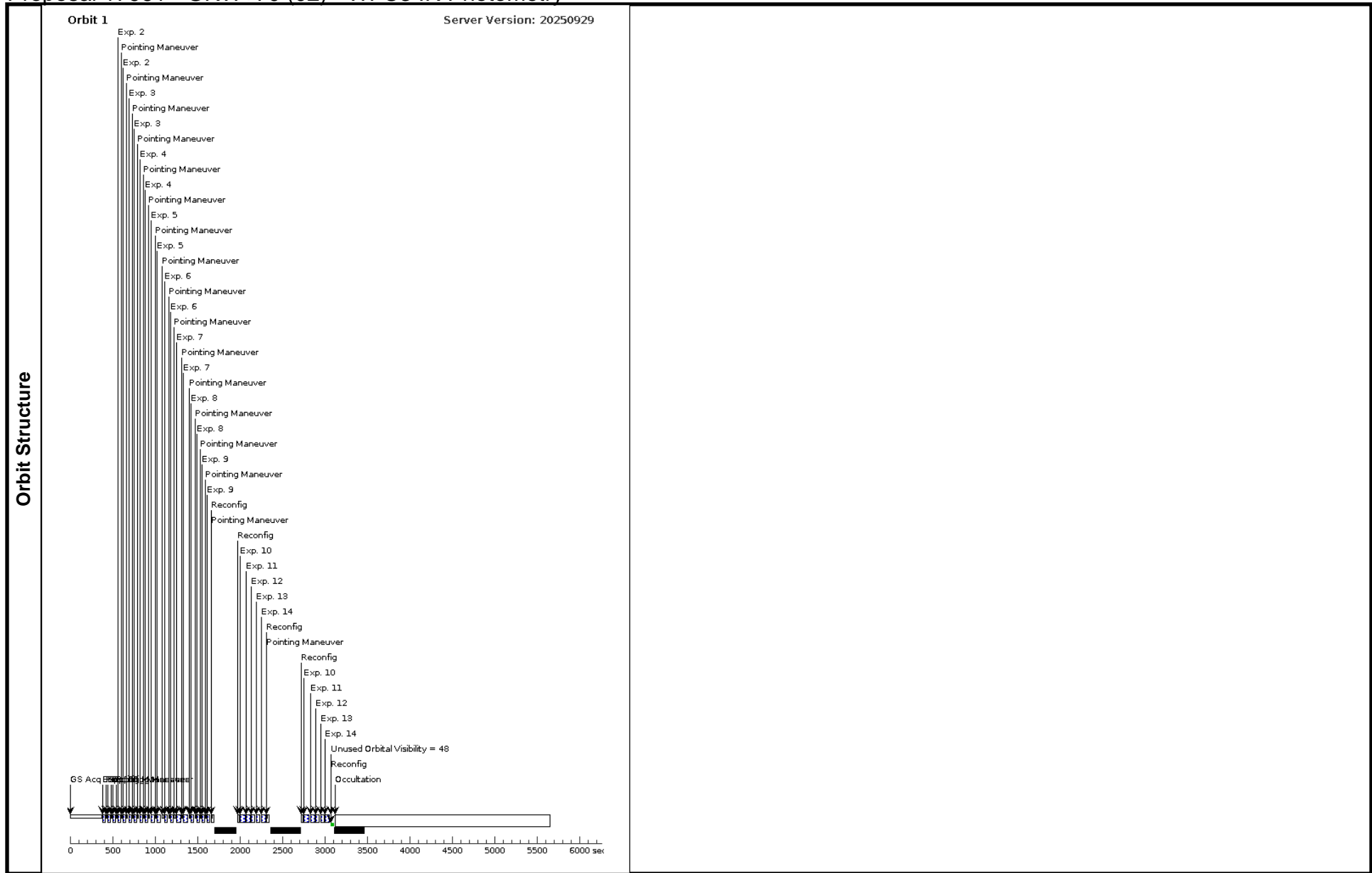
Mon Jan 05 20:00:53 GMT 2026

<b>Visit</b>	<b>Proposal 17961, GRW+70 (02), failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 05-NOV-2025:00:00:00 AND 15-JAN-2026:00:00:00 Comments: All filters except F167N					
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>	
(2)		Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(2), (3), (4), (5), (6), (7), (8), (9), (10-14)		
(3)		Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(3)	GRW+70	RA: 13 38 50.4781 (204.7103254d) Dec: +70 17 7.64 (70.28546d) Equinox: J2000	Proper Motion RA: -402.079 mas/yr Proper Motion Dec: -24.556000062148087 mas/yr Parallax: 0.0377291" Epoch of Position: 2000	V=12.6	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=CALIBRATION Description=[PHOTOMETRIC]						

Proposal 17961 - GRW+70 (02) - WFC3 IR Photometry

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F105W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB128	F105W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -3,-3	Pattern 3, Exps 1-1 in GRW+70 (02) (3)	1.690575 Secs (5.072 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	F110W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB128	F110W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -1.3,0	Pattern 2, Exps 2-2 in GRW+70 (02) (2)	1.35246 Secs (2.705 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3	F098M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB128	F098M	NSAMP=15; SAMP-SEQ=RAPID	POS TARG 2,2.5	Pattern 2, Exps 3-3 in GRW+70 (02) (2)	1.690575 Secs (3.381 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	4	F127M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F127M	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG -5,6	Pattern 2, Exps 4-4 in GRW+70 (02) (2)	3.055965 Secs (6.112 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	5	F139M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=SPARS ; NSAMP=9	POS TARG -2,8	Pattern 2, Exps 5-5 in GRW+70 (02) (2)	19.07216 Secs (38.144 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	6	F160W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -8,-5	Pattern 2, Exps 6-6 in GRW+70 (02) (2)	4.167225 Secs (8.334 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	7	F153M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F153M	SAMP-SEQ=SPARS ; NSAMP=10	POS TARG 1,6	Pattern 2, Exps 7-7 in GRW+70 (02) (2)	21.42112 Secs (42.842 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	8	F125W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG 3,0	Pattern 2, Exps 8-8 in GRW+70 (02) (2)	3.055965 Secs (6.112 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	9	F140W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG 5,-2	Pattern 2, Exps 9-9 in GRW+70 (02) (2)	3.055965 Secs (6.112 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	10	F126N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F126N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 (02) (2)	32.989604 Secs (65.979 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	11	F128N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F128N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 (02) (2)	32.989604 Secs (65.979 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	12	F130N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F130N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 (02) (2)	32.989604 Secs (65.979 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	13	F132N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F132N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 (02) (2)	32.989604 Secs (65.979 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
14	F164N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F164N	SAMP-SEQ=SPARS ; NSAMP=13	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 (02) (2)	35.911111 Secs (71.822 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]	

Proposal 17961 - GRW+70 (02) - WFC3 IR Photometry



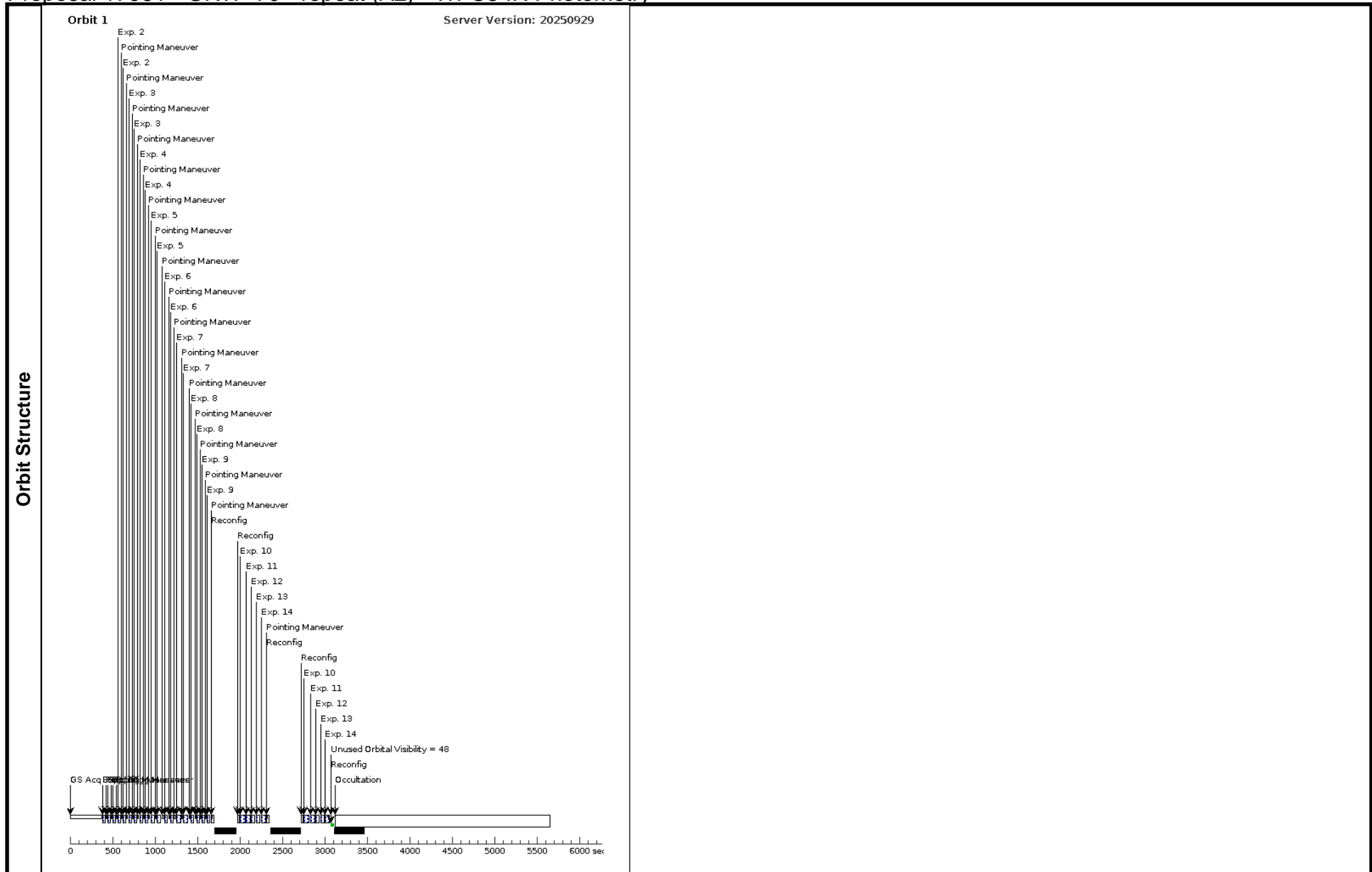
Proposal 17961 - GRW+70 - repeat (A2) - WFC3 IR Photometry

Mon Jan 05 20:00:53 GMT 2026

<b>Visit</b>	<b>Proposal 17961, GRW+70 - repeat (A2), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 05-NOV-2025:00:00:00 AND 15-APR-2026:00:00:00 Comments: All filters except F167N					
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(2), (3), (4), (5), (6), (7), (8), (9), (10-14)	
	(3)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(3)	GRW+70	RA: 13 38 50.4781 (204.7103254d) Dec: +70 17 7.64 (70.28546d) Equinox: J2000	Proper Motion RA: -402.079 mas/yr Proper Motion Dec: -24.556000062148087 mas/yr Parallax: 0.0377291" Epoch of Position: 2000	V=12.6	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=CALIBRATION Description=[PHOTOMETRIC]						

Proposal 17961 - GRW+70 - repeat (A2) - WFC3 IR Photometry

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F105W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB128	F105W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -3,-3	Pattern 3, Exps 1-1 in GRW+70 - repeat (A2) (3)	1.690575 Secs (5.072 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	F110W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB128	F110W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -1.3,0	Pattern 2, Exps 2-2 in GRW+70 - repeat (A2) (2)	1.35246 Secs (2.705 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F098M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB128	F098M	NSAMP=15; SAMP-SEQ=RAPID	POS TARG 2,2.5	Pattern 2, Exps 3-3 in GRW+70 - repeat (A2) (2)	1.690575 Secs (3.381 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F127M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F127M	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG -5,6	Pattern 2, Exps 4-4 in GRW+70 - repeat (A2) (2)	3.055965 Secs (6.112 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F139M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=SPARS ; NSAMP=9	POS TARG -2,8	Pattern 2, Exps 5-5 in GRW+70 - repeat (A2) (2)	19.07216 Secs (38.144 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F160W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -8,-5	Pattern 2, Exps 6-6 in GRW+70 - repeat (A2) (2)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F153M	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F153M	SAMP-SEQ=SPARS ; NSAMP=10	POS TARG 1,6	Pattern 2, Exps 7-7 in GRW+70 - repeat (A2) (2)	21.42112 Secs (42.842 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F125W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG 3,0	Pattern 2, Exps 8-8 in GRW+70 - repeat (A2) (2)	3.055965 Secs (6.112 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F140W	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG 5,-2	Pattern 2, Exps 9-9 in GRW+70 - repeat (A2) (2)	3.055965 Secs (6.112 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F126N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F126N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 - repeat (A2) (2)	32.989604 Secs (65.979 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F128N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F128N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 - repeat (A2) (2)	32.989604 Secs (65.979 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F130N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F130N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 - repeat (A2) (2)	32.989604 Secs (65.979 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F132N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F132N	SAMP-SEQ=SPARS ; NSAMP=12	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 - repeat (A2) (2)	32.989604 Secs (65.979 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
14	F164N	(3) GRW+70	WFC3/IR, MULTIACCUM, IRSUB512	F164N	SAMP-SEQ=SPARS ; NSAMP=13	POS TARG 1,1	Pattern 2, Exps 10-14 in GRW+70 - repeat (A2) (2)	35.911111 Secs (71.822 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 17961 - GD71 (03) - WFC3 IR Photometry

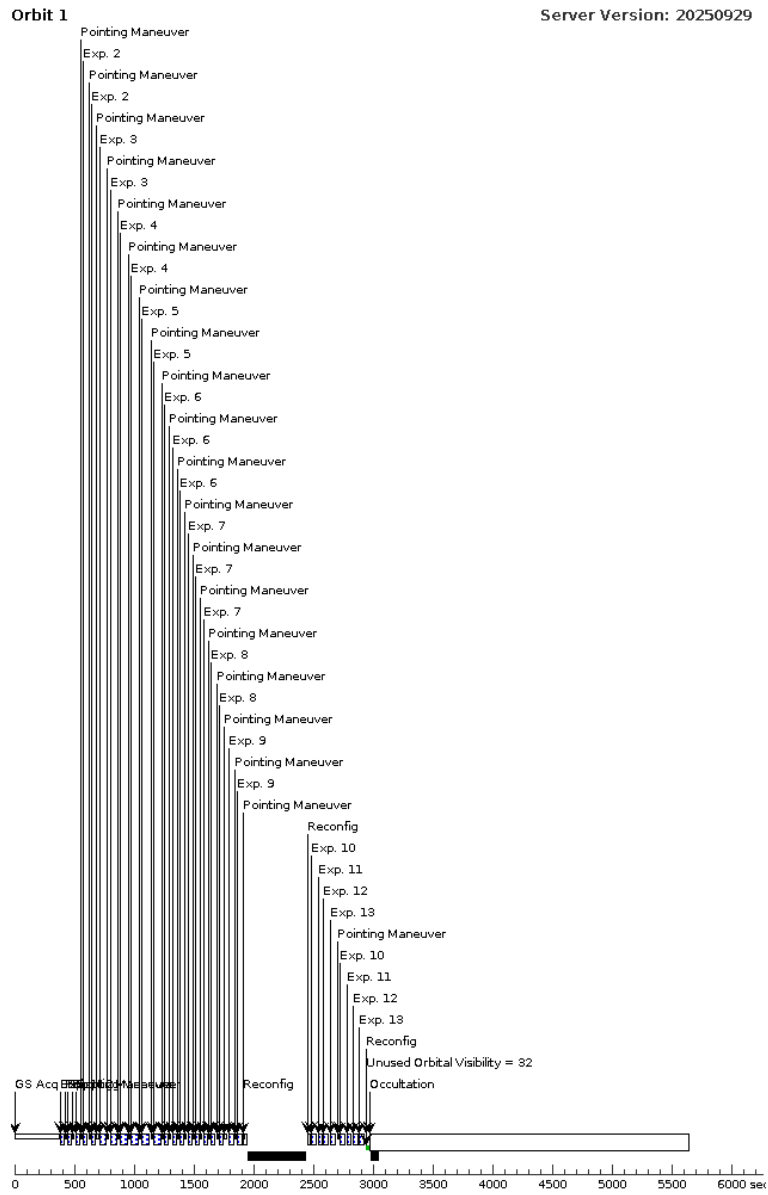
Mon Jan 05 20:00:53 GMT 2026

<b>Visit</b>	<b>Proposal 17961, GD71 (03), failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 05-NOV-2025:00:00:00 AND 15-JAN-2026:00:00:00 Comments: All filters except F128N, F132N					
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>	
	(4)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=2 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false		(1), (3), (4), (5), (8), (9), (10-13)		
	(5)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.3 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=15 Angle Between Sides= Center Pattern=false		(2), (6), (7)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(2)	GD-71	RA: 05 52 27.6199 (88.1150829d) Dec: +15 53 13.23 (15.88701d) Equinox: J2000	Proper Motion RA: 76.728 mas/yr Proper Motion Dec: -172.95999998623302 mas/yr Parallax: 0.0195638" Epoch of Position: 2000	V=13.032	Reference Frame: ICRS
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=CALIBRATION Description=[PHOTOMETRIC]						

Proposal 17961 - GD71 (03) - WFC3 IR Photometry

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F098M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -3,3	Pattern 4, Exps 1-1 in GD71 (03) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F105W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F105W	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG 6,4	Pattern 5, Exps 2-2 in GD71 (03) (5)	2.77815 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	F127M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F127M	SAMP-SEQ=SPARS ; NSAMP=10	POS TARG -5,6	Pattern 4, Exps 3-3 in GD71 (03) (4)	21.42112 Secs (42.842 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F139M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=SPARS ; NSAMP=14	POS TARG -2,8	Pattern 4, Exps 4-4 in GD71 (03) (4)	30.81696 Secs (61.634 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F153M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F153M	SAMP-SEQ=SPARS ; NSAMP=15	POS TARG 1,6	Pattern 4, Exps 5-5 in GD71 (03) (4)	33.16592 Secs (66.332 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F110W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 4,8	Pattern 5, Exps 6-6 in GD71 (03) (5)	1.944705 Secs (5.834 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	7	F125W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 3,1	Pattern 5, Exps 7-7 in GD71 (03) (5)	4.167225 Secs (12.502 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	8	F140W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 5,-2	Pattern 4, Exps 8-8 in GD71 (03) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F160W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -8,-5	Pattern 4, Exps 9-9 in GD71 (03) (4)	10.236324 Secs (20.473 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F126N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F126N	SAMP-SEQ=SPARS ; NSAMP=10		Pattern 4, Exps 10-13 in GD71 (03) (4)	19.74337 Secs (39.487 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F130N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F130N	SAMP-SEQ=SPARS ; NSAMP=10		Pattern 4, Exps 10-13 in GD71 (03) (4)	19.74337 Secs (39.487 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F167N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F167N	SAMP-SEQ=SPARS ; NSAMP=15		Pattern 4, Exps 10-13 in GD71 (03) (4)	30.649295 Secs (61.299 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
13	F164N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F164N	SAMP-SEQ=SPARS ; NSAMP=15		Pattern 4, Exps 10-13 in GD71 (03) (4)	30.649295 Secs (61.299 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	

Orbit Structure

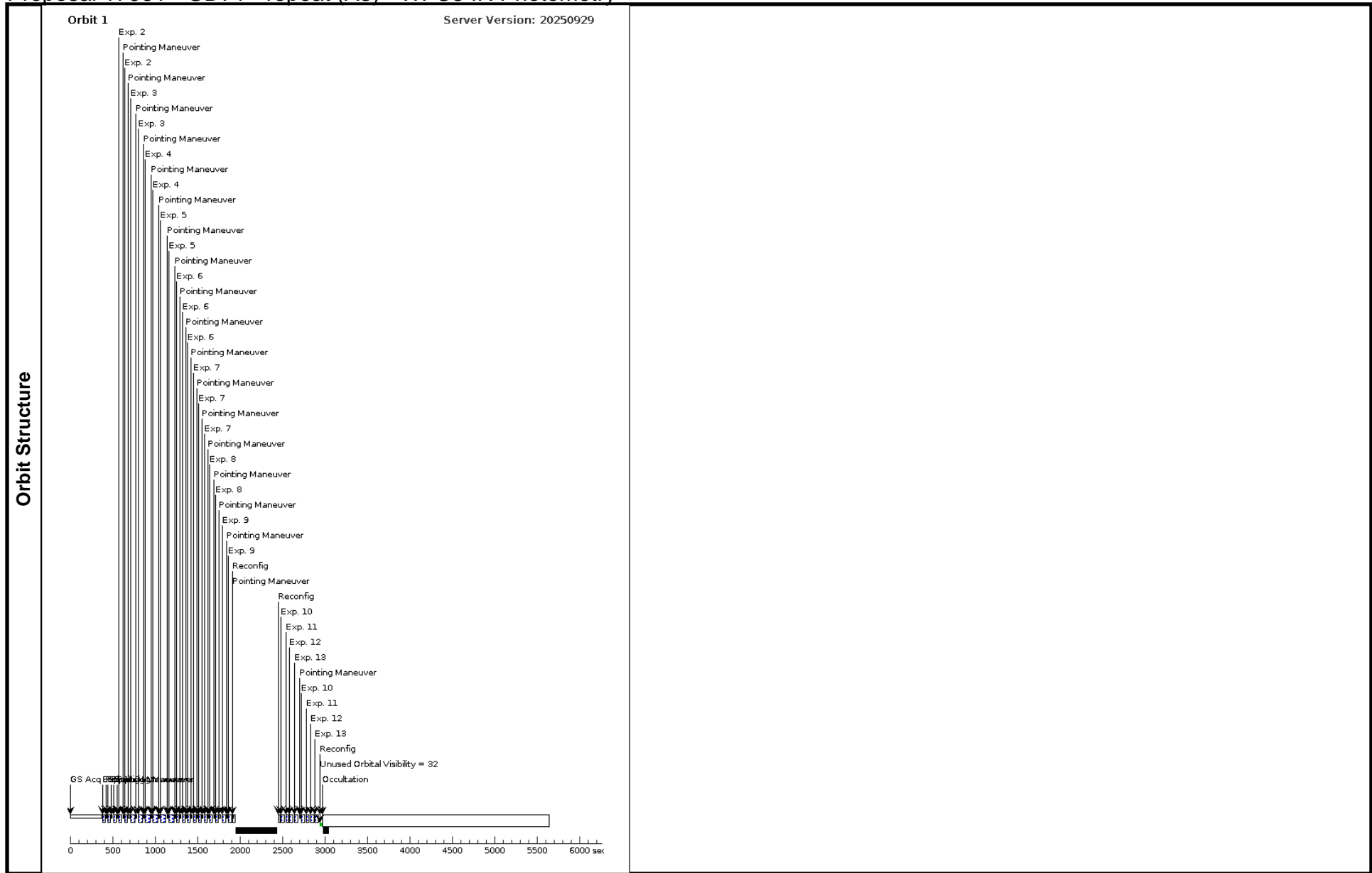


Proposal 17961 - GD71 - repeat (A3) - WFC3 IR Photometry

<b>Visit</b>	<b>Proposal 17961, GD71 - repeat (A3), implementation</b> <span style="float: right;">Mon Jan 05 20:00:53 GMT 2026</span> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 15-AUG-2026:00:00:00 AND 01-OCT-2026:00:00:00 <i>Comments: All filters except F128N, F132N</i>					
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>	
(4)		Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=2 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false		(1), (3), (4), (5), (8), (9), (10-13)		
(5)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.3 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=15 Angle Between Sides= Center Pattern=false		(2), (6), (7)			
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(2)	GD-71	RA: 05 52 27.6199 (88.1150829d) Dec: +15 53 13.23 (15.88701d) Equinox: J2000	Proper Motion RA: 76.728 mas/yr Proper Motion Dec: -172.95999998623302 mas/yr Parallax: 0.0195638" Epoch of Position: 2000	V=13.032	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> 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=CALIBRATION Description=[PHOTOMETRIC]						

Proposal 17961 - GD71 - repeat (A3) - WFC3 IR Photometry

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F098M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -3,3	Pattern 4, Exps 1-1 in GD71 - repeat (A3) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F105W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F105W	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG 6,4	Pattern 5, Exps 2-2 in GD71 - repeat (A3) (5)	2.77815 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	F127M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F127M	SAMP-SEQ=SPARS ; NSAMP=10	POS TARG -5,6	Pattern 4, Exps 3-3 in GD71 - repeat (A3) (4)	21.42112 Secs (42.842 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F139M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=SPARS ; NSAMP=14	POS TARG -2,8	Pattern 4, Exps 4-4 in GD71 - repeat (A3) (4)	30.81696 Secs (61.634 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F153M	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F153M	SAMP-SEQ=SPARS ; NSAMP=15	POS TARG 1,6	Pattern 4, Exps 5-5 in GD71 - repeat (A3) (4)	33.16592 Secs (66.332 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F110W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 4,8	Pattern 5, Exps 6-6 in GD71 - repeat (A3) (5)	1.944705 Secs (5.834 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	7	F125W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 3,1	Pattern 5, Exps 7-7 in GD71 - repeat (A3) (5)	4.167225 Secs (12.502 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	8	F140W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 5,-2	Pattern 4, Exps 8-8 in GD71 - repeat (A3) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F160W	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -8,-5	Pattern 4, Exps 9-9 in GD71 - repeat (A3) (4)	10.236324 Secs (20.473 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F126N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F126N	SAMP-SEQ=SPARS ; NSAMP=10		Pattern 4, Exps 10-13 in GD71 - repeat (A3) (4)	19.74337 Secs (39.487 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F130N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F130N	SAMP-SEQ=SPARS ; NSAMP=10		Pattern 4, Exps 10-13 in GD71 - repeat (A3) (4)	19.74337 Secs (39.487 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F167N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F167N	SAMP-SEQ=SPARS ; NSAMP=15		Pattern 4, Exps 10-13 in GD71 - repeat (A3) (4)	30.649295 Secs (61.299 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
13	F164N	(2) GD-71	WFC3/IR, MULTIACCUM, IRSUB128	F164N	SAMP-SEQ=SPARS ; NSAMP=15		Pattern 4, Exps 10-13 in GD71 - repeat (A3) (4)	30.649295 Secs (61.299 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 17961 - P330E (04) - WFC3 IR Photometry

Mon Jan 05 20:00:53 GMT 2026

<b>Visit</b>	<p><b>Proposal 17961, P330E (04), scheduling</b></p> <p><b>Diagnostic Status: No Diagnostics</b></p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 240D TO 260 D; BEFORE 01-JUL-2026:00:00:00</p> <p><i>Comments: All filters plus both grisms</i></p> <p><i>Orients changes from last cycle to avoid a faint contaminator.</i></p> <p><i>These are consistent with the updated orients in the IR grism flux monitor, program 17968.</i></p> <p><i>OLD=180-240, NEW=240,260</i></p>					
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>	
(2)		Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (9)	
(4)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=2 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false		(2), (3), (4), (5), (6), (7), (8), (10-15)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(4)	P330E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000	Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.70500008815725 mas/yr Parallax: 0.0022149" Epoch of Position: 2000	V=12.917	Reference Frame: ICRS
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>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.</i></p> <p><i>Category=CALIBRATION</i></p> <p><i>Description=[PHOTOMETRIC]</i></p>						

Proposal 17961 - P330E (04) - WFC3 IR Photometry

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F110W	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB64	F110W	SAMP-SEQ=RAPID ;	POS TARG 0,0 NSAMP=7	Pattern 2, Exps 1-1 in P330E (04) (2)	0.425418 Secs (0.851 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F140W	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F140W	SAMP-SEQ=RAPID ;	POS TARG -1.5,-1.5 NSAMP=7	Pattern 4, Exps 2-2 in P330E (04) (4)	0.788935 Secs (1.578 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F098M	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F098M	SAMP-SEQ=RAPID ;	POS TARG 2.2,2.2 NSAMP=8	Pattern 4, Exps 3-3 in P330E (04) (4)	0.90164 Secs (1.803 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F105W	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F105W	SAMP-SEQ=RAPID ;	POS TARG -3,2 NSAMP=6	Pattern 4, Exps 4-4 in P330E (04) (4)	0.67623 Secs (1.352 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F125W	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F125W	SAMP-SEQ=RAPID ;	POS TARG -4,-3 NSAMP=7	Pattern 4, Exps 5-5 in P330E (04) (4)	0.788935 Secs (1.578 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F160W	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ;	POS TARG -5,-1 NSAMP=10	Pattern 4, Exps 6-6 in P330E (04) (4)	1.12705 Secs (2.254 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F127M	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F127M	SAMP-SEQ=RAPID ;	POS TARG 5,3.5 NSAMP=8	Pattern 4, Exps 7-7 in P330E (04) (4)	2.22252 Secs (4.445 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F139M	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=RAPID ;	POS TARG -6,-6 NSAMP=8	Pattern 4, Exps 8-8 in P330E (04) (4)	2.22252 Secs (4.445 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F153M	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F153M	SAMP-SEQ=RAPID ;	POS TARG 6,6 NSAMP=10	Pattern 2, Exps 9-9 in P330E (04) (2)	2.77815 Secs (5.556 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F126N	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F126N	SAMP-SEQ=RAPID ;	POS TARG 4,-4 NSAMP=15	Pattern 4, Exps 10-15 in P330E (04) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F128N	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F128N	SAMP-SEQ=RAPID ;	POS TARG 4,-4 NSAMP=15	Pattern 4, Exps 10-15 in P330E (04) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F130N	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F130N	SAMP-SEQ=RAPID ;	POS TARG 4,-4 NSAMP=15	Pattern 4, Exps 10-15 in P330E (04) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F132N	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F132N	SAMP-SEQ=RAPID ;	POS TARG 4,-4 NSAMP=15	Pattern 4, Exps 10-15 in P330E (04) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
14	F164N	(4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F164N	SAMP-SEQ=RAPID ;	POS TARG 4,-4 NSAMP=15	Pattern 4, Exps 10-15 in P330E (04) (4)	4.167225 Secs (8.334 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	

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15	F167N (4) P330E	WFC3/IR, MULTIACCUM, IRSUB256	F167N	SAMP-SEQ=RAPID POS TARG 4,-4 ; NSAMP=15	Pattern 4, Exps 10-15 in P330E (04) (4)	4.167225 Secs (8.334 Secs)	
						[==>(Pattern 1)] [==>(Pattern 2)]	[1]
16	F153M -20, +0 (4) P330E	WFC3/IR, MULTIACCUM, GRISM1024	F153M	SAMP-SEQ=RAPID POS TARG -20,-0 ; NSAMP=1	Sequence 16-20 Non-Int in P330E (04)	2.932291 Secs (2.932 Secs)	
						[==>]	[1]
17	G141 -20, +0 (4) P330E	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=RAPID POS TARG -20,0 ; NSAMP=8	Sequence 16-20 Non-Int in P330E (04)	23.458328 Secs (23.458 Secs)	
						[==>]	[1]
18	F098M -20, +0 (4) P330E	WFC3/IR, MULTIACCUM, GRISM1024	F098M	SAMP-SEQ=RAPID POS TARG -20,-0 ; NSAMP=1	Sequence 16-20 Non-Int in P330E (04)	2.932291 Secs (2.932 Secs)	
						[==>]	[1]
19	G102 -20, +0 (4) P330E	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=RAPID POS TARG -20,0 ; NSAMP=11	Sequence 16-20 Non-Int in P330E (04)	32.255201 Secs (32.255 Secs)	
						[==>]	[1]
20	F139M -20, +0 (4) P330E	WFC3/IR, MULTIACCUM, GRISM1024	F139M	SAMP-SEQ=RAPID POS TARG -20,-0 ; NSAMP=1	Sequence 16-20 Non-Int in P330E (04)	2.932291 Secs (2.932 Secs)	
						[==>]	[1]

