



18406 - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Cycle: 34, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Dr. David Nidever (CoI)	Montana State University - Bozeman
Rosemary Wyse (CoI)	The Johns Hopkins University

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	(4) M31-BULGE-PHAT-BRICK-01-EAST	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:17.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
02	(4) M31-BULGE-PHAT-BRICK-01-EAST	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:18.0	yes
03	(4) M31-BULGE-PHAT-BRICK-01-EAST ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:19.0	yes
04	(4) M31-BULGE-PHAT-BRICK-01-EAST	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:19.0	yes
05	(4) M31-BULGE-PHAT-BRICK-01-EAST	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:20.0	yes
06	(4) M31-BULGE-PHAT-BRICK-01-EAST ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:20.0	yes
07	(3) SANFORD-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:21.0	yes
08	(3) SANFORD-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:21.0	yes
09	(3) SANFORD-WINDOW ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:22.0	yes
10	(3) SANFORD-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:23.0	yes
11	(3) SANFORD-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:23.0	yes
12	(3) SANFORD-WINDOW ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:24.0	yes
13	(2) MACKERETH-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:25.0	yes
14	(2) MACKERETH-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:25.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
15	(2) MACKERETH-WINDOW ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:26.0	yes
16	(2) MACKERETH-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:26.0	yes
17	(2) MACKERETH-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:27.0	yes
18	(2) MACKERETH-WINDOW ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:27.0	yes
19	(1) NIDEVER-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:28.0	yes
20	(1) NIDEVER-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:29.0	yes
21	(1) NIDEVER-WINDOW ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:29.0	yes
22	(1) NIDEVER-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:30.0	yes
23	(1) NIDEVER-WINDOW ANY	ACS/WFC WFC3/UVIS	2	13-Aug-2026 13:00:31.0	yes
24	(1) NIDEVER-WINDOW ANY	ACS/WFC WFC3/UVIS	1	13-Aug-2026 13:00:31.0	yes

40 Total Orbits Used

ABSTRACT

The bimodal distribution of stars in the $[\alpha/\text{Fe}]$ - $[\text{Fe}/\text{H}]$ plane of the Milky Way is among the most debated signatures in Galactic archaeology, separating an old, α -enhanced thick disk from a younger, α -poor thin disk. Whether this bimodality is a peculiarity of our Galaxy or a generic feature of large disk galaxies remains unknown. Simulations disagree sharply, and no comparable galaxy has been studied with sufficient sample size and chemical resolution to arbitrate. Andromeda (M31) is the nearest galaxy where this can be resolved observationally.

We propose HST imaging in F390W+F606W toward four fields spanning M31's bulge and disk. These sightlines are selected to overlap archival JWST imaging and spectroscopy, and to trace Andromeda's chemical enrichment with galactocentric radius. The F390W filter, situated where iron-peak line blanketing dramatically suppresses stellar flux relative to alpha-element opacity, provides sensitivity to $[\text{Fe}/\text{H}]$ independently of bulk metallicity, breaking the degeneracy limiting optical or infrared photometry. Combined with archival JWST/NIRCam and HST photometry, fitting the spectral energy distributions will yield joint $[\text{Fe}/\text{H}]$ and $[\alpha/\text{Fe}]$ posteriors for $\sim 100,000$ red giants, the largest chemically-resolved stellar sample ever assembled beyond the Milky Way. Spectra from archival JWST/NIRSpec programs provide ~ 300 -star validation samples. As byproducts, the survey yields a precise M31 extinction curve and targeting diagnostics for future campaigns.

This method can be applied to a handful of large, nearby galaxies (e.g. M33, NGC 300), and eventually dozens more with the Habitable Worlds Observatory's ultraviolet capabilities.

OBSERVING DESCRIPTION

Four fields of Andromeda's disk are observed in primary + parallel. These fields are called (from outer to inner disk) Nidever's window, Mackereth's window, Sanford's window, and M31-BULGE-PHAT-BRICK-01-EAST. The first three fields are named after the PIs that got JWST-GO programs (2609, 2301, 4735) approved toward these fields, where they obtained both NIRCam and NIRSpec data. The fourth field is named after the PHAT brick (PI: Dalcanton) on which it is located, and will be the subject of coordinated JWST observations approved with this program (JWST-GO-12720).

For each field, the aim is to align the primary WFC3 observations (F390W and F606W) with the JWST data. There are 10 orbits for each field, of which 8 go to F390W observations, and 2 go to F606W observations. These are in turn split into two subsets, totalling 3 visits and 5 orbits total, where the two subsets are offset by a small shift of 30 arcseconds in each of RA and DEC, and an orient angle shift of between 20 and 180 degrees. That offset and orient angle shift is to help account for detector artefacts such as CTE. The overlap of approximately 70% will produce deeper, more precise imaging in F390W.

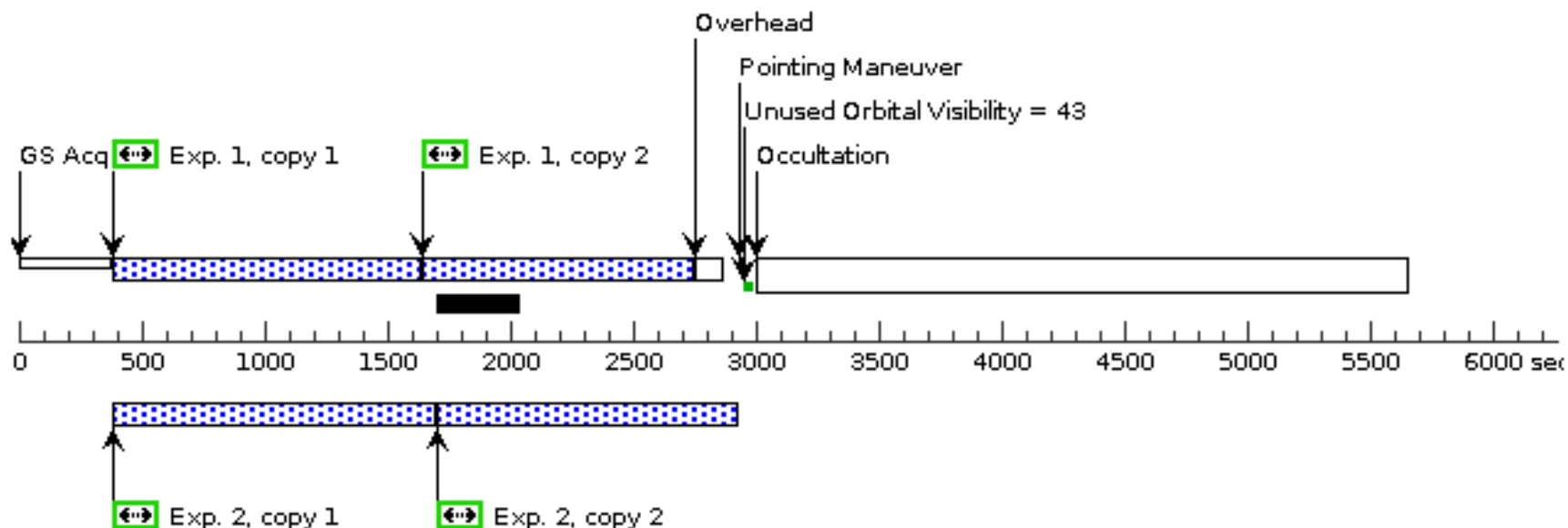
The parallel observations are taken with ACS. At 10 orbits per field, there are 4 orbits associated with F435W, 4 orbits associated with F625W, and 2 orbits associated with F555W. These were discussed in the proposal as having two uses: legacy value as these are filters that were not imaged with the Panchromatic Hubble Andromeda Treasury, and also to help study the extinction curve in Andromeda.

Proposal 18406 - M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01) - Measuring Andromeda's Alpha-Element Enrichment in 1...

Visit	Proposal 18406, M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01)								Thu Aug 13 17:00:31 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: ORIENT 190D TO 260 D									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	M31-BULGE-PHAT-BRICK-01-EAST	RA: 00 43 0.0000 (10.7500000d) Dec: +41 14 24.00 (41.24000d) Equinox: J2000			V=23+/-2		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DISK]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) M31-BULGE-PHAT-BRICK-01-EAST	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7		Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	2		(4) M31-BULGE-PHAT-BRICK-01-EAST	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		(4) M31-BULGE-PHAT-BRICK-01-EAST	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.158,0.070	Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4		(4) M31-BULGE-PHAT-BRICK-01-EAST	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit1_F390W (01)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]

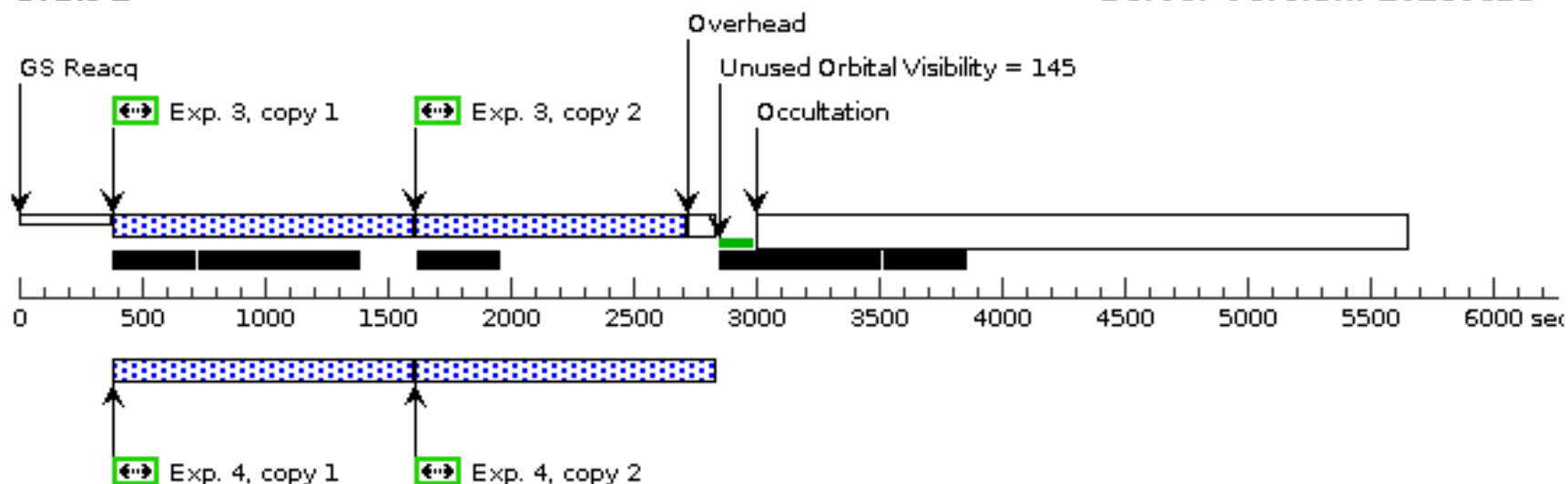
Orbit 1

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Orbit 2

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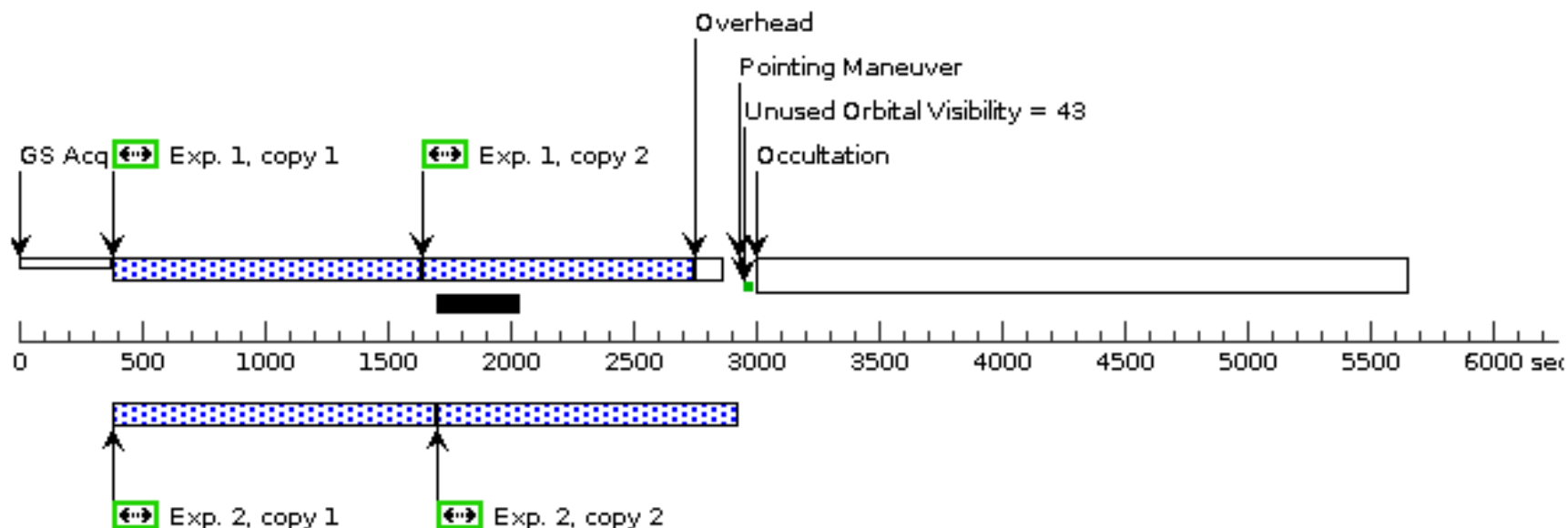


Proposal 18406 - M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02) - Measuring Andromeda's Alpha-Element Enrichment in 1...

Visit	Proposal 18406, M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02)								Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SAME ORIENT AS 01									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	M31-BULGE-PHAT-BRICK-01-EAST	RA: 00 43 0.0000 (10.7500000d) Dec: +41 14 24.00 (41.24000d) Equinox: J2000			V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) M31-BULGE-PH AT-BRICK-01-EAS T	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG -0.06,0.095	Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	2		(4) M31-BULGE-PH AT-BRICK-01-EAS T	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		(4) M31-BULGE-PH AT-BRICK-01-EAS T	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.099,0.165	Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4		(4) M31-BULGE-PH AT-BRICK-01-EAS T	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit2_F390W (02)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]

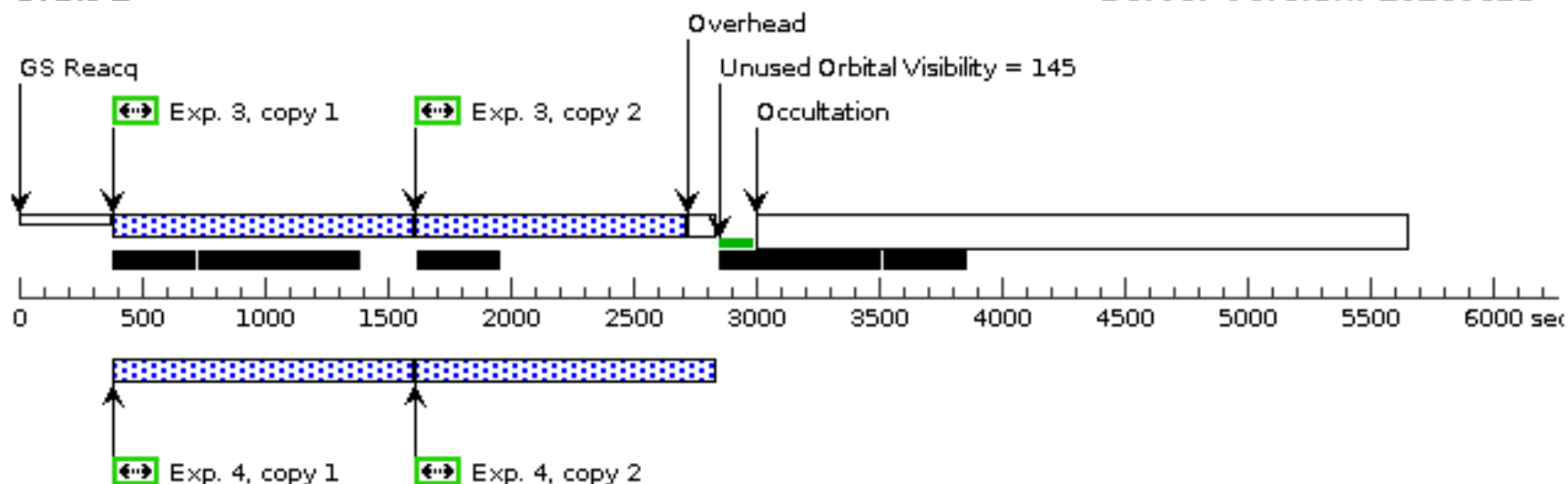
Orbit 1

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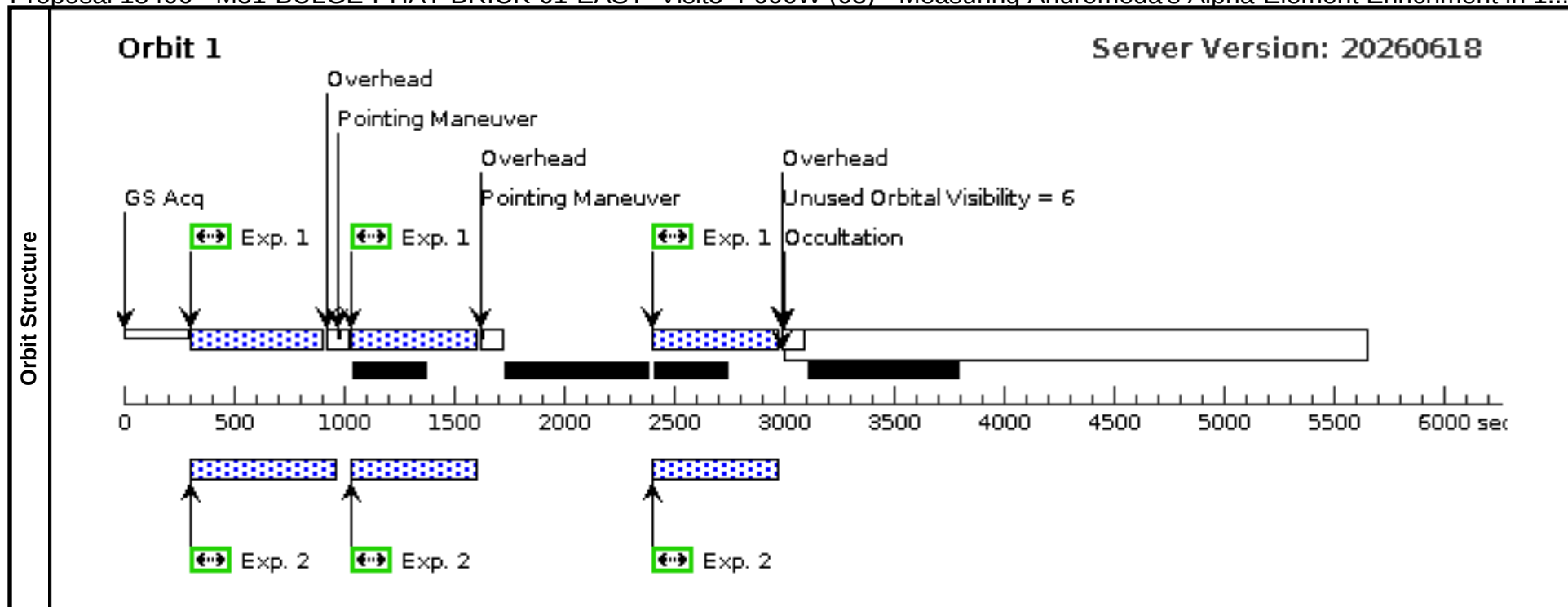
Orbit 2

Server Version: 20260618



Proposal 18406 - M31-BULGE-PHAT-BRICK-01-EAST Visit3 F606W (03) - Measuring Andromeda's Alpha-Element Enrichment in 1...

Visit	Proposal 18406, M31-BULGE-PHAT-BRICK-01-EAST_Visit3_F606W (03)										Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: SAME ORIENT AS 01										
Comments: Does three-line in WFC3/F606W and ACS/F555W											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	M31-BULGE-PHAT-BRICK-01-EAST	RA: 00 43 0.0000 (10.7500000d) Dec: +41 14 24.00 (41.24000d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) M31-BULGE-PHAT-BRICK-01-EAST	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W			Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit3_F606W (03) (3) Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit3_F606W (03)	575 Secs (1725 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F555W			Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit3_F606W (03) (3) Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit3_F606W (03)	450 Secs (1350 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

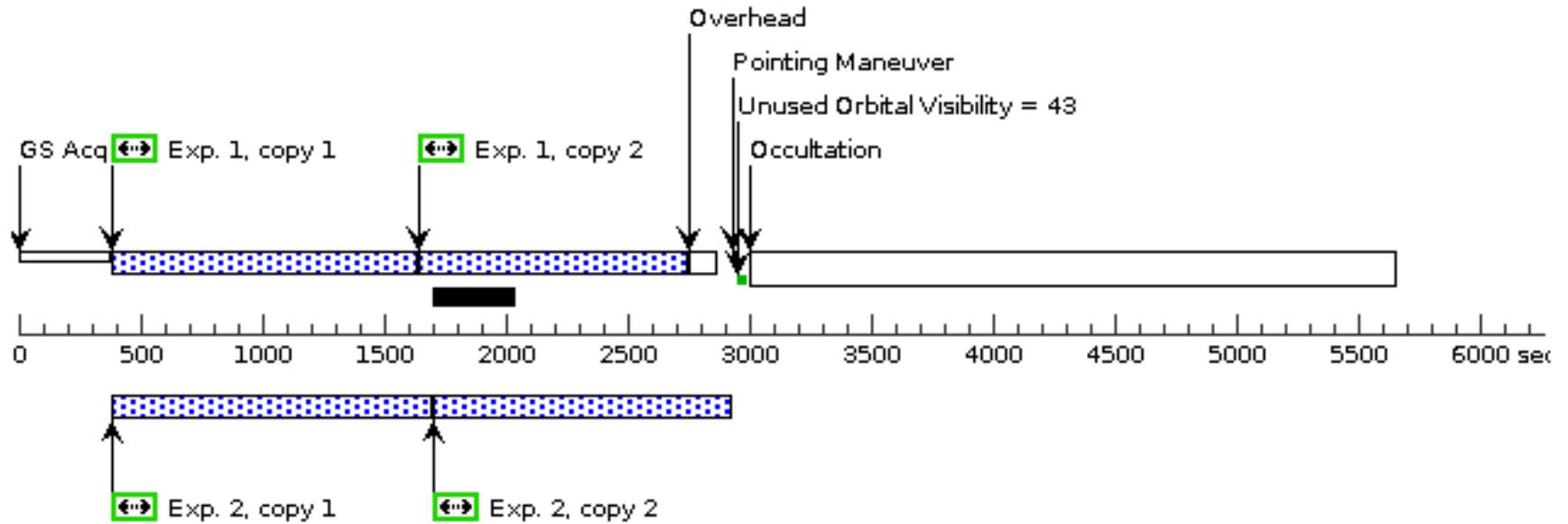


Proposal 18406 - M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 R...

Visit	Proposal 18406, M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)									Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: ORIENT -180D TO -20D FROM 01									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous	
	(4)	M31-BULGE-PHAT-BRICK-01-EAST	RA: 00 43 0.0000 (10.7500000d) Dec: +41 14 24.00 (41.24000d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS	
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30,-30	Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	2		(4) M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		(4) M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.158,-29.93	Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4		(4) M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit4 (04)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]

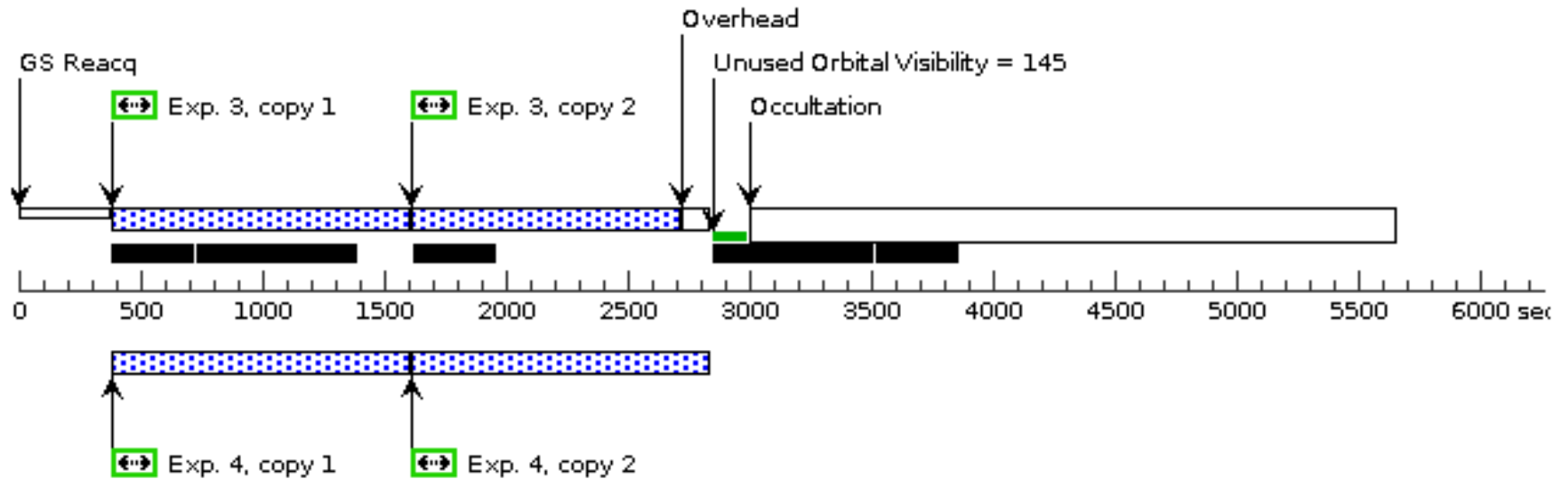
Orbit 1

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Orbit 2

Server Version: 20260618

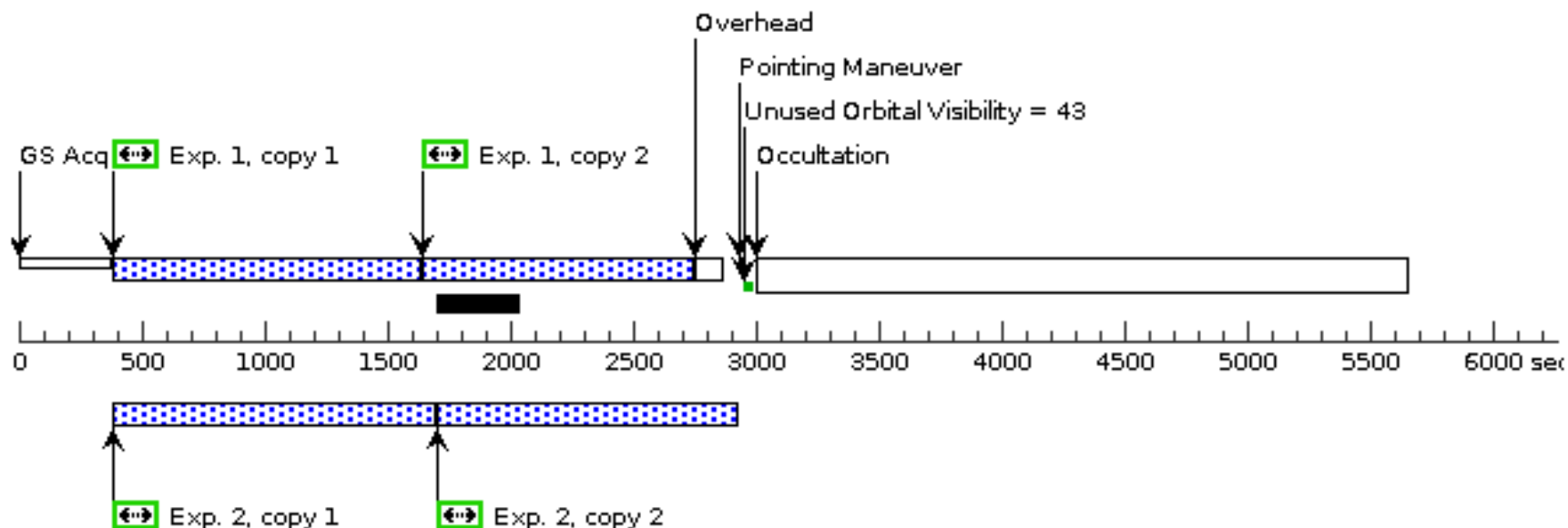


Proposal 18406 - M31-BULGE-PHAT-BRICK-01-EAST_Visit5_F390W (05) - Measuring Andromeda's Alpha-Element Enrichment in 1...

Visit	Proposal 18406, M31-BULGE-PHAT-BRICK-01-EAST_Visit5_F390W (05)								Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SAME ORIENT AS 04									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit5_F390W (05))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in M31-BULGE-PHAT-BRICK-01-EAST_Visit5_F390W (05))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(4)	M31-BULGE-PHAT-BRICK-01-EAST	RA: 00 43 0.0000 (10.7500000d) Dec: +41 14 24.00 (41.24000d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS	
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) M31-BULGE-PH AT-BRICK-01-EAS T	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 29.94,-2 9.905	Prime + Parallel Gro up 1-2 in M31-BUL GE-PHAT-BRICK-0 1-EAST_Visit5_F39 0W (05)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	2		(4) M31-BULGE-PH AT-BRICK-01-EAS T	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Gro up 1-2 in M31-BUL GE-PHAT-BRICK-0 1-EAST_Visit5_F39 0W (05)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		(4) M31-BULGE-PH AT-BRICK-01-EAS T	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.099,- 29.835	Prime + Parallel Gro up 3-4 in M31-BUL GE-PHAT-BRICK-0 1-EAST_Visit5_F39 0W (05)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4		(4) M31-BULGE-PH AT-BRICK-01-EAS T	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Gro up 3-4 in M31-BUL GE-PHAT-BRICK-0 1-EAST_Visit5_F39 0W (05)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]

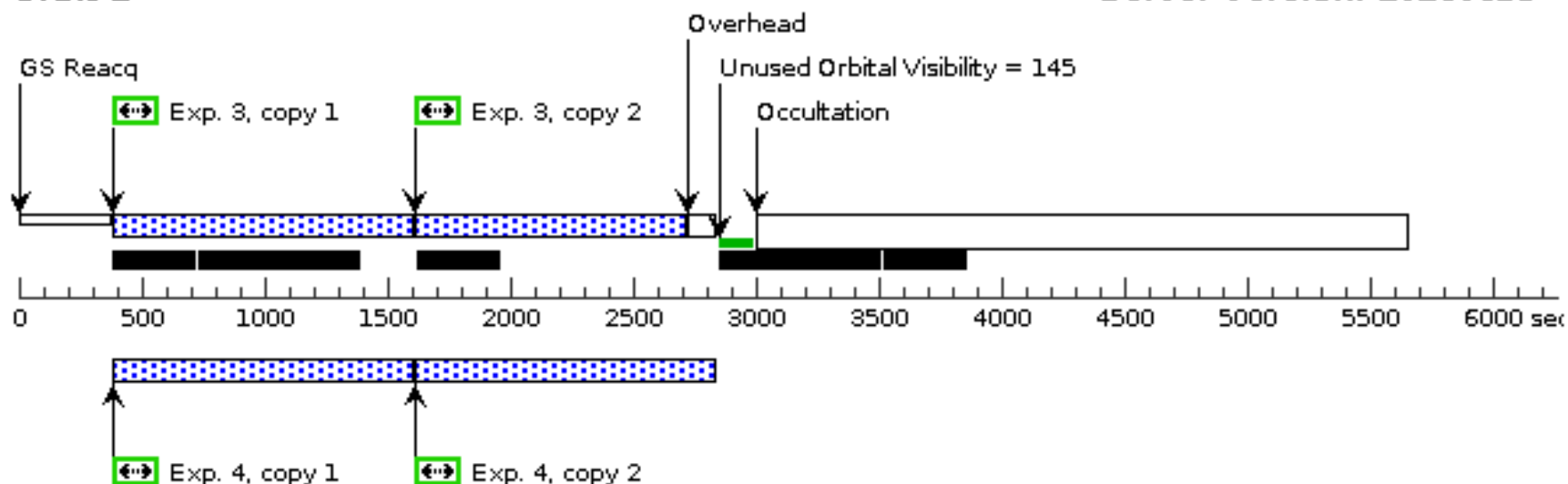
Orbit 1

Server Version: 20260618



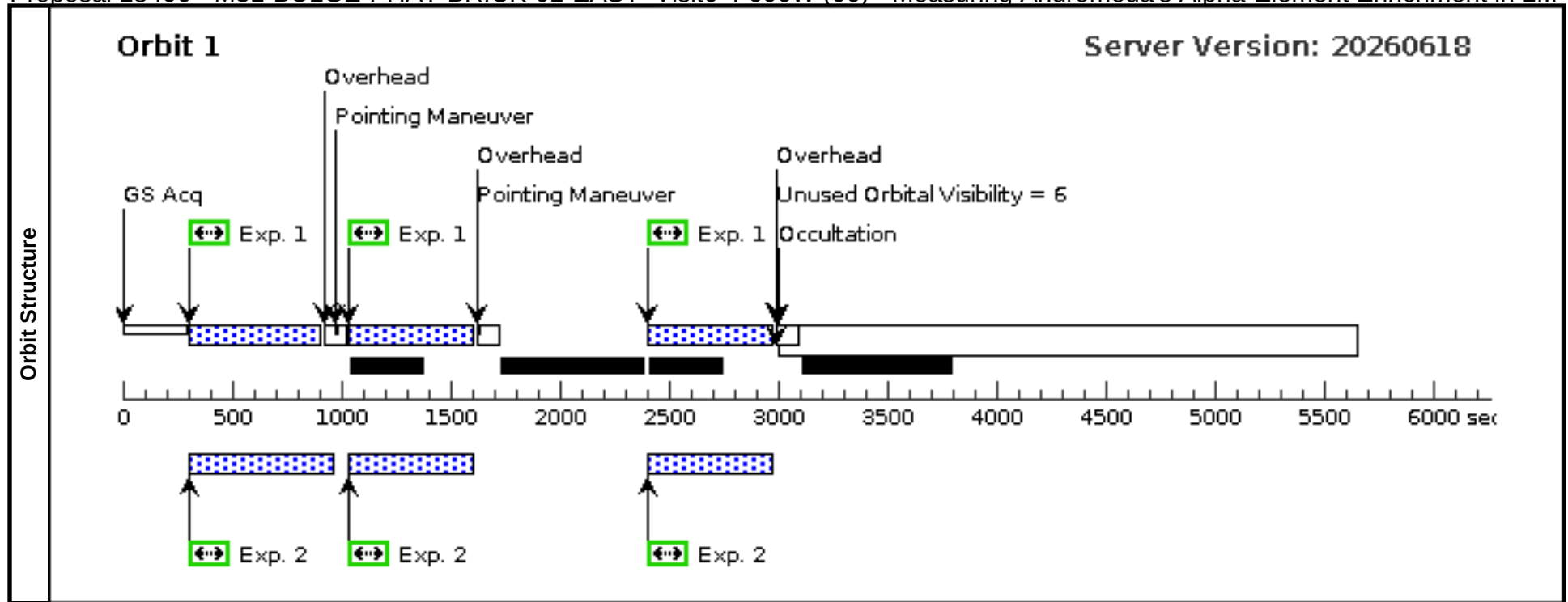
Orbit 2

Server Version: 20260618



Proposal 18406 - M31-BULGE-PHAT-BRICK-01-EAST Visit6 F606W (06) - Measuring Andromeda's Alpha-Element Enrichment in 1...

Visit	Proposal 18406, M31-BULGE-PHAT-BRICK-01-EAST_Visit6_F606W (06)										Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: SAME ORIENT AS 04										
Comments: Does three-line in WFC3/F606W and ACS/F555W											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE		Coordinate Frame=POS-TARG						(1-2)	
Purpose=DITHER		Pattern Orientation=46.84									
Number Of Points=3		Angle Between Sides=									
Point Spacing=0.145		Center Pattern=false									
Line Spacing=											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	M31-BULGE-PHAT-BRICK-01-EAST	RA: 00 43 0.0000 (10.7500000d)				V=23+/-2		Reference Frame: ICRS		
	Dec: +41 14 24.00 (41.24000d)										
Equinox: J2000											
Comments:											
Category=GALAXY											
Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) M31-BULGE-PHAT-BRICK-01-EAST	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 30,-30	Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit6_F606W (06) (3)	575 Secs (1725 Secs)		[1]
								Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit6_F606W (06)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		
2	ANY	ACS/WFC, ACCUM, WFC	F555W				Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit6_F606W (06) (3)	450 Secs (1350 Secs)		[1]	
							Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in M31-BULGE-PHAT-BRICK-01-EAST_Visit6_F606W (06)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]			

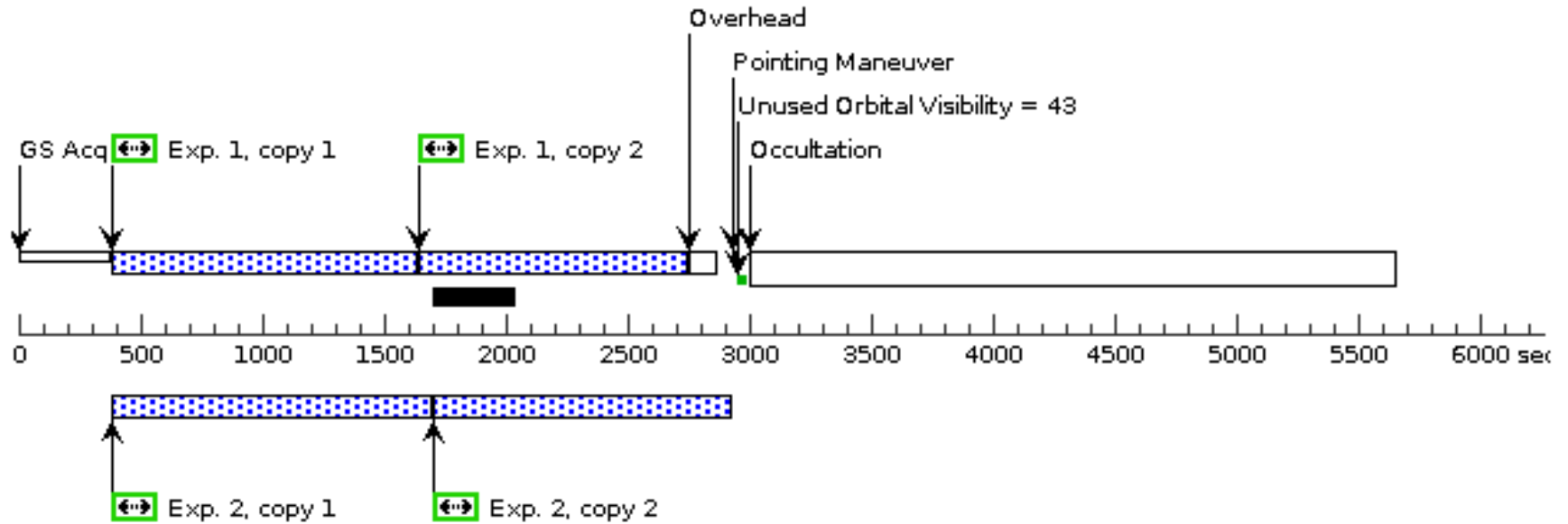


Proposal 18406 - SanfordWindow_Visit1_F390W (07) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, SanfordWindow_Visit1_F390W (07)										Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: ORIENT 190D TO 260 D										
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2											
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in SanfordWindow_Visit1_F390W (07))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser										
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in SanfordWindow_Visit1_F390W (07))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(3)	SANFORD-WINDOW	RA: 00 43 51.0310 (10.9626292d) Dec: +41 30 37.81 (41.51050d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7		Prime + Parallel Group 1-2 in SanfordWindow_Visit1_F390W (07)	1100 Secs X 2 (2200 Secs)		
									[==>(Copy 1)]		
									[==>(Copy 2)]	[1]	
	2		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in SanfordWindow_Visit1_F390W (07)	1100 Secs X 2 (2200 Secs)		
									[==>(Copy 1)]		
								[==>(Copy 2)]	[1]		
3		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.158,0.070	Prime + Parallel Group 3-4 in SanfordWindow_Visit1_F390W (07)	1100 Secs X 2 (2200 Secs)			
								[==>(Copy 1)]			
								[==>(Copy 2)]	[2]		
4		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 3-4 in SanfordWindow_Visit1_F390W (07)	1100 Secs X 2 (2200 Secs)			
								[==>(Copy 1)]			
								[==>(Copy 2)]	[2]		

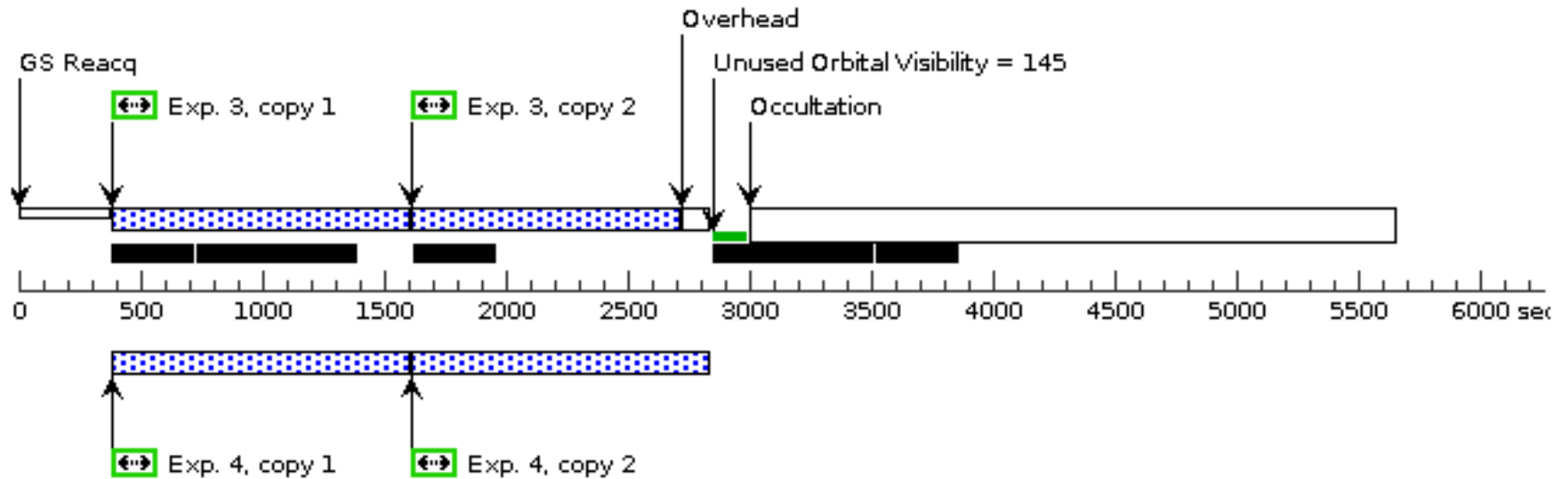
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

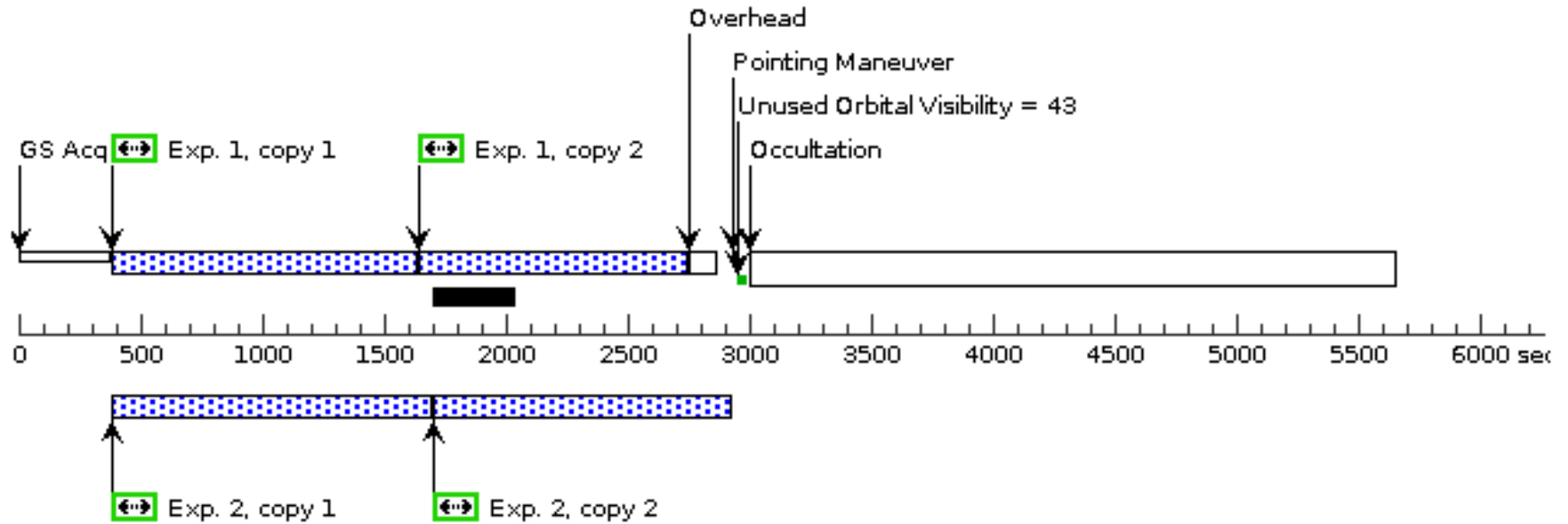


Proposal 18406 - SanfordWindow_Visit2_F390W (08) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, SanfordWindow_Visit2_F390W (08)									Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SAME ORIENT AS 07									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in SanfordWindow_Visit2_F390W (08))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in SanfordWindow_Visit2_F390W (08))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SANFORD-WINDOW	RA: 00 43 51.0310 (10.9626292d) Dec: +41 30 37.81 (41.51050d) Equinox: J2000			V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG -0.06,0.095	Prime + Parallel Group 1-2 in SanfordWindow_Visit2_F390W (08)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in SanfordWindow_Visit2_F390W (08)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.099,0.165	Prime + Parallel Group 3-4 in SanfordWindow_Visit2_F390W (08)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in SanfordWindow_Visit2_F390W (08)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]

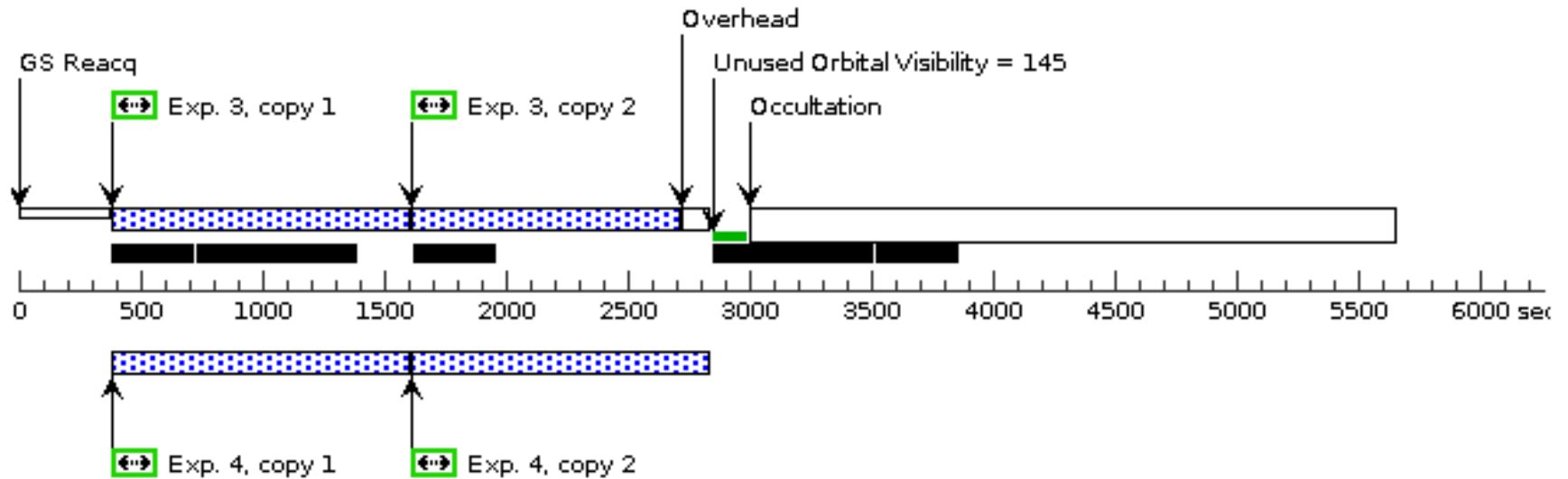
Orbit 1

Server Version: 20260618



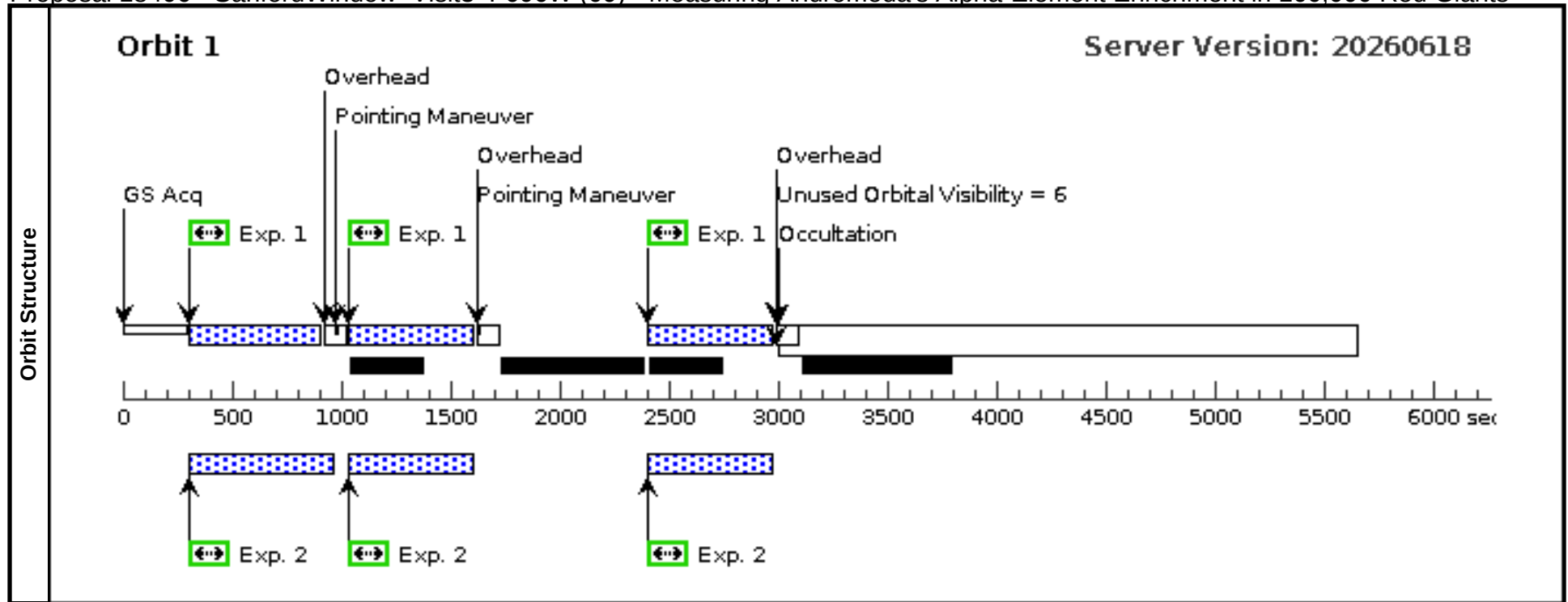
Orbit 2

Server Version: 20260618



Proposal 18406 - SanfordWindow Visit3 F606W (09) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, SanfordWindow_Visit3_F606W (09)										Thu Aug 13 17:00:32 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS, ACS/WFC												
	Special Requirements: SAME ORIENT AS 07												
	Comments: Does three-line in WFC3/F606W and ACS/F555W												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1-2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	SANFORD-WINDOW		RA: 00 43 51.0310 (10.9626292d) Dec: +41 30 37.81 (41.51050d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DISK]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER		F606W			Pattern 3, Exps 1-2 in SanfordWindow_Visit3_F606W (09) (3)	575 Secs (1725 Secs)			
									Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in SanfordWindow_Visit3_F606W (09)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	2		ANY	ACS/WFC, ACCUM, WFC		F555W			Pattern 3, Exps 1-2 in SanfordWindow_Visit3_F606W (09) (3)	450 Secs (1350 Secs)			
									Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in SanfordWindow_Visit3_F606W (09)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	

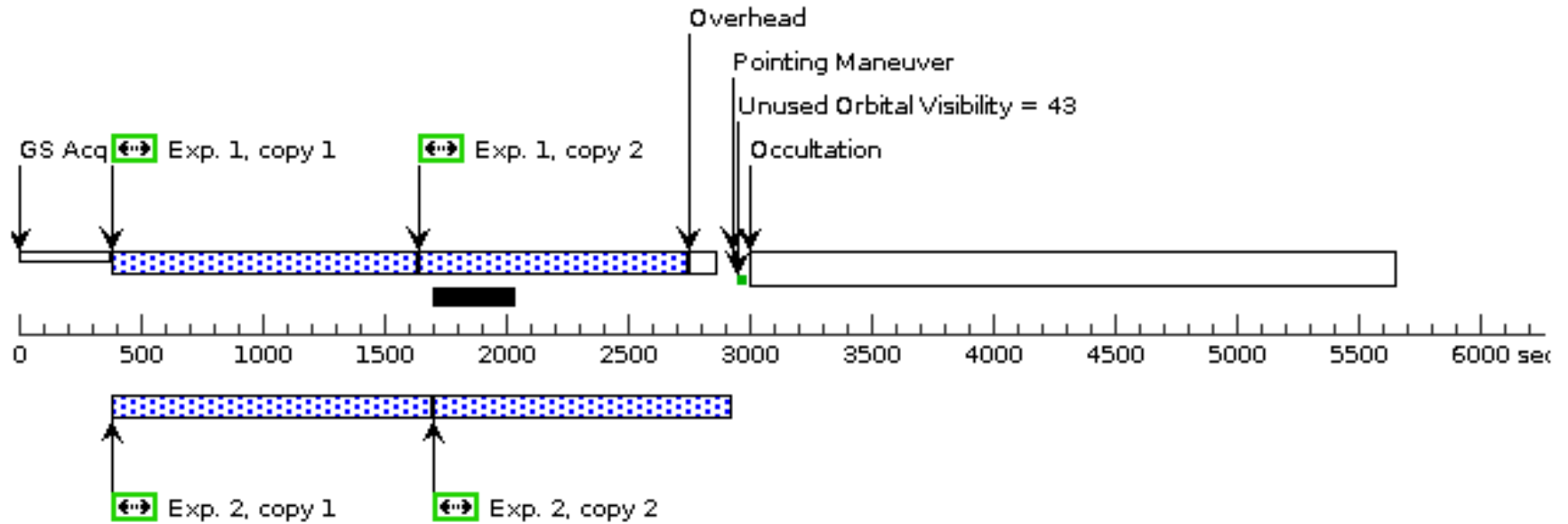


Proposal 18406 - SanfordWindow Visit4 F390W (10) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, SanfordWindow_Visit4_F390W (10)										Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: ORIENT -180D TO -20D FROM 07											
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2												
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in SanfordWindow_Visit4_F390W (10))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in SanfordWindow_Visit4_F390W (10))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(3)	SANFORD-WINDOW	RA: 00 43 51.0310 (10.9626292d) Dec: +41 30 37.81 (41.51050d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[DISK]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30,-30	Prime + Parallel Group 1-2 in SanfordWindow_Visit4_F390W (10)	1100 Secs X 2 (2200 Secs)			
									[==>(Copy 1)]		[1]	
									[==>(Copy 2)]			
	2		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in SanfordWindow_Visit4_F390W (10)	1100 Secs X 2 (2200 Secs)			
									[==>(Copy 1)]		[1]	
									[==>(Copy 2)]			
	3		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.158,-29.93	Prime + Parallel Group 3-4 in SanfordWindow_Visit4_F390W (10)	1100 Secs X 2 (2200 Secs)			
								[==>(Copy 1)]		[2]		
								[==>(Copy 2)]				
4		ANY	ACS/WFC, ACCUM, WFC	F435W				Prime + Parallel Group 3-4 in SanfordWindow_Visit4_F390W (10)	1100 Secs X 2 (2200 Secs)			
									[==>(Copy 1)]		[2]	
									[==>(Copy 2)]			

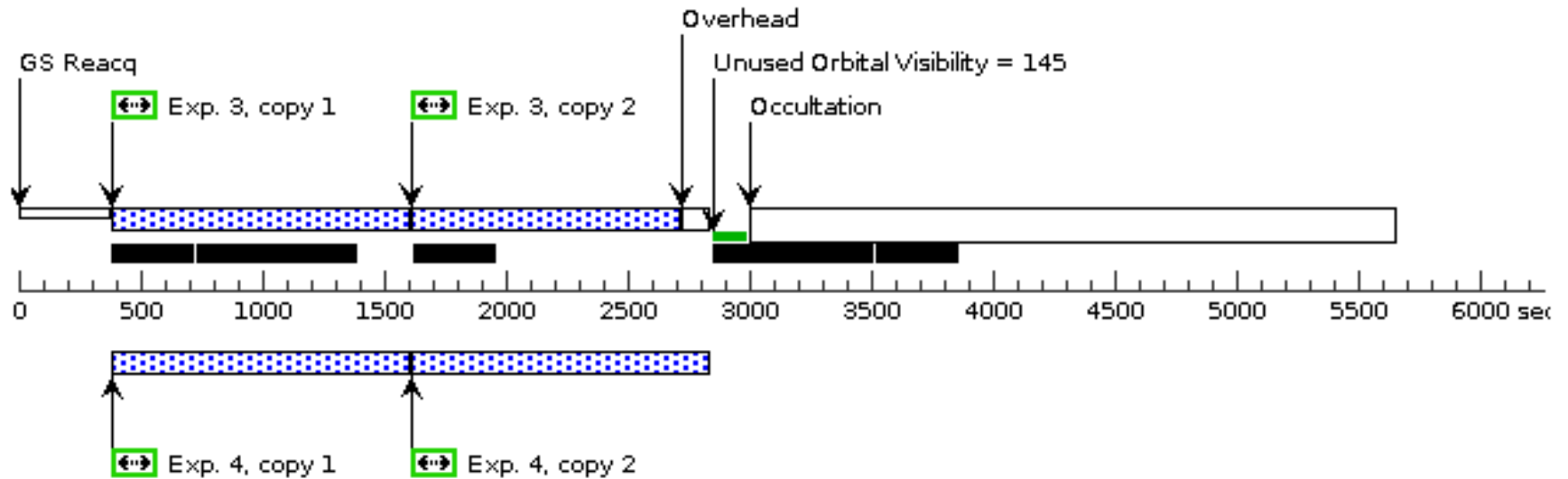
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

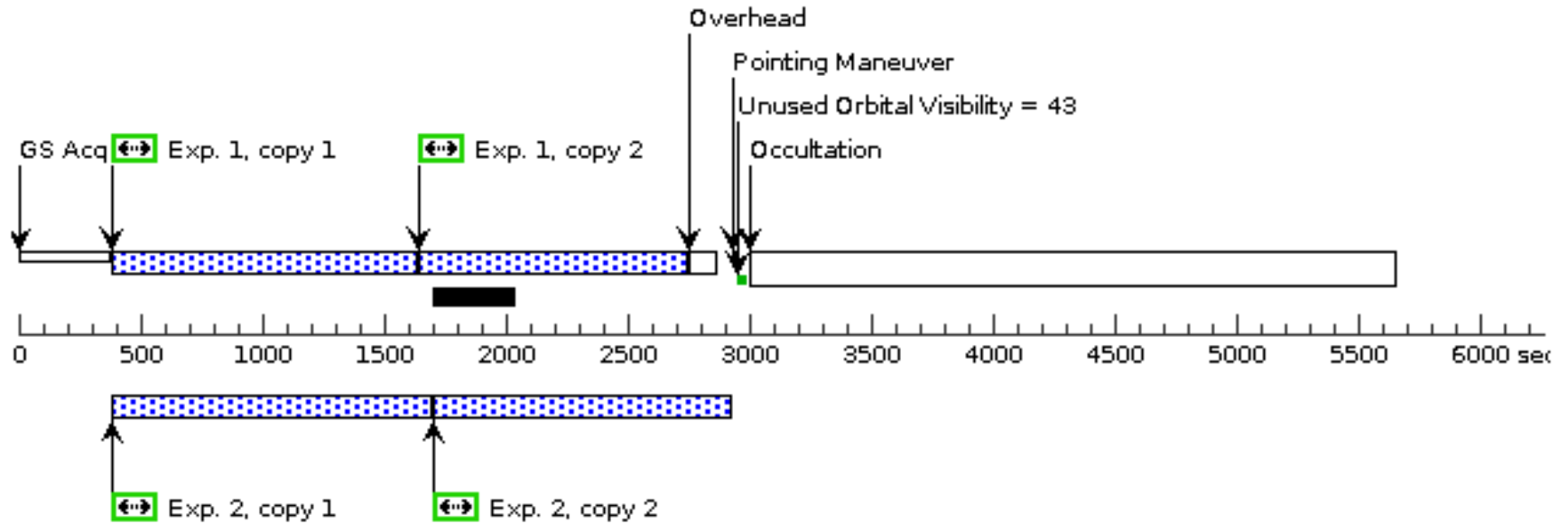


Proposal 18406 - SanfordWindow_Visit5_F390W (11) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, SanfordWindow_Visit5_F390W (11)										Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: SAME ORIENT AS 10											
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4												
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in SanfordWindow_Visit5_F390W (11))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in SanfordWindow_Visit5_F390W (11))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SANFORD-WINDOW	RA: 00 43 51.0310 (10.9626292d) Dec: +41 30 37.81 (41.51050d) Equinox: J2000					V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 29.94,-2 9.905	Prime + Parallel Group 1-2 in SanfordWindow_Visit5_F390W (11)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[1]	
	2		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in SanfordWindow_Visit5_F390W (11)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[1]	
	3		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.099,-29.835	Prime + Parallel Group 3-4 in SanfordWindow_Visit5_F390W (11)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[2]	
	4		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in SanfordWindow_Visit5_F390W (11)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[2]	

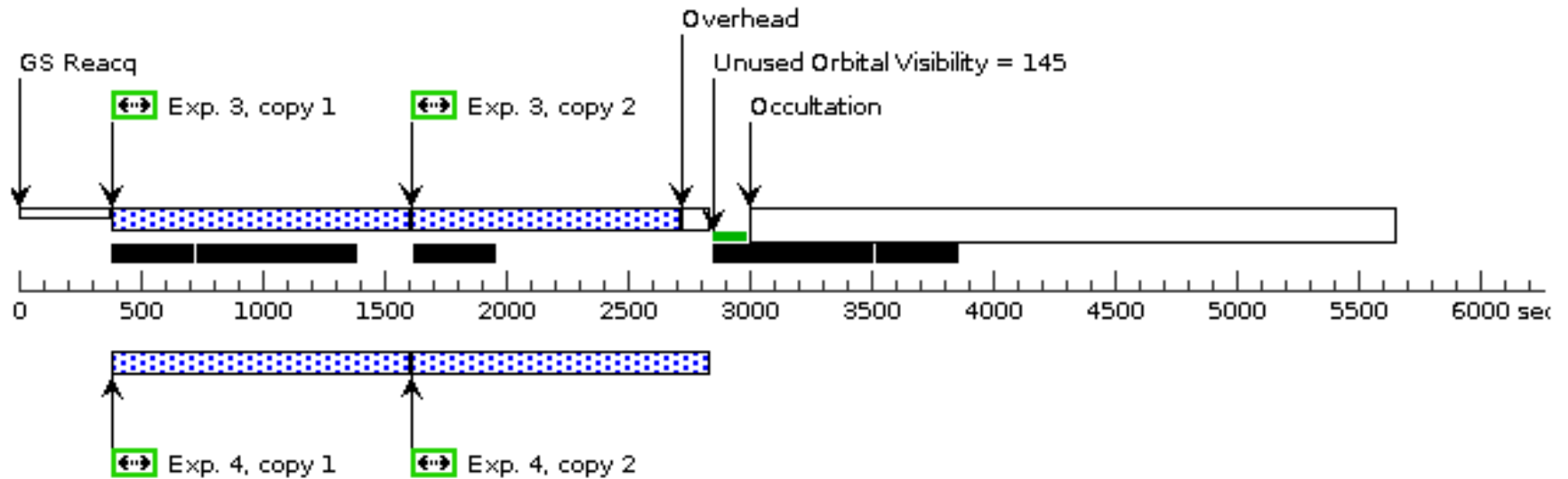
Orbit 1

Server Version: 20260618



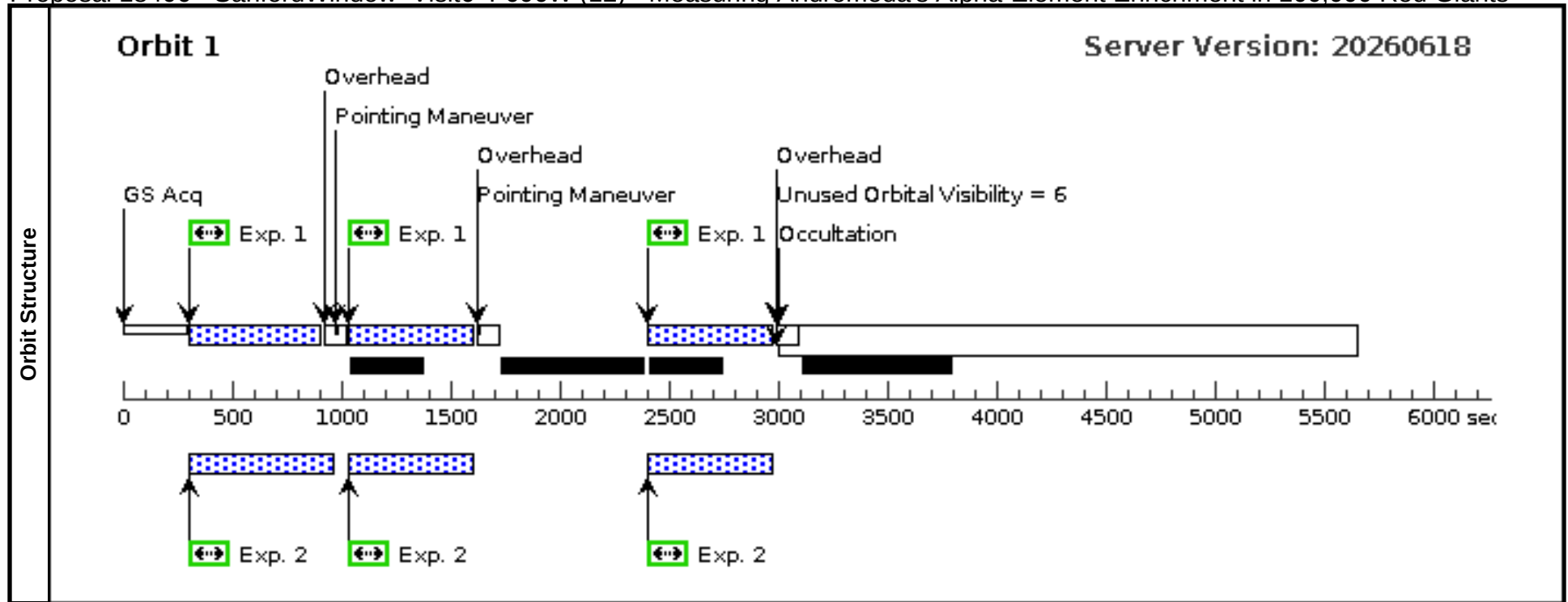
Orbit 2

Server Version: 20260618



Proposal 18406 - SanfordWindow Visit6 F606W (12) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, SanfordWindow_Visit6_F606W (12)										Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: SAME ORIENT AS 10											
Comments: Does three-line in WFC3/F606W and ACS/F555W												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1-2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SANFORD-WINDOW		RA: 00 43 51.0310 (10.9626292d) Dec: +41 30 37.81 (41.51050d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) SANFORD-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER		F606W		POS TARG 30,-30	Pattern 3, Exps 1-2 i n SanfordWindow_V isit6_F606W (12) (3) Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-2 in SanfordW indow_Visit6_F606 W (12)	575 Secs (1725 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		ANY	ACS/WFC, ACCUM, WFC		F555W			Pattern 3, Exps 1-2 i n SanfordWindow_V isit6_F606W (12) (3) Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-2 in SanfordW indow_Visit6_F606 W (12)	450 Secs (1350 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

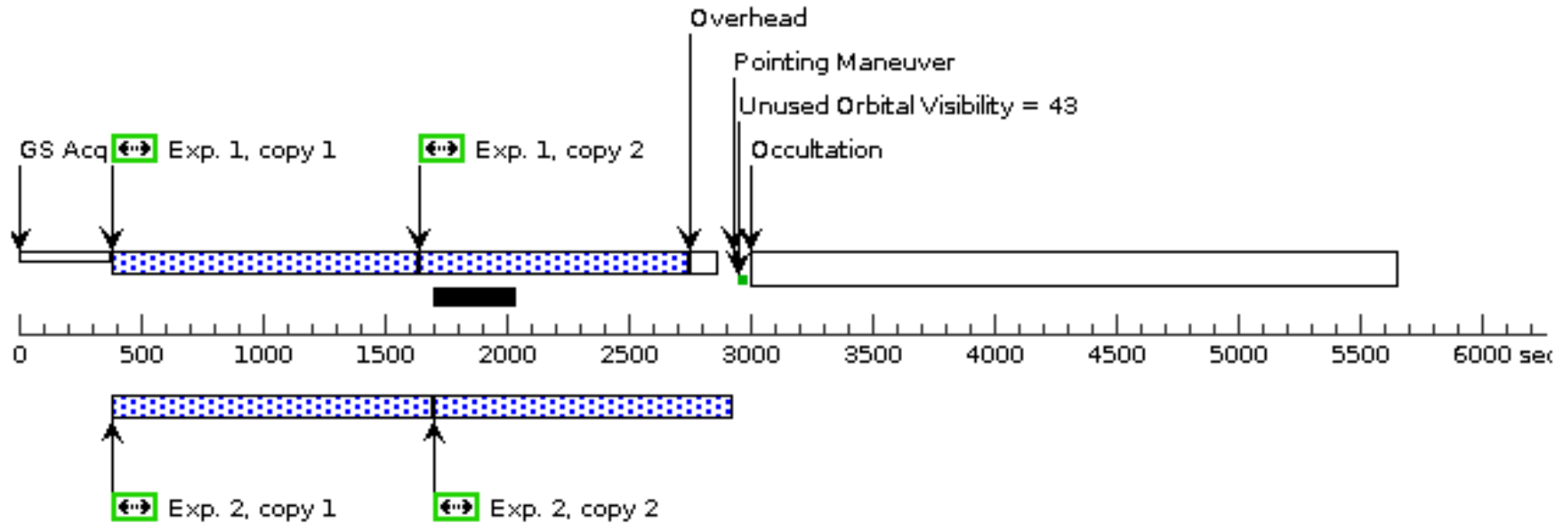


Proposal 18406 - MackerethWindow_Visit1_F390W (13) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, MackerethWindow_Visit1_F390W (13)									Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: ORIENT 190D TO 260 D									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in MackerethWindow_Visit1_F390W (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in MackerethWindow_Visit1_F390W (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	MACKERETH-WINDOW	RA: 00 44 56.0000 (11.2333333d) Dec: +41 45 37.00 (41.76028d) Equinox: J2000		V=23+/-2	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7		Prime + Parallel Group 1-2 in MackerethWindow_Visit1_F390W (13)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	2		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in MackerethWindow_Visit1_F390W (13)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	3		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.158,0.070	Prime + Parallel Group 3-4 in MackerethWindow_Visit1_F390W (13)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]
	4		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 3-4 in MackerethWindow_Visit1_F390W (13)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]

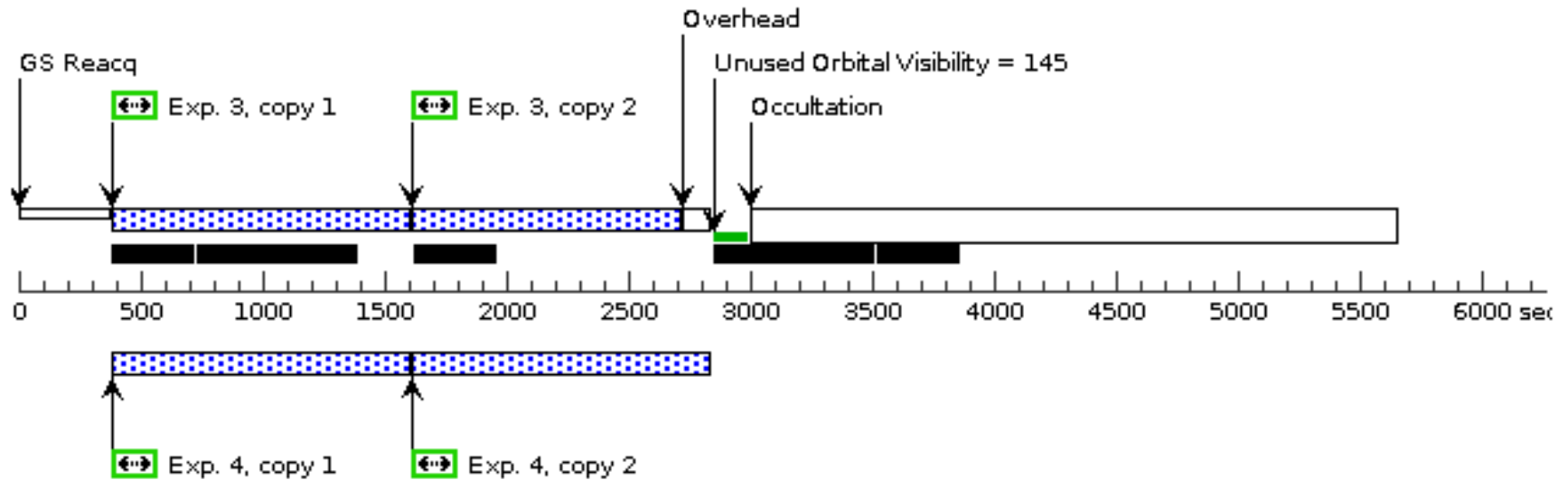
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

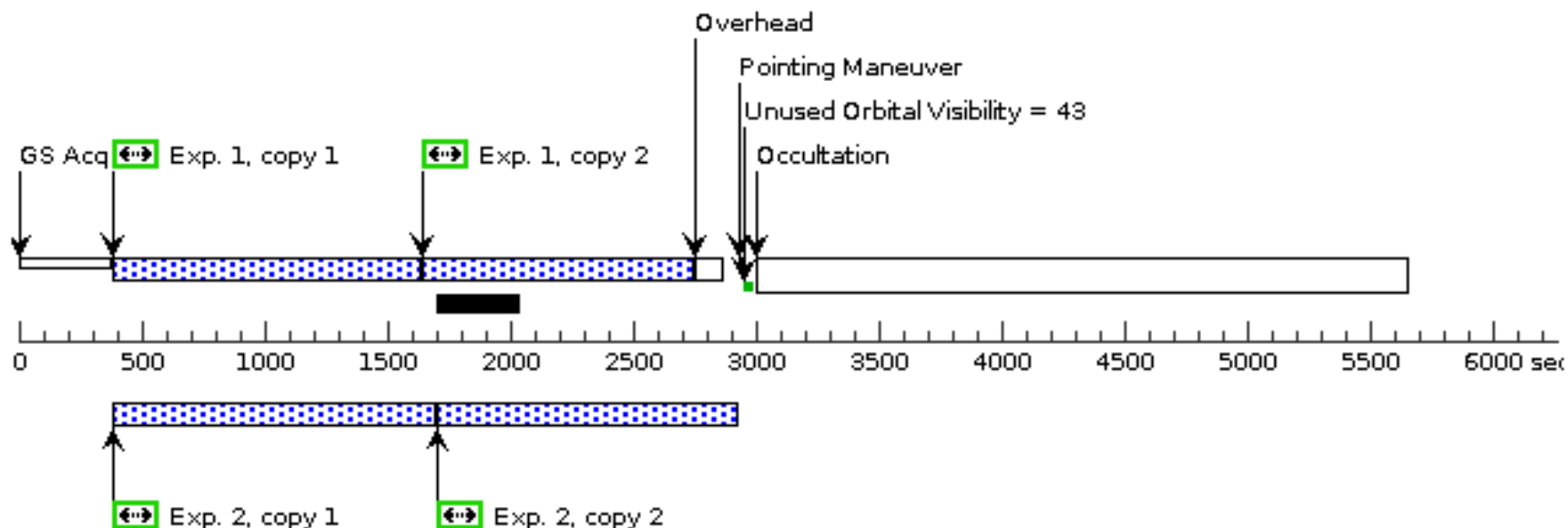


Proposal 18406 - MackerethWindow_Visit2_F390W (14) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, MackerethWindow_Visit2_F390W (14)								Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SAME ORIENT AS 13									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in MackerethWindow_Visit2_F390W (14))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in MackerethWindow_Visit2_F390W (14))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	MACKERETH-WINDOW	RA: 00 44 56.0000 (11.2333333d) Dec: +41 45 37.00 (41.76028d) Equinox: J2000		V=23+/-2	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG -0.06,0.095	Prime + Parallel Group 1-2 in MackerethWindow_Visit2_F390W (14)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	2		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in MackerethWindow_Visit2_F390W (14)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	3		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.099,0.165	Prime + Parallel Group 3-4 in MackerethWindow_Visit2_F390W (14)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]
	4		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in MackerethWindow_Visit2_F390W (14)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]

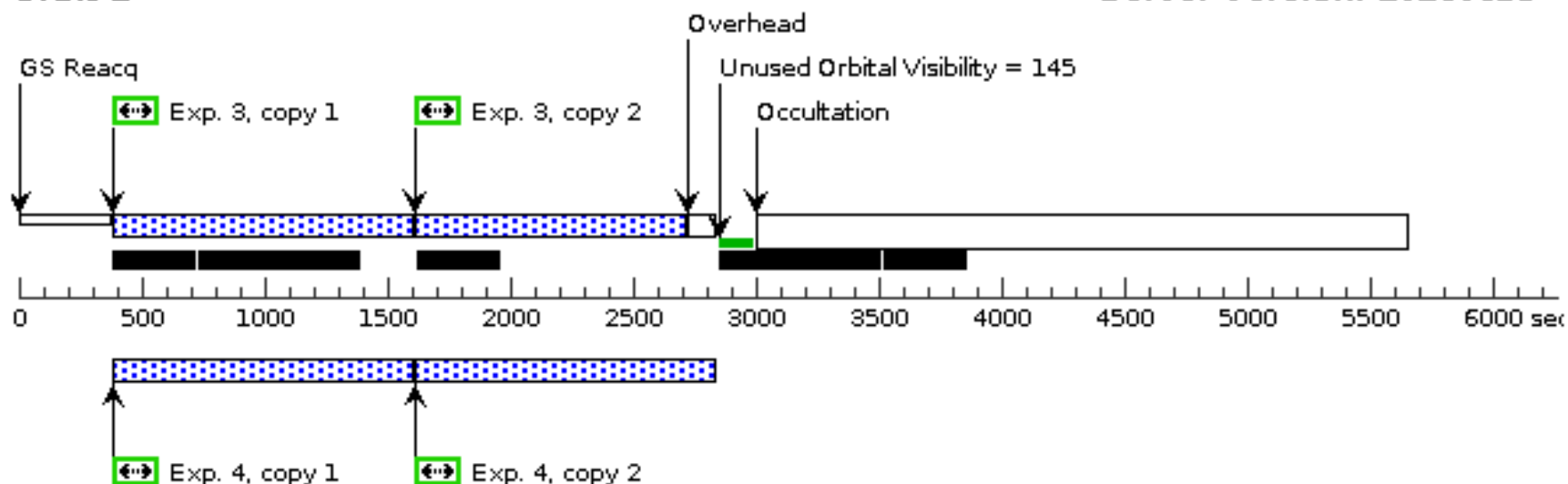
Orbit 1

Server Version: 20260618



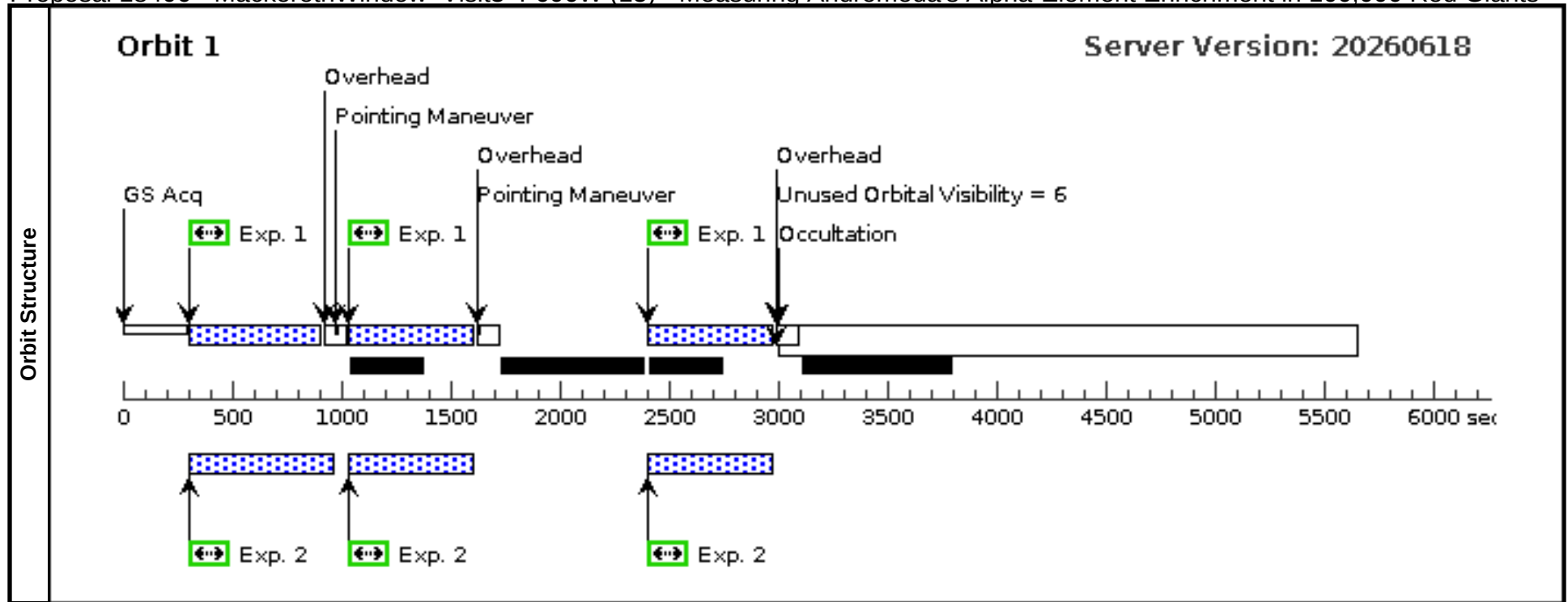
Orbit 2

Server Version: 20260618



Proposal 18406 - MackerethWindow_Visit3_F606W (15) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, MackerethWindow_Visit3_F606W (15)										Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: SAME ORIENT AS 13											
	Comments: Does three-line in WFC3/F606W and ACS/F555W											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.145 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false						(1-2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	MACKERETH-WINDOW		RA: 00 44 56.0000 (11.2333333d) Dec: +41 45 37.00 (41.76028d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER		F606W			Pattern 3, Exps 1-2 in MackerethWindow_Visit3_F606W (15) (3) Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in MackerethWindow_Visit3_F606W (15)	575 Secs (1725 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		ANY	ACS/WFC, ACCUM, WFC		F555W			Pattern 3, Exps 1-2 in MackerethWindow_Visit3_F606W (15) (3) Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in MackerethWindow_Visit3_F606W (15)	450 Secs (1350 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

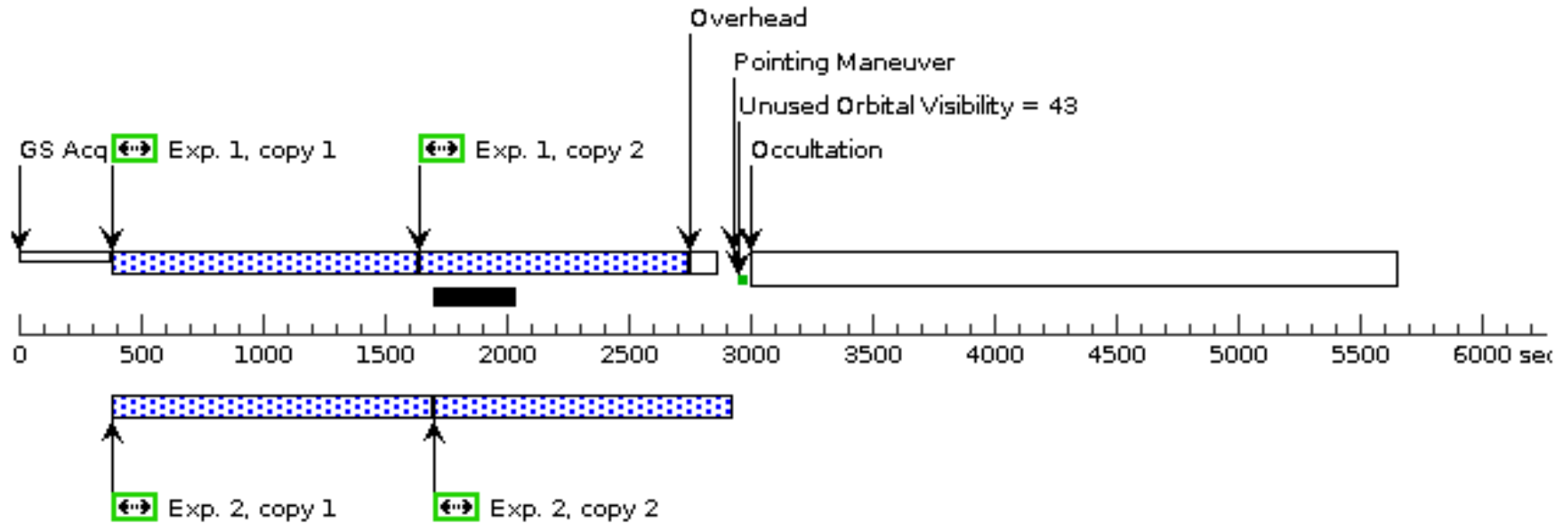


Proposal 18406 - MackerethWindow_Visit4_F390W (16) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, MackerethWindow_Visit4_F390W (16)									Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: ORIENT -180D TO -20D FROM 13									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in MackerethWindow_Visit4_F390W (16))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in MackerethWindow_Visit4_F390W (16))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	MACKERETH-WINDOW	RA: 00 44 56.0000 (11.2333333d) Dec: +41 45 37.00 (41.76028d) Equinox: J2000		V=23+/-2	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30,-30	Prime + Parallel Group 1-2 in MackerethWindow_Visit4_F390W (16)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	2		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in MackerethWindow_Visit4_F390W (16)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	3		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.158,-29.93	Prime + Parallel Group 3-4 in MackerethWindow_Visit4_F390W (16)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]
	4		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 3-4 in MackerethWindow_Visit4_F390W (16)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]

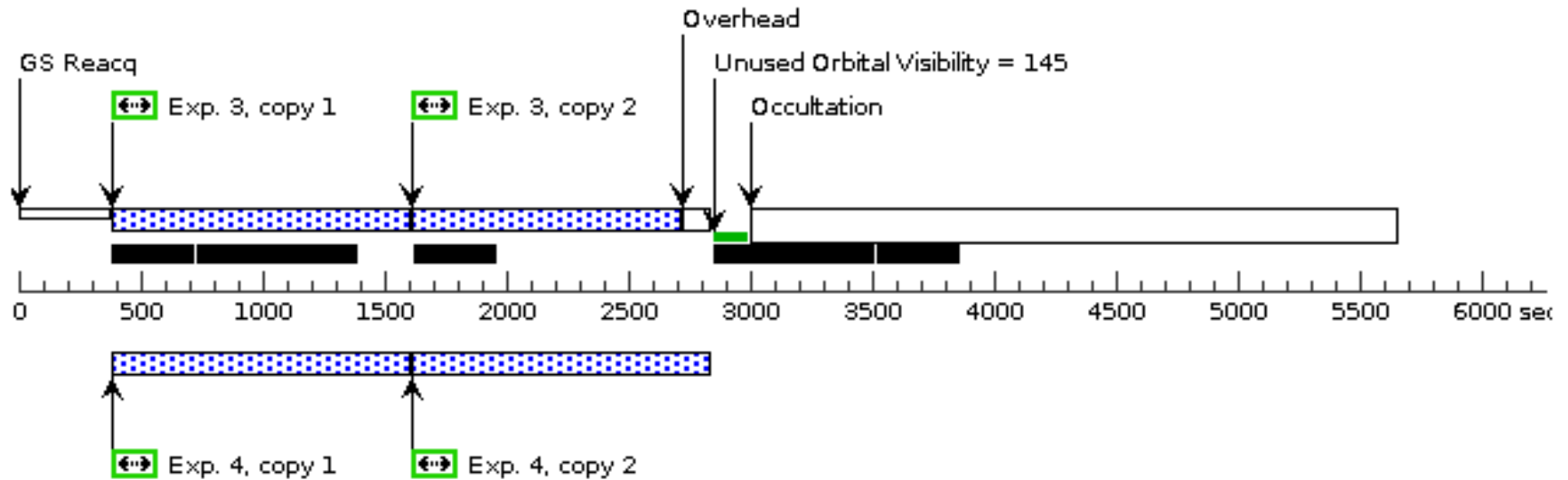
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

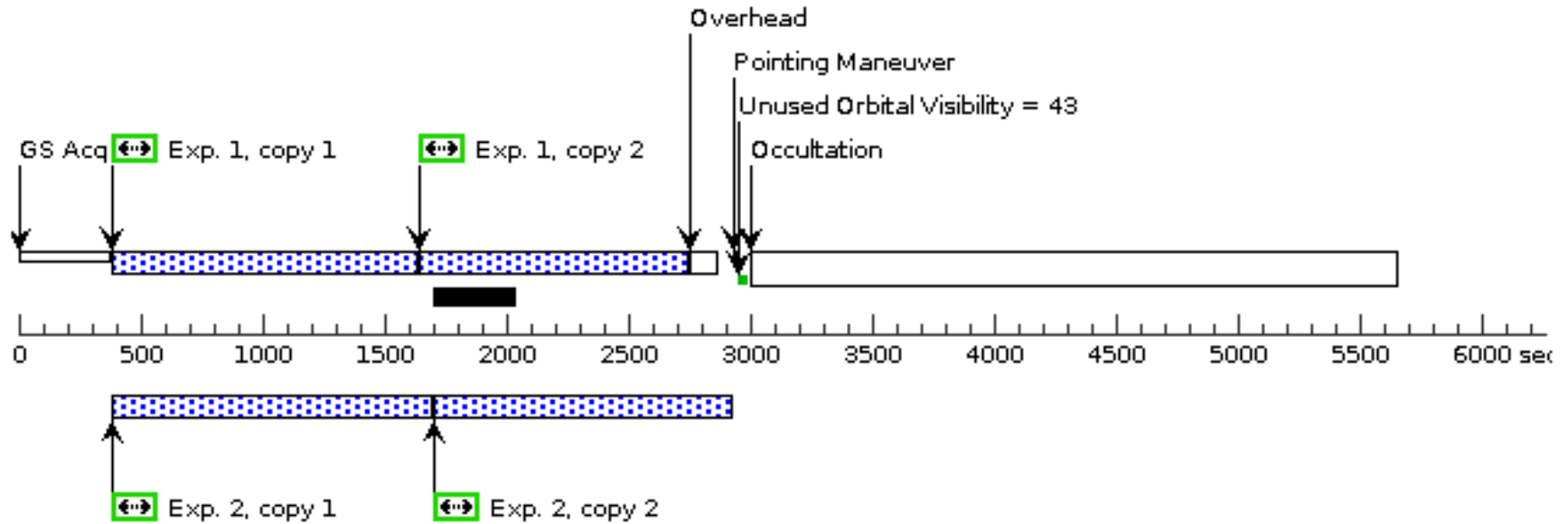


Proposal 18406 - MackerethWindow_Visit5_F390W (17) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, MackerethWindow_Visit5_F390W (17)									Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SAME ORIENT AS 22									
	Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4									
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in MackerethWindow_Visit5_F390W (17))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in MackerethWindow_Visit5_F390W (17))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	MACKERETH-WINDOW	RA: 00 44 56.0000 (11.2333333d) Dec: +41 45 37.00 (41.76028d) Equinox: J2000			V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 29.94,-2 9.905	Prime + Parallel Group 1-2 in MackerethWindow_Visit5_F390W (17)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	2		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in MackerethWindow_Visit5_F390W (17)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [1]
	3		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.099,-29.835	Prime + Parallel Group 3-4 in MackerethWindow_Visit5_F390W (17)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]
	4		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in MackerethWindow_Visit5_F390W (17)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	 [2]

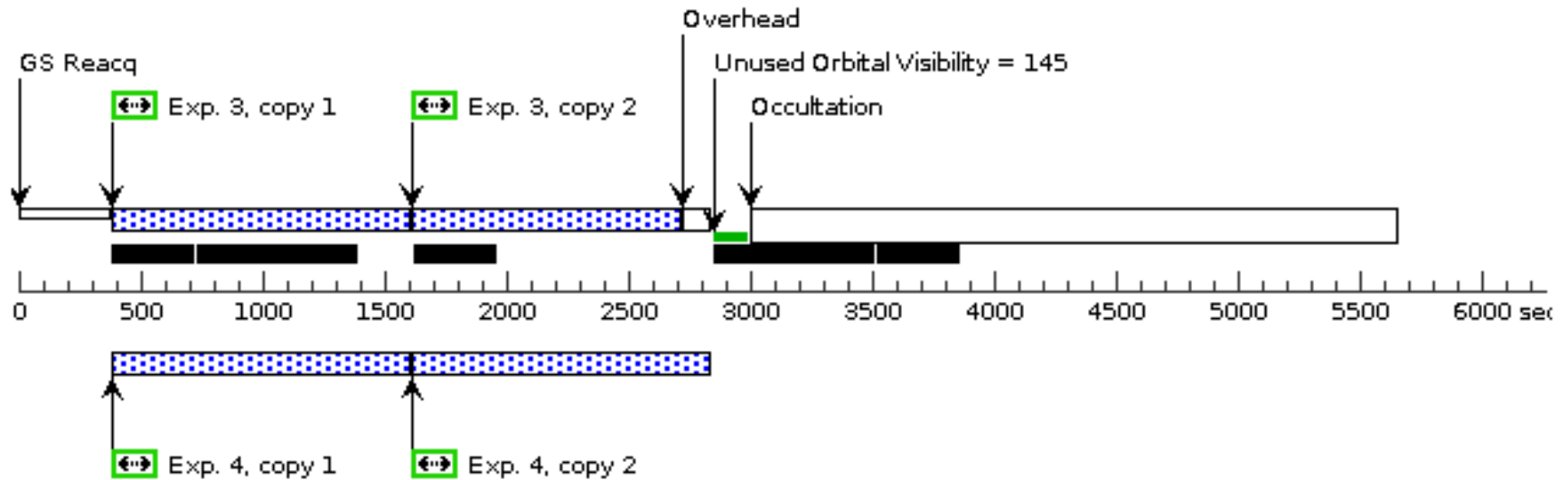
Orbit 1

Server Version: 20260618



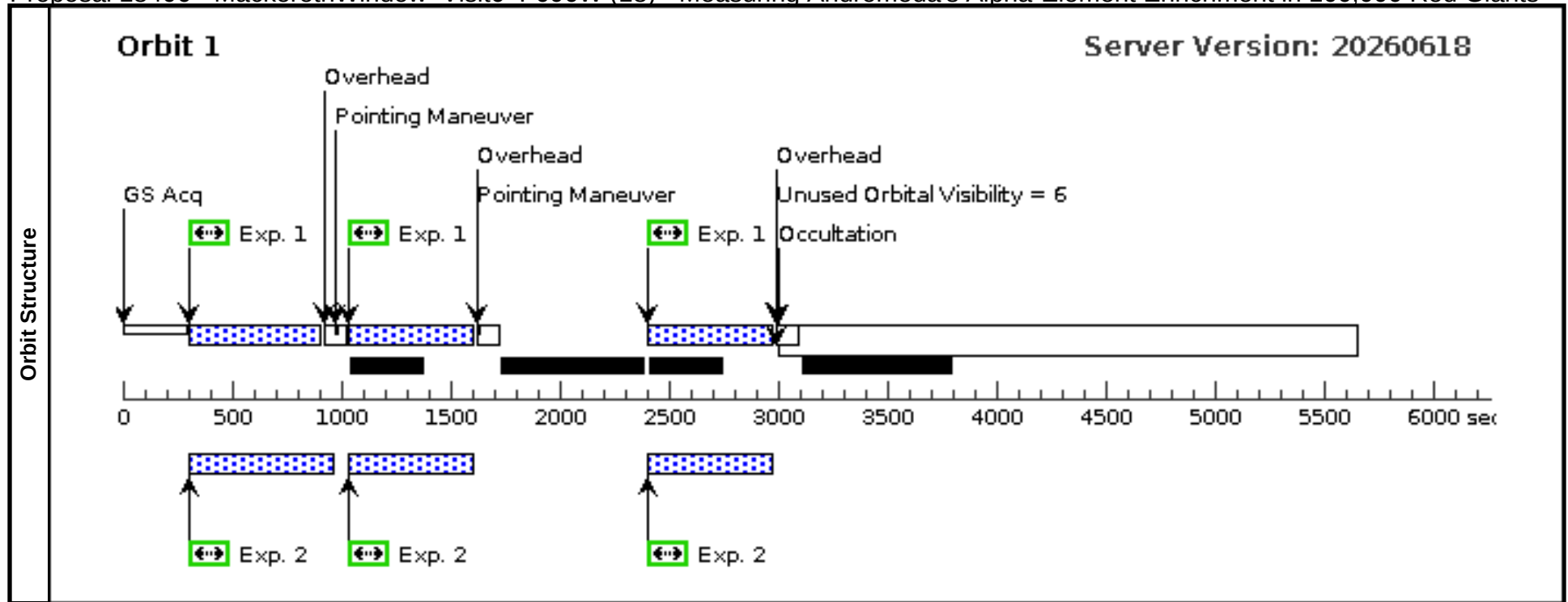
Orbit 2

Server Version: 20260618



Proposal 18406 - MackerethWindow_Visit6_F606W (18) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, MackerethWindow_Visit6_F606W (18)										Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: SAME ORIENT AS 16										
	Comments: Does three-line in WFC3/F606W and ACS/F555W										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE		Coordinate Frame=POS-TARG						(1-2)	
Purpose=DITHER		Pattern Orientation=46.84									
Number Of Points=3		Angle Between Sides=									
Point Spacing=0.145		Center Pattern=false									
Line Spacing=											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	MACKERETH-WINDOW	RA: 00 44 56.0000 (11.2333333d)				V=23+/-2		Reference Frame: ICRS		
	Dec: +41 45 37.00 (41.76028d)										
Comments: Category=GALAXY Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) MACKERETH-WINDOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 30,-30	Pattern 3, Exps 1-2 in MackerethWindow_Visit6_F606W (18) (3)	575 Secs (1725 Secs)		
								Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in MackerethWindow_Visit6_F606W (18)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC	F555W				Pattern 3, Exps 1-2 in MackerethWindow_Visit6_F606W (18) (3)	450 Secs (1350 Secs)		
								Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in MackerethWindow_Visit6_F606W (18)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	

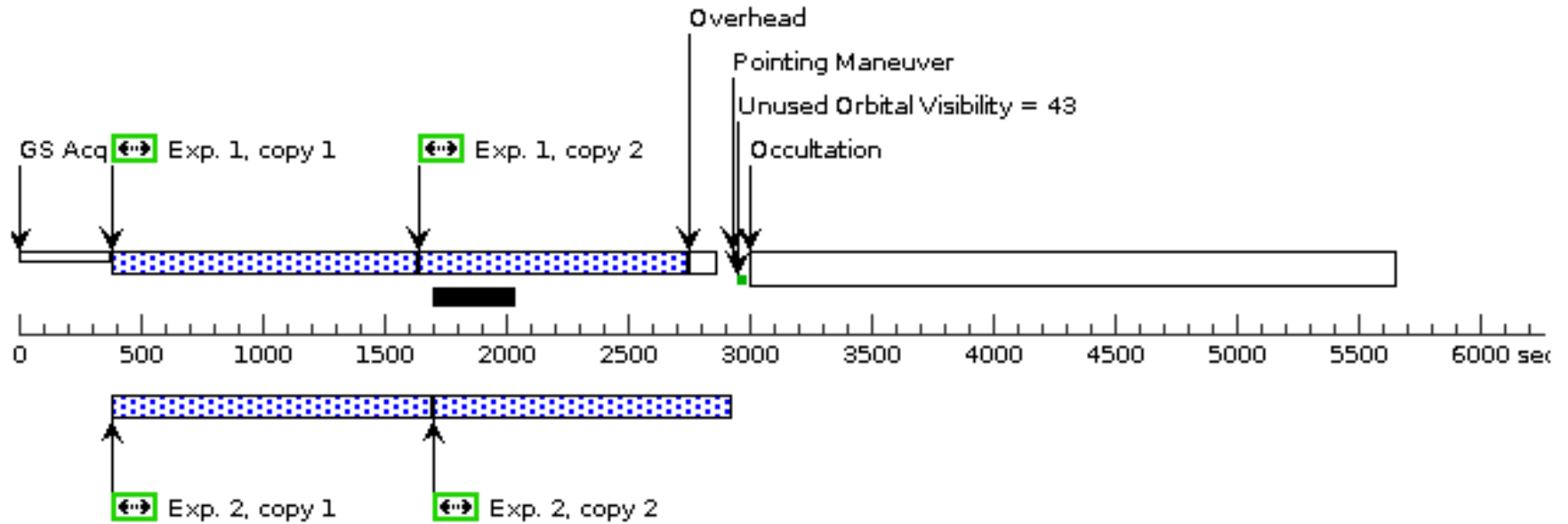


Proposal 18406 - NideverWindow_Visit1_F390W (19) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, NideverWindow_Visit1_F390W (19)										Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: ORIENT 190D TO 260 D											
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2												
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in NideverWindow_Visit1_F390W (19))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in NideverWindow_Visit1_F390W (19))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NIDEVER-WINDOW	RA: 00 46 8.5000 (11.5354167d) Dec: +42 04 7.00 (42.06861d) Equinox: J2000					V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7		Prime + Parallel Group 1-2 in NideverWindow_Visit1_F390W (19)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[1]	
	2		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in NideverWindow_Visit1_F390W (19)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[1]	
	3		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.158,0.070	Prime + Parallel Group 3-4 in NideverWindow_Visit1_F390W (19)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[2]	
	4		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 3-4 in NideverWindow_Visit1_F390W (19)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[2]	

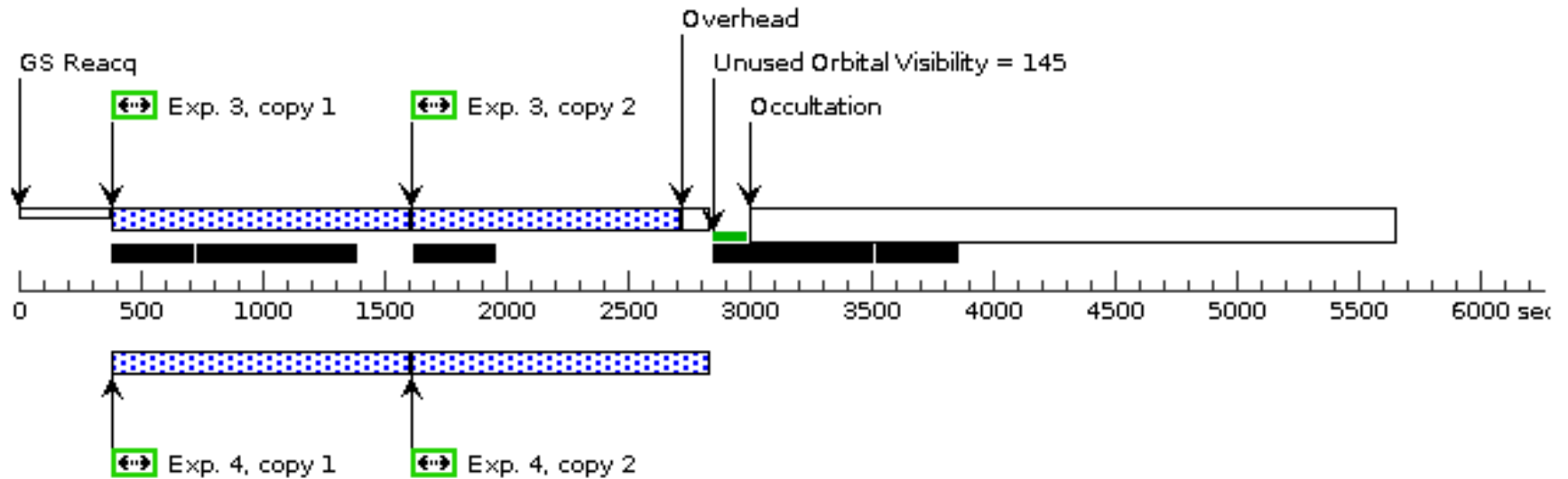
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

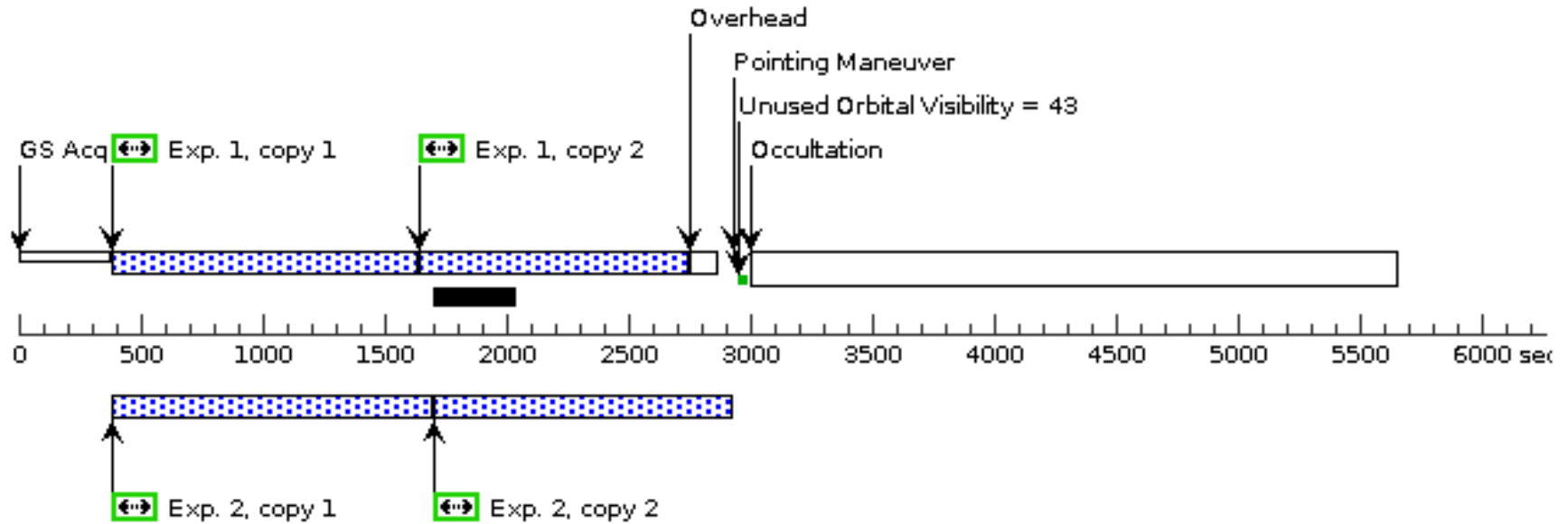


Proposal 18406 - NideverWindow_Visit2_F390W (20) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, NideverWindow_Visit2_F390W (20)									Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SAME ORIENT AS 19									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in NideverWindow_Visit2_F390W (20))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in NideverWindow_Visit2_F390W (20))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NIDEVER-WINDOW	RA: 00 46 8.5000 (11.5354167d) Dec: +42 04 7.00 (42.06861d) Equinox: J2000			V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG -0.06,0.095	Prime + Parallel Group 1-2 in NideverWindow_Visit2_F390W (20)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in NideverWindow_Visit2_F390W (20)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 0.099,0.165	Prime + Parallel Group 3-4 in NideverWindow_Visit2_F390W (20)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in NideverWindow_Visit2_F390W (20)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]

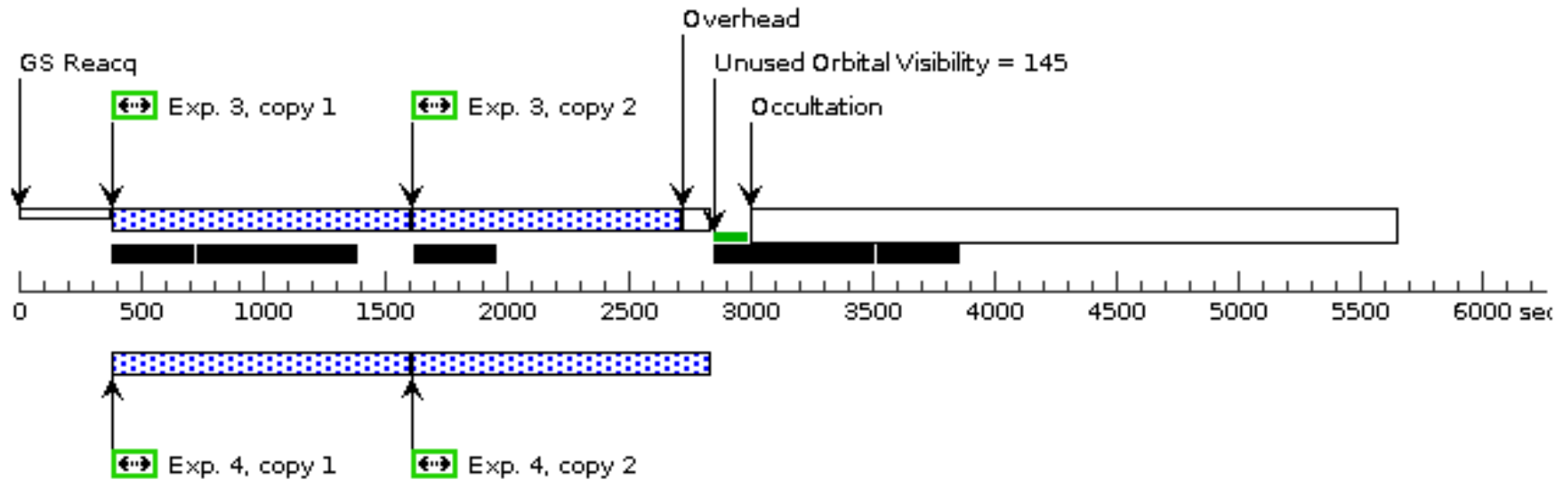
Orbit 1

Server Version: 20260618



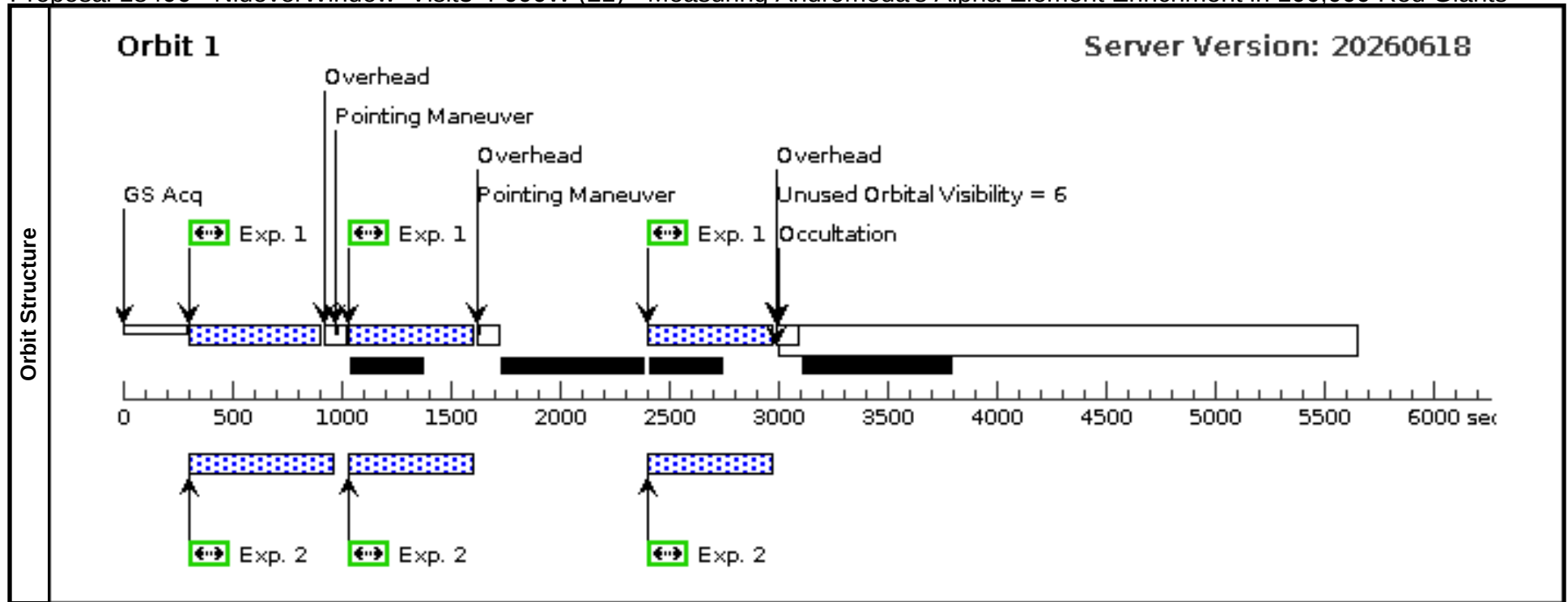
Orbit 2

Server Version: 20260618



Proposal 18406 - NideverWindow Visit3 F606W (21) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, NideverWindow_Visit3_F606W (21)										Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: SAME ORIENT AS 19											
	Comments: Does three-line in WFC3/F606W and ACS/F555W											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.145 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NIDEVER-WINDOW	RA: 00 46 8.5000 (11.5354167d) Dec: +42 04 7.00 (42.06861d) Equinox: J2000					V=23+/-2		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER		F606W			Pattern 3, Exps 1-2 i n NideverWindow_Visit3_F606W (21) (3) Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-2 in NideverW indow_Visit3_F606 W (21)	575 Secs (1725 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2	ANY	ACS/WFC, ACCUM, WFC	F555W					Pattern 3, Exps 1-2 i n NideverWindow_Visit3_F606W (21) (3) Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-2 in NideverW indow_Visit3_F606 W (21)	450 Secs (1350 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

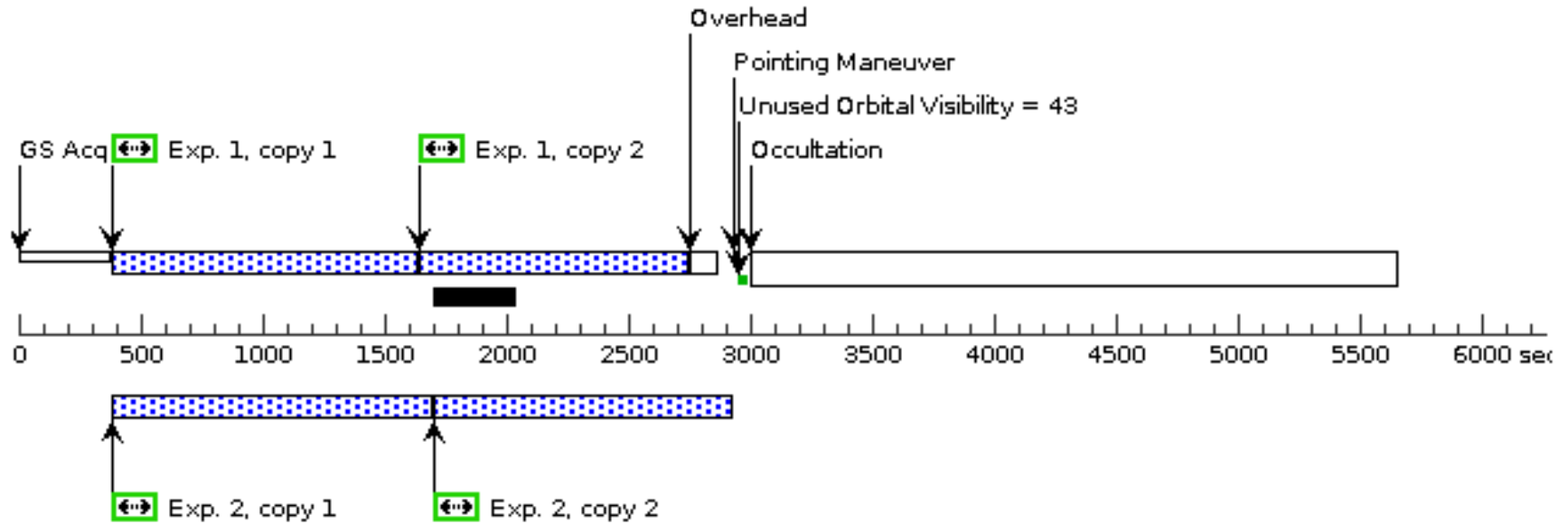


Proposal 18406 - NideverWindow_Visit4_F390W (22) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, NideverWindow_Visit4_F390W (22)										Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: ORIENT -180D TO -20D FROM 19										
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 1 and 2											
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in NideverWindow_Visit4_F390W (22))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser										
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in NideverWindow_Visit4_F390W (22))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	NIDEVER-WINDOW	RA: 00 46 8.5000 (11.5354167d) Dec: +42 04 7.00 (42.06861d) Equinox: J2000				V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30,-30	Prime + Parallel Group 1-2 in NideverWindow_Visit4_F390W (22)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 1-2 in NideverWindow_Visit4_F390W (22)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[1]
	3		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.158,-29.93	Prime + Parallel Group 3-4 in NideverWindow_Visit4_F390W (22)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[2]
	4		ANY	ACS/WFC, ACCUM, WFC	F435W			Prime + Parallel Group 3-4 in NideverWindow_Visit4_F390W (22)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]		[2]

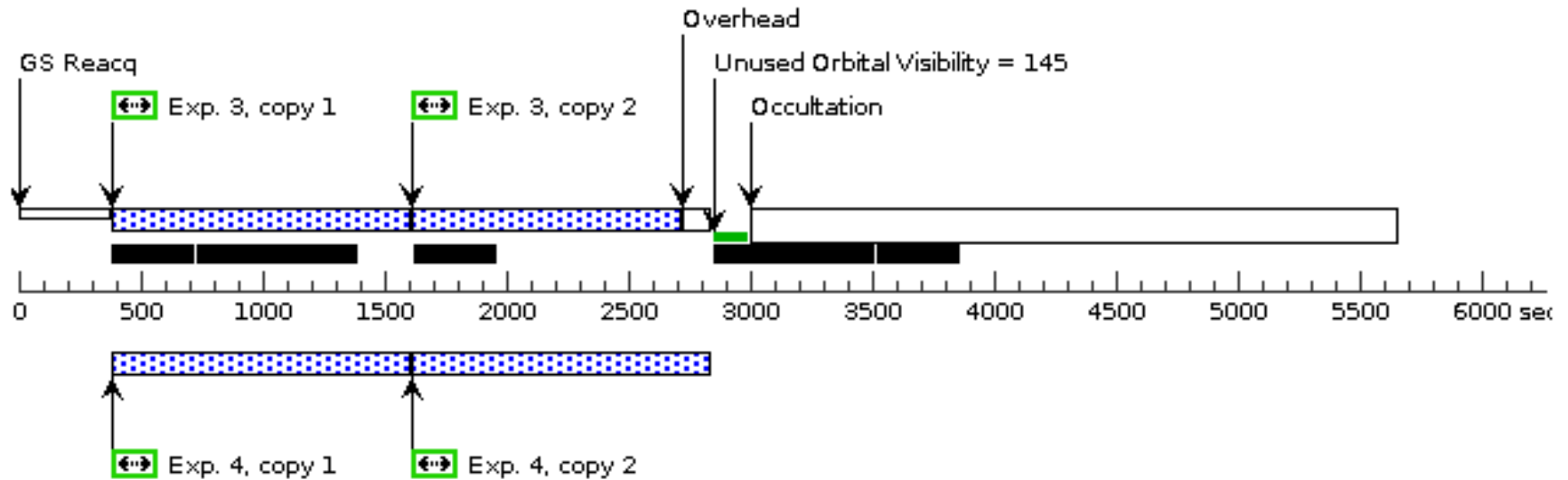
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

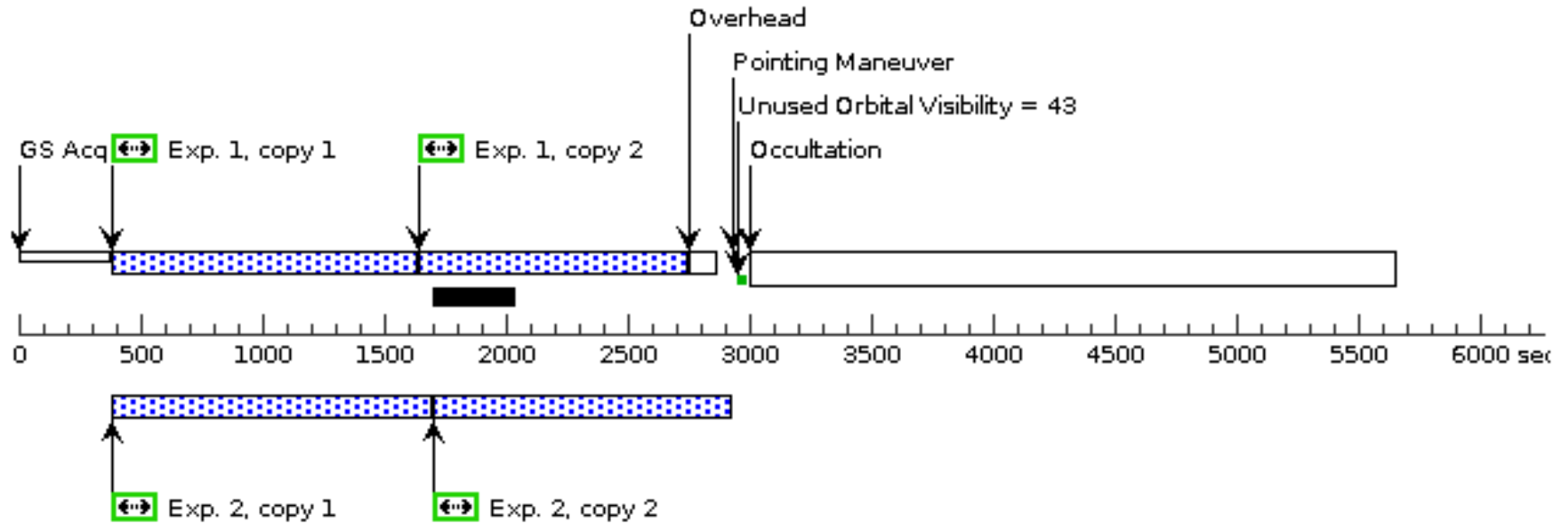


Proposal 18406 - NideverWindow_Visit5_F390W (23) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, NideverWindow_Visit5_F390W (23)									Thu Aug 13 17:00:32 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SAME ORIENT AS 10									
Comments: Each prime+parallel group corresponds to a dither point, this is for dither points 3 and 4										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2 in NideverWindow_Visit5_F390W (23))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Primary Exposure 3 (Prime + Parallel Group 3-4 in NideverWindow_Visit5_F390W (23))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NIDEVER-WINDOW	RA: 00 46 8.5000 (11.5354167d) Dec: +42 04 7.00 (42.06861d) Equinox: J2000			V=23+/-2		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[DISK]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 29.94,-2 9.905	Prime + Parallel Group 1-2 in NideverWindow_Visit5_F390W (23)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in NideverWindow_Visit5_F390W (23)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=7	POS TARG 30.099,-29.835	Prime + Parallel Group 3-4 in NideverWindow_Visit5_F390W (23)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4		ANY	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in NideverWindow_Visit5_F390W (23)	1100 Secs X 2 (2200 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]

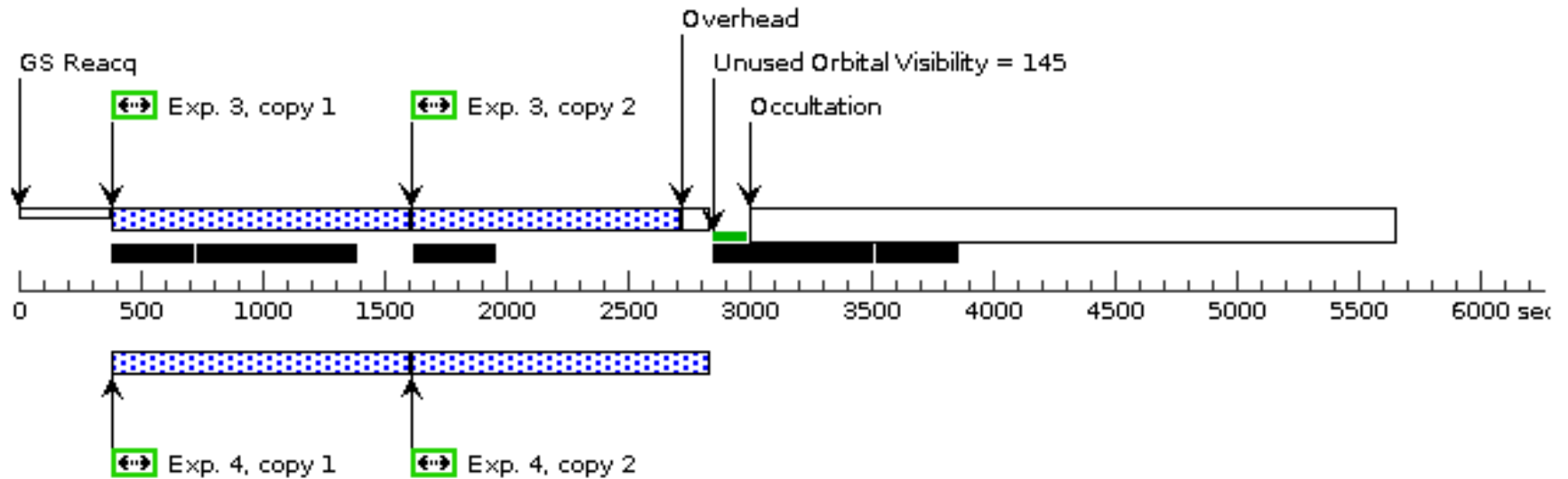
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618



Proposal 18406 - NideverWindow Visit6 F606W (24) - Measuring Andromeda's Alpha-Element Enrichment in 100,000 Red Giants

Visit	Proposal 18406, NideverWindow_Visit6_F606W (24)										Thu Aug 13 17:00:32 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: SAME ORIENT AS 22											
	Comments: Does three-line in WFC3/F606W and ACS/F555W											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.145 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NIDEVER-WINDOW	RA: 00 46 8.5000 (11.5354167d) Dec: +42 04 7.00 (42.06861d) Equinox: J2000					V=23+/-2		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DISK]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) NIDEVER-WIN DOW	WFC3/UVIS, ACCUM, UVIS-CENTER		F606W		POS TARG 30,-30	Pattern 3, Exps 1-2 i n NideverWindow_Visit6_F606W (24) (3) Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-2 in NideverW indow_Visit6_F606 W (24)	575 Secs (1725 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		ANY	ACS/WFC, ACCUM, WFC		F555W			Pattern 3, Exps 1-2 i n NideverWindow_Visit6_F606W (24) (3) Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-2 in NideverW indow_Visit6_F606 W (24)	450 Secs (1350 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

