17480 - The Turn-Down in the Baryonic Tully-Fisher Relation (BTFR)

Cycle: 31, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) AGC112503	ACS/WFC	1	09-Jan-2025 18:00:12.0	yes
02	(2) AGC124635	ACS/WFC	1	09-Jan-2025 18:00:13.0	yes
03	(3) AGC191706	ACS/WFC	1	09-Jan-2025 18:00:14.0	yes
04	(4) AGC198712	ACS/WFC	1	09-Jan-2025 18:00:14.0	yes
05	(5) AGC210220	ACS/WFC	1	09-Jan-2025 18:00:15.0	yes
06	(6) AGC210960	ACS/WFC	1	09-Jan-2025 18:00:15.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
07	(7) AGC215286	ACS/WFC	1	09-Jan-2025 18:00:15.0	yes
13	(7) AGC215286	ACS/WFC	1	09-Jan-2025 18:00:16.0	yes
08	(8) AGC215296	ACS/WFC	1	09-Jan-2025 18:00:16.0	yes
09	(9) AGC224312	ACS/WFC	1	09-Jan-2025 18:00:17.0	yes
10	(10) AGC229090	ACS/WFC	1	09-Jan-2025 18:00:17.0	yes
11	(11) AGC239141	ACS/WFC	1	09-Jan-2025 18:00:18.0	yes
12	(12) AGC732129	ACS/WFC	1	09-Jan-2025 18:00:18.0	yes

13 Total Orbits Used

ABSTRACT

The baryonic Tully-Fisher relationship (BTFR) is a correlation between the total baryonic mass in a galaxy and the maximum velocity of a galaxy's rotation curve (Vmax), which is a tracer of the halo mass. Simulations predict that this power-law relationship will show an inflection at low baryonic masses in the sense that low mass galaxies will have higher values of Vmax than predicted from an extrapolation from higher masses. This inflection is due to the lowest mass galaxies' inability to accrete and retain baryons.

A recent analysis of low mass galaxies has shown evidence in support of this inflection, but with only four galaxies in the critical regime below the inflection point where the prediction can truly be tested. We have identified twelve additional Local Volume galaxies with suitably low baryonic masses and high quality HI velocity fields. Including these galaxies in the analysis will quadruple the number of systems in the key daignostic part of the BTFR, and will fully characterize this putative inflection. However, because these galaxies are nearby and star-forming, their distances cannot be accurately determined from their radial velocities nor from surface brightness fluctuations, and accurate distances are critical to the analysis. Fortunately, the galaxies are close enough that the HST can provide distances from their red giant branch tips through observations of their resolved stars. This type of work can only be done with nearby galaxies and their distances can only be accurately measured with space-based observations.

OBSERVING DESCRIPTION

The observations included ACS/WFC imaging in the F606W and F814W filters. The data will be used to measure the distances to the systems from resolved stars (TRGB method) and characterize the stellar properites (star formation histories and metallicities) of the galaxies.

Each of the 12 targets will be observed for 1 orbit. We use a 5x5 pixel dither implemented using pos-targ (equivalent to the ACS WFC DITHER LINE pattern #14) to reject cosmic rays and handle hot pixels. The first pointing is executed with both filters in ACS. After the dither, the observations are then repeated. The exposure time per orbit is split roughly equally between the F606W and F814W filters.

Each visit is 1-orbit. We have place ORIENT constraints to ensure we maximum coverage of the stellar disk and prevent the galaxy centers from falling in the ACS chip gap, while avoiding nearby bright stars.

If HST has to operate on a reduced gyros with reduce field of regard, our current orient requirements may not schedulable. In this case, we could explore if any other orients are possible. We have chosen the submitted orients to maximize the number of scheduling days, but it is possible there are a few additional orients that are viable.

Visit

Proposal 17480, AGC112503 (01), completed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 225D TO 260 D

Fixed Targets

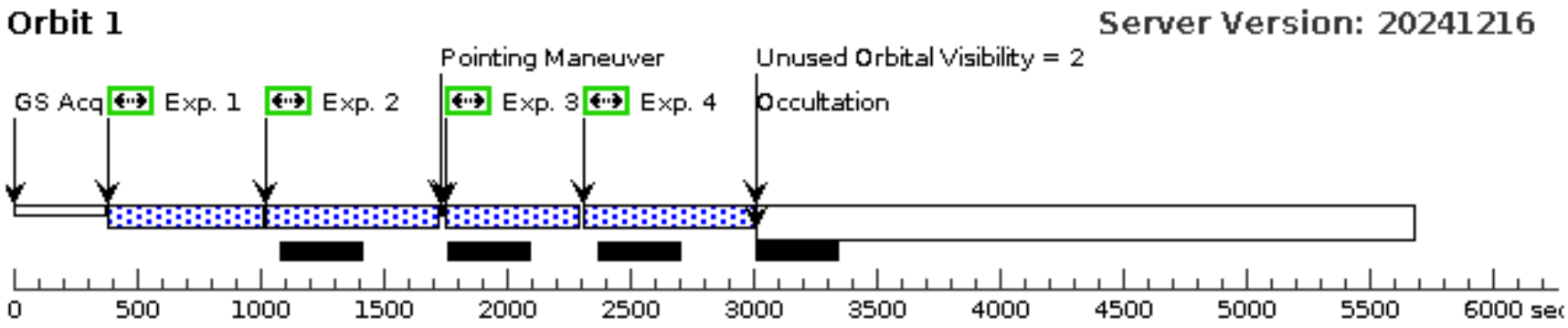
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	AGC112503	RA: 01 37 56.7692 (24.4865383d) Dec: +14 58 16.35 (14.97121d) Equinox: J2000	Epoch of Position: 2015.5	V=16	Reference Frame: SIMBAD

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC112503 -F606W-1	(1) AGC112503	ACS/WFC, ACCUM, WFC	F606W				450 Secs (420 Secs) *[==>420.0 Secs]*	 ***[1]***
2	AGC112503 -F814W-1	(1) AGC112503	ACS/WFC, ACCUM, WFC	F814W				550 Secs (520 Secs) *[==>520.0 Secs]*	 ***[1]***
3	AGC112503 -F814W-2	(1) AGC112503	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (420 Secs) *[==>420.0 Secs]*	 ***[1]***
4	AGC112503 -F606W-2	(1) AGC112503	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		539 Secs (509 Secs) *[==>509.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC124635 (02), completed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 252D TO 275 D

Fixed Targets

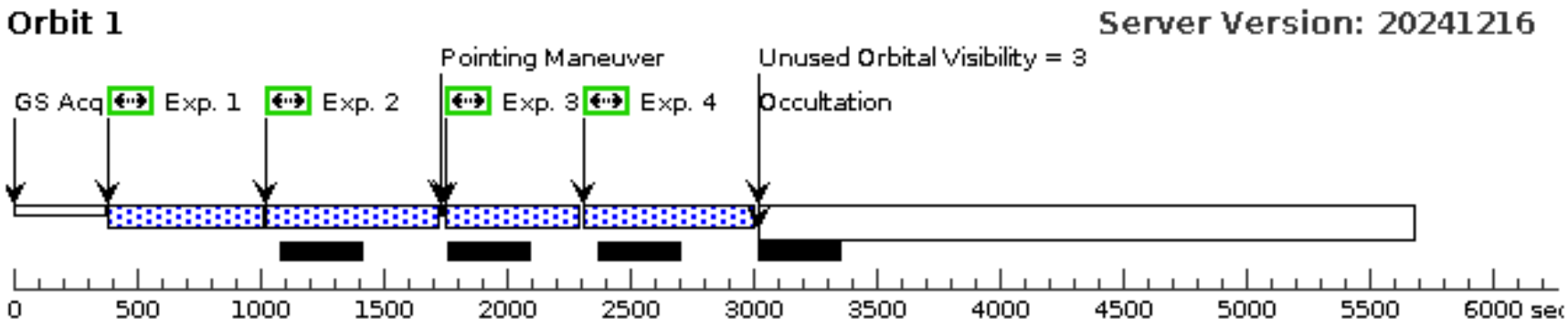
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	AGC124635	RA: 02 48 38.1386 (42.1589108d) Dec: +19 19 42.77 (19.32855d) Equinox: J2000	Epoch of Position: 2015.5	V=16	Reference Frame: SIMBAD

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC124635 -F606W-1	(2) AGC124635	ACS/WFC, ACCUM, WFC	F606W				450 Secs (421 Secs) *[==>421.0 Secs]*	 ***[1]***
2	AGC124635 -F814W-1	(2) AGC124635	ACS/WFC, ACCUM, WFC	F814W				550 Secs (521 Secs) *[==>521.0 Secs]*	 ***[1]***
3	AGC124635 -F814W-2	(2) AGC124635	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (421 Secs) *[==>421.0 Secs]*	 ***[1]***
4	AGC124635 -F606W-2	(2) AGC124635	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		542 Secs (513 Secs) *[==>513.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC191706 (03), completed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 90D TO 117 D

Diagnostics

(AGC191706 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

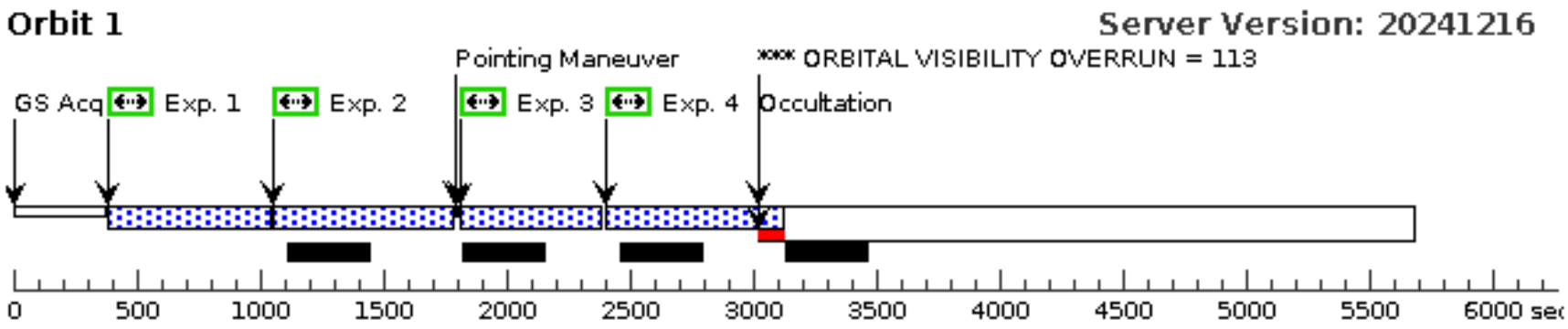
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	AGC191706	RA: 09 30 9.7939 (142.5408079d) Dec: +19 59 30.50 (19.99181d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC191706 -F606W-1	(3) AGC191706	ACS/WFC, ACCUM, WFC	F606W				450 Secs (450 Secs)	
								[==>]	***[1]***
2	AGC191706 -F814W-1	(3) AGC191706	ACS/WFC, ACCUM, WFC	F814W				550 Secs (550 Secs)	
								[==>]	***[1]***
3	AGC191706 -F814W-2	(3) AGC191706	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (450 Secs)	
								[==>]	***[1]***
4	AGC191706 -F606W-2	(3) AGC191706	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		542 Secs (542 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 17480, AGC198712 (04), completed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 126D TO 132 D

Diagnostics

(AGC198712 (04)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(AGC198712 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(AGC198712-F606W-1 (04.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

Fixed Targets

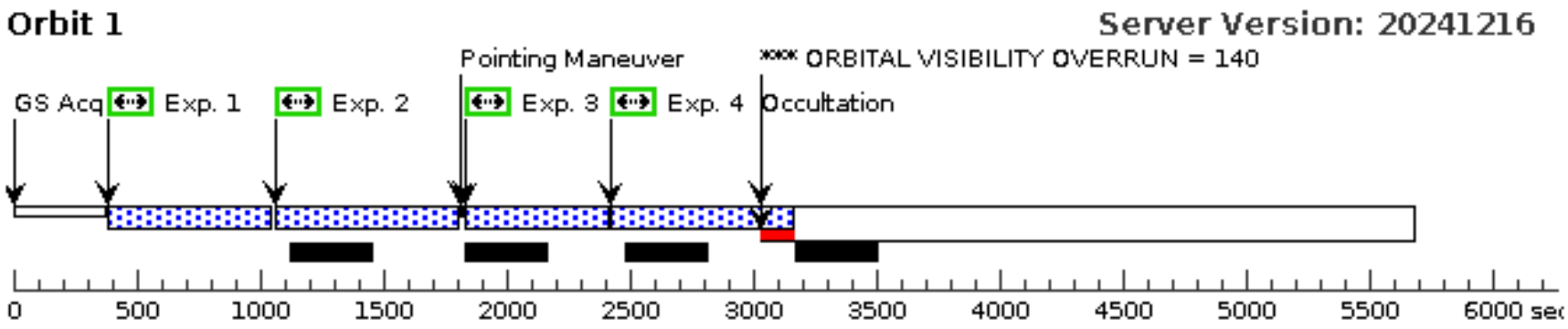
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	AGC198712	RA: 09 59 8.4766 (149.7853192d) Dec: +36 02 34.13 (36.04281d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC198712-F606W-1	(4) AGC198712	ACS/WFC, ACCUM, WFC	F606W		GS ACQ SCENARIO BASE1B3		457 Secs (457 Secs) *[==>]*	 ***[1]***
2	AGC198712-F814W-1	(4) AGC198712	ACS/WFC, ACCUM, WFC	F814W				557 Secs (557 Secs) *[==>]*	 ***[1]***
3	AGC198712-F814W-2	(4) AGC198712	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		458 Secs (458 Secs) *[==>]*	 ***[1]***
4	AGC198712-F606W-2	(4) AGC198712	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		560 Secs (560 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC210220 (05), completed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 294D TO 298 D

Fixed Targets

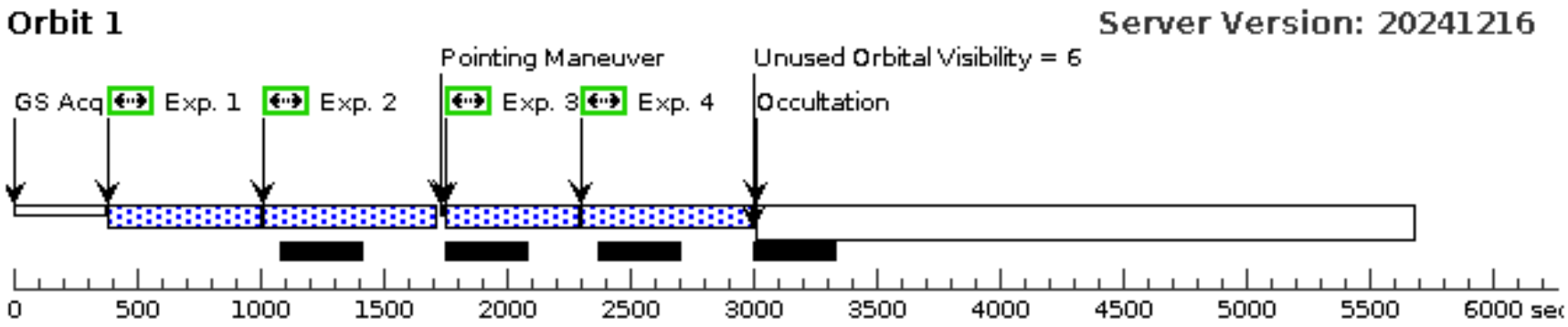
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	AGC210220	RA: 11 17 4.3809 (169.2682538d) Dec: +13 05 53.33 (13.09815d) Equinox: J2000	Epoch of Position: 2015.5	V=16	Reference Frame: SIMBAD

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC210220 -F606W-1	(5) AGC210220	ACS/WFC, ACCUM, WFC	F606W				450 Secs (419 Secs) *[==>419.0 Secs]*	 ***[1]***
2	AGC210220 -F814W-1	(5) AGC210220	ACS/WFC, ACCUM, WFC	F814W				550 Secs (519 Secs) *[==>519.0 Secs]*	 ***[1]***
3	AGC210220 -F814W-2	(5) AGC210220	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (419 Secs) *[==>419.0 Secs]*	 ***[1]***
4	AGC210220 -F606W-2	(5) AGC210220	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		539 Secs (508 Secs) *[==>508.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC210960 (06), scheduling Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 220D TO 247 D

Fixed Targets

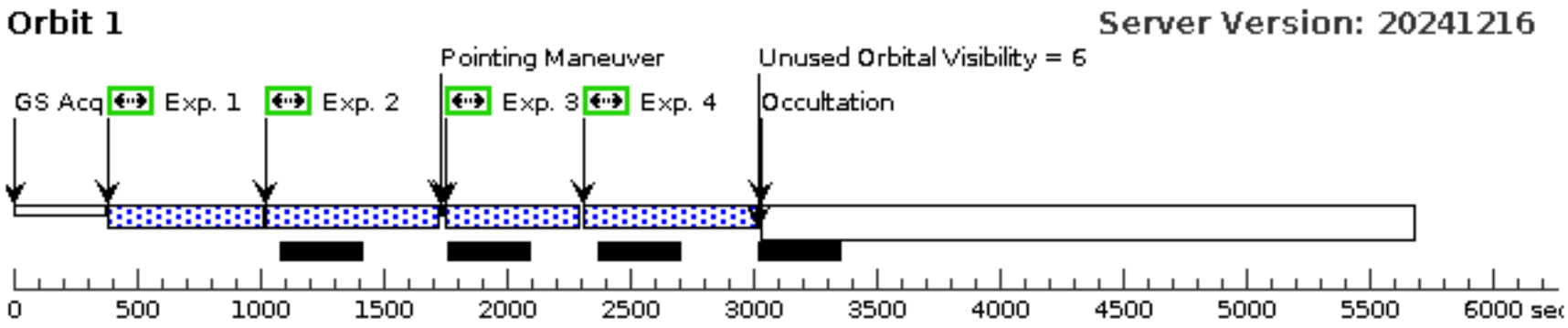
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	AGC210960	RA: 11 59 9.6564 (179.7902350d) Dec: +30 42 33.52 (30.70931d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC210960 -F606W-1	(6) AGC210960	ACS/WFC, ACCUM, WFC	F606W				453 Secs (421 Secs) *[==>421.0 Secs]*	 ***[1]***
2	AGC210960 -F814W-1	(6) AGC210960	ACS/WFC, ACCUM, WFC	F814W				553 Secs (521 Secs) *[==>521.0 Secs]*	 ***[1]***
3	AGC210960 -F814W-2	(6) AGC210960	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		453 Secs (421 Secs) *[==>421.0 Secs]*	 ***[1]***
4	AGC210960 -F606W-2	(6) AGC210960	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		553 Secs (521 Secs) *[==>521.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC215286 (07), failed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 265D TO 290 D

Fixed Targets

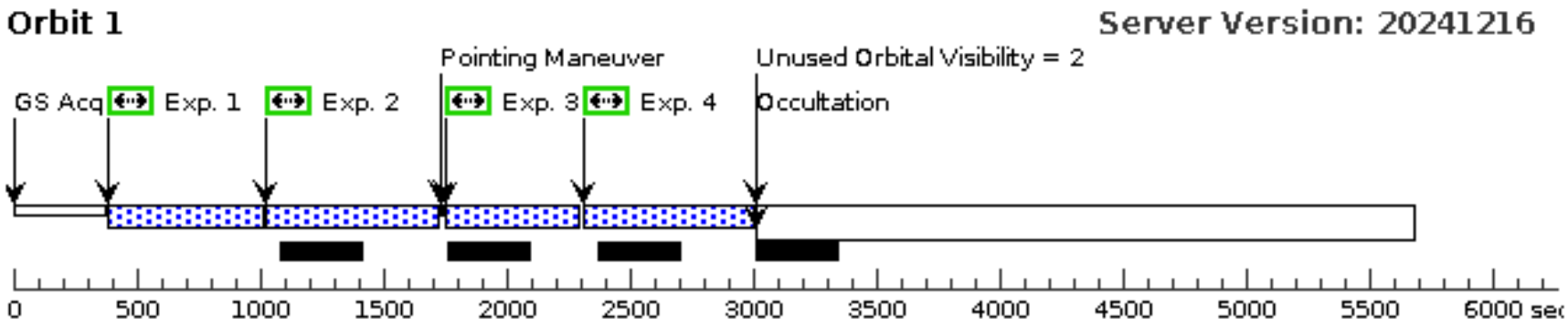
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	AGC215286	RA: 11 19 13.6237 (169.8067654d) Dec: +14 18 37.63 (14.31045d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC215286-F606W-1	(7) AGC215286	ACS/WFC, ACCUM, WFC	F606W				450 Secs (420 Secs) *[==>420.0 Secs]*	 ***[1]***
2	AGC215286-F814W-1	(7) AGC215286	ACS/WFC, ACCUM, WFC	F814W				550 Secs (520 Secs) *[==>520.0 Secs]*	 ***[1]***
3	AGC215286-F814W-2	(7) AGC215286	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (420 Secs) *[==>420.0 Secs]*	 ***[1]***
4	AGC215286-F606W-2	(7) AGC215286	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		539 Secs (509 Secs) *[==>509.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC215286 (13) Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 265D TO 290 D

Fixed Targets

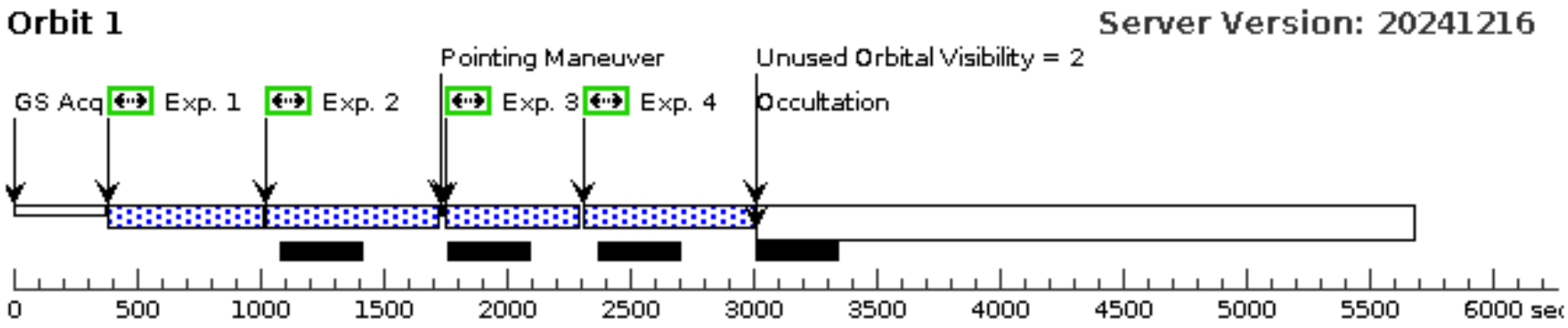
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	AGC215286	RA: 11 19 13.6237 (169.8067654d) Dec: +14 18 37.63 (14.31045d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC215286 -F606W-1	(7) AGC215286	ACS/WFC, ACCUM, WFC	F606W				450 Secs (420 Secs) *[==>420.0 Secs]*	 ***[1]***
2	AGC215286 -F814W-1	(7) AGC215286	ACS/WFC, ACCUM, WFC	F814W				550 Secs (520 Secs) *[==>520.0 Secs]*	 ***[1]***
3	AGC215286 -F814W-2	(7) AGC215286	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (420 Secs) *[==>420.0 Secs]*	 ***[1]***
4	AGC215286 -F606W-2	(7) AGC215286	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		539 Secs (509 Secs) *[==>509.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC215296 (08), completed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 90D TO 140 D

Diagnostics

(AGC215296 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

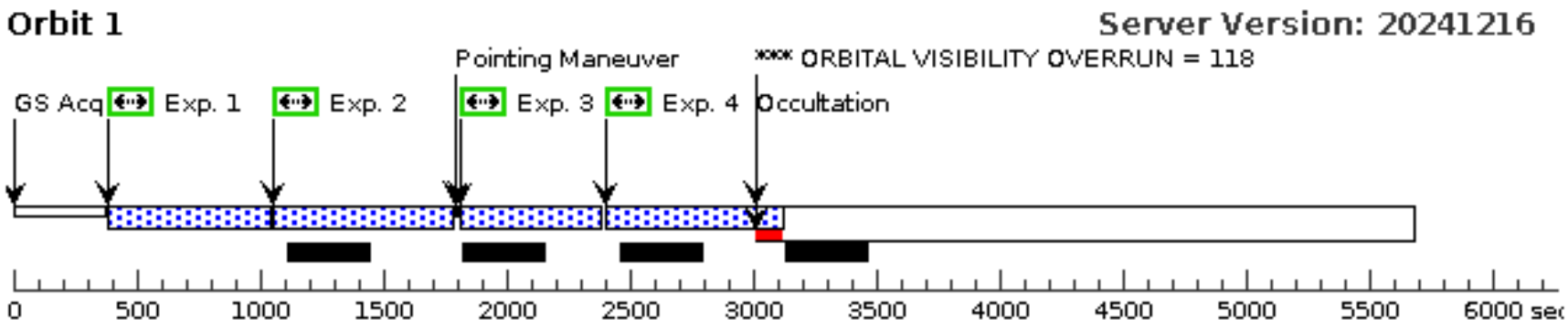
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	AGC215296	RA: 11 26 52.3885 (171.7182854d) Dec: +14 50 12.21 (14.83673d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC215296-F606W-1	(8) AGC215296	ACS/WFC, ACCUM, WFC	F606W				450 Secs (450 Secs)	
								[==>]	***[1]***
2	AGC215296-F814W-1	(8) AGC215296	ACS/WFC, ACCUM, WFC	F814W				550 Secs (550 Secs)	
								[==>]	***[1]***
3	AGC215296-F814W-2	(8) AGC215296	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (450 Secs)	
								[==>]	***[1]***
4	AGC215296-F606W-2	(8) AGC215296	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		539 Secs (539 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 17480, AGC224312 (09), completed Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 280D TO 310 D

Fixed Targets

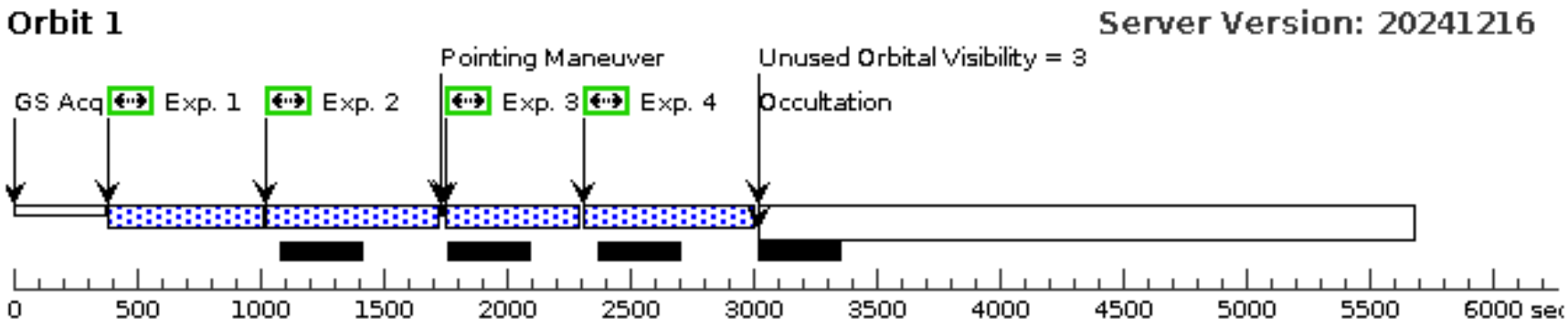
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	AGC224312	RA: 12 07 26.7032 (181.8612633d) Dec: +18 41 28.40 (18.69122d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC224312-F606W-1	(9) AGC224312	ACS/WFC, ACCUM, WFC	F606W				450 Secs (421 Secs) *[==>421.0 Secs]*	 ***[1]***
2	AGC224312-F814W-1	(9) AGC224312	ACS/WFC, ACCUM, WFC	F814W				550 Secs (521 Secs) *[==>521.0 Secs]*	 ***[1]***
3	AGC224312-F814W-2	(9) AGC224312	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (421 Secs) *[==>421.0 Secs]*	 ***[1]***
4	AGC224312-F606W-2	(9) AGC224312	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		542 Secs (513 Secs) *[==>513.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC229090 (10), scheduling Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 229D TO 232 D

Fixed Targets

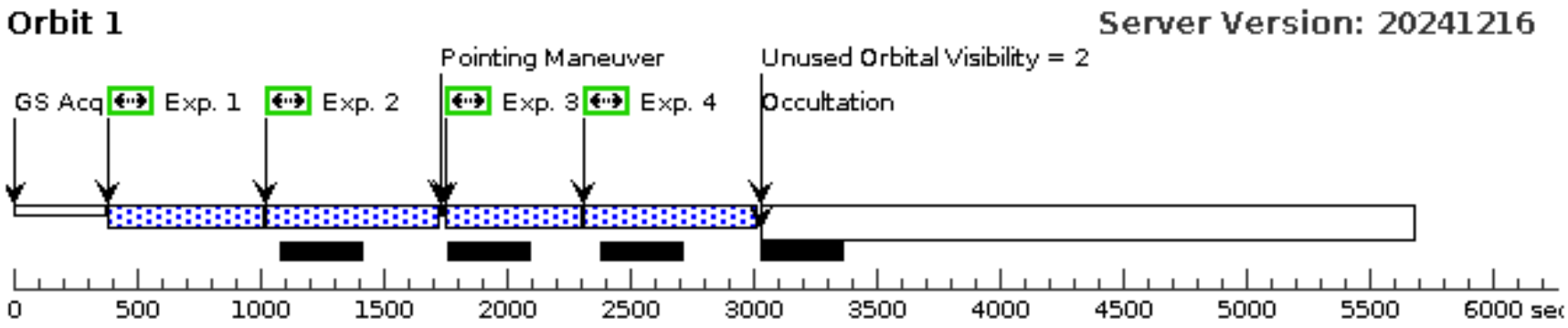
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	AGC229090	RA: 12 36 46.8360 (189.1951500d) Dec: +33 36 47.93 (33.61331d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC229090-F606W-1	(10) AGC229090	ACS/WFC, ACCUM, WFC	F606W				453 Secs (422 Secs) *[==>422.0 Secs]*	 ***[1]***
2	AGC229090-F814W-1	(10) AGC229090	ACS/WFC, ACCUM, WFC	F814W				553 Secs (522 Secs) *[==>522.0 Secs]*	 ***[1]***
3	AGC229090-F814W-2	(10) AGC229090	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		453 Secs (422 Secs) *[==>422.0 Secs]*	 ***[1]***
4	AGC229090-F606W-2	(10) AGC229090	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		553 Secs (522 Secs) *[==>522.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC239141 (11), scheduled Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: ORIENT 246D TO 296 D

Fixed Targets

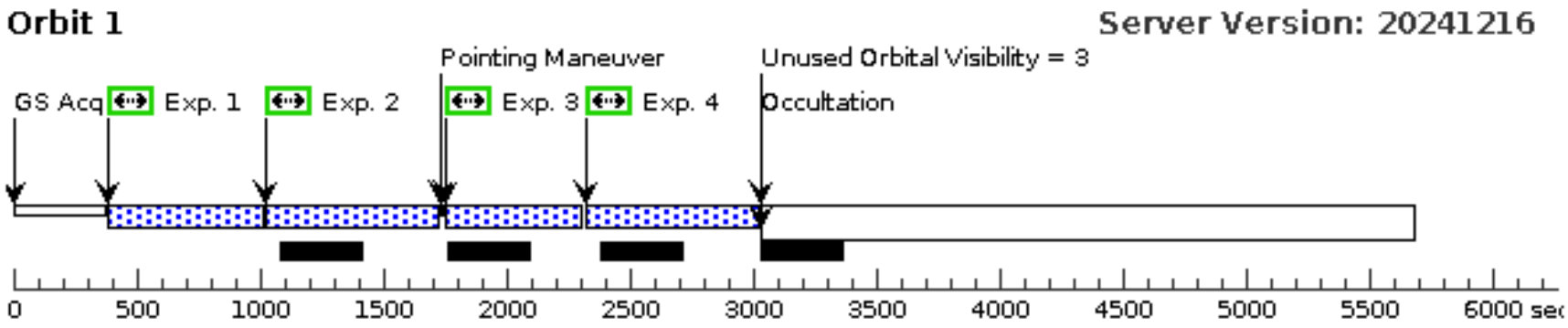
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	AGC239141	RA: 13 17 36.3594 (199.4014975d) Dec: +35 27 57.51 (35.46598d) Equinox: J2000	Epoch of Position: 2015.5	V=16	Reference Frame: SIMBAD

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC239141 -F606W-1	(11) AGC239141	ACS/WFC, ACCUM, WFC	F606W				458 Secs (423 Secs) *[==>423.0 Secs]*	 ***[1]***
2	AGC239141 -F814W-1	(11) AGC239141	ACS/WFC, ACCUM, WFC	F814W				558 Secs (523 Secs) *[==>523.0 Secs]*	 ***[1]***
3	AGC239141 -F814W-2	(11) AGC239141	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		458 Secs (423 Secs) *[==>423.0 Secs]*	 ***[1]***
4	AGC239141 -F606W-2	(11) AGC239141	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		558 Secs (523 Secs) *[==>523.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 17480, AGC732129 (12), implementation Thu Jan 09 23:00:19 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/WFC

Special Requirements: SCHED 100%; ORIENT 100D TO 150 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	AGC732129	RA: 12 27 23.2937 (186.8470571d) Dec: +27 50 51.61 (27.84767d) Equinox: J2000		V=16	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[AMORPHOUS IRREGULAR]

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	AGC732129 -F606W-1	(12) AGC732129	ACS/WFC, ACCUM, WFC	F606W				450 Secs (392 Secs) *[==>392.0 Secs]*	 ***[1]***
2	AGC732129 -F814W-1	(12) AGC732129	ACS/WFC, ACCUM, WFC	F814W				550 Secs (492 Secs) *[==>492.0 Secs]*	 ***[1]***
3	AGC732129 -F814W-2	(12) AGC732129	ACS/WFC, ACCUM, WFC	F814W		POS TARG 0.247,0.267		450 Secs (392 Secs) *[==>392.0 Secs]*	 ***[1]***
4	AGC732129 -F606W-2	(12) AGC732129	ACS/WFC, ACCUM, WFC	F606W		SAME POS AS 3		547 Secs (490 Secs) *[==>490.0 Secs]*	 ***[1]***

Orbit Structure