17434 - Shedding Light on Dark Matter: Internal Proper Motions in Ursa Minor

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) UMI-C1	ACS/WFC WFC3/UVIS	2	11-Nov-2024 17:00:20.0	yes
02	(2) UMI-C2	ACS/WFC WFC3/UVIS	2	11-Nov-2024 17:00:22.0	yes
03	(3) UMI-E1	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:23.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
13	(3) UMI-E1	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:23.0	yes
04	(3) UMI-E1	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:24.0	yes
14	(3) UMI-E1	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:25.0	yes
05	(4) UMI-E2	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:26.0	yes
15	(11) UMI-E2A	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:26.0	yes
06	(4) UMI-E2	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:27.0	yes
16	(12) UMI-E2B	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:28.0	yes
07	(5) UMI-E3	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:29.0	yes
17	(5) UMI-E3 ANY	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:30.0	yes
08	(5) UMI-E3	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:30.0	yes
18	(5) UMI-E3 ANY	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:31.0	yes
09	(6) UMI-E4	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:32.0	yes
19	(9) UMI-E4A	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:32.0	yes
10	(6) UMI-E4	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:33.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
20	(10) UMI-E4B	ACS/WFC WFC3/UVIS	1	11-Nov-2024 17:00:34.0	yes
11	(7) UMI-W3	ACS/WFC WFC3/UVIS	2	11-Nov-2024 17:00:35.0	yes
12	(8) UMI-W4	ACS/WFC WFC3/UVIS	2	11-Nov-2024 17:00:37.0	yes

24 Total Orbits Used

ABSTRACT

Determination of the mass density profiles of dwarf galaxies (and specifically whether there is a central core or cusp) provides a critical test of both the properties of dark matter (DM) and the physics of cosmological structure formation. The Milky Way nearby classical dwarf spheroidal galaxies (dSphs) provide some of the best dynamical constraints. While large line-of-sight velocity datasets exist (some thousand stars per galaxy), interpretation is hindered by the well-known mass vs. velocity-anisotropy degeneracy of stellar dynamics. This can be resolved with proper motion (PM) measurements that yield 3-D velocity information. This is well beyond the reach of Gaia, given the small velocity dispersions of dSphs and the absence of bright stars. HST is the only observatory that can advance this problem, given its combination of photometric depth, high spatial resolution, and long time baselines. We propose to obtain HST imaging of eight previously imaged fields (four prime plus four parallels) in the nearby Ursa Minor dSph, to obtain high-accuracy PMs for thousands of stars in this galaxy. This unique data set will provide a direct determination of the velocity anisotropy profile. Through detailed dynamical modeling, this will constrain the DM density cusp slope with an uncertainty of only 0.1, allowing us to discriminate at 10-sigma confidence between a core or NFW cusp. The results will give unique constraints on both the nature of DM, and the physical mechanisms that shape DM density profiles in galaxies. The proposed program therefore shows how HST can still be used, after 33 years in orbit, to tackle unanswered fundamental questions in astrophysics.

OBSERVING DESCRIPTION

The primary goal of this program is to measure the internal proper motion kinematics of the dwarf spheroidal galaxy Ursa Minor using multi-epoch HST imaging data. We will target 8 primary WFC3/UVIS + 8 parallel ACS/WFC = 16 fields in total. Each target field will be observed for two orbits. The telescope orientation conditions are added as special requirements for each visit to match the filed coverages between the pre-existing first-epoch data and the second-epoch data that will be obtained through this program. This is essential for controlling systematics when measuring

proper motions.

Visit

Proposal 17434, UMI-C1 (01), implementation Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 275.18D TO 275.18 D

Comments: This is a 2-orbit visit targeting the UMI-C1 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-MAR-2024 to ensure that this visit is observed early in the cycle because for our astrometric analysis, it is important to evaluate the impact of our FLASH settings early in the cycle to determine whether we would need to adjust them for the other visits.

Diagnostics

(UMI-C1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(UMI-C1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Exposure 3 (Sequence 1-7 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 8 (Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Exposure 10 (Sequence 8-14 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 11 (Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-C1 (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	UMI-C1	RA: 15 09 0.8656 (227.2536067d)		V=11.9	Reference Frame: SIMBAD
		Dec: +67 13 51.19 (67.23089d)		L=3.9 x 10^5 Lsun,	
		Equinox: J2000		V	

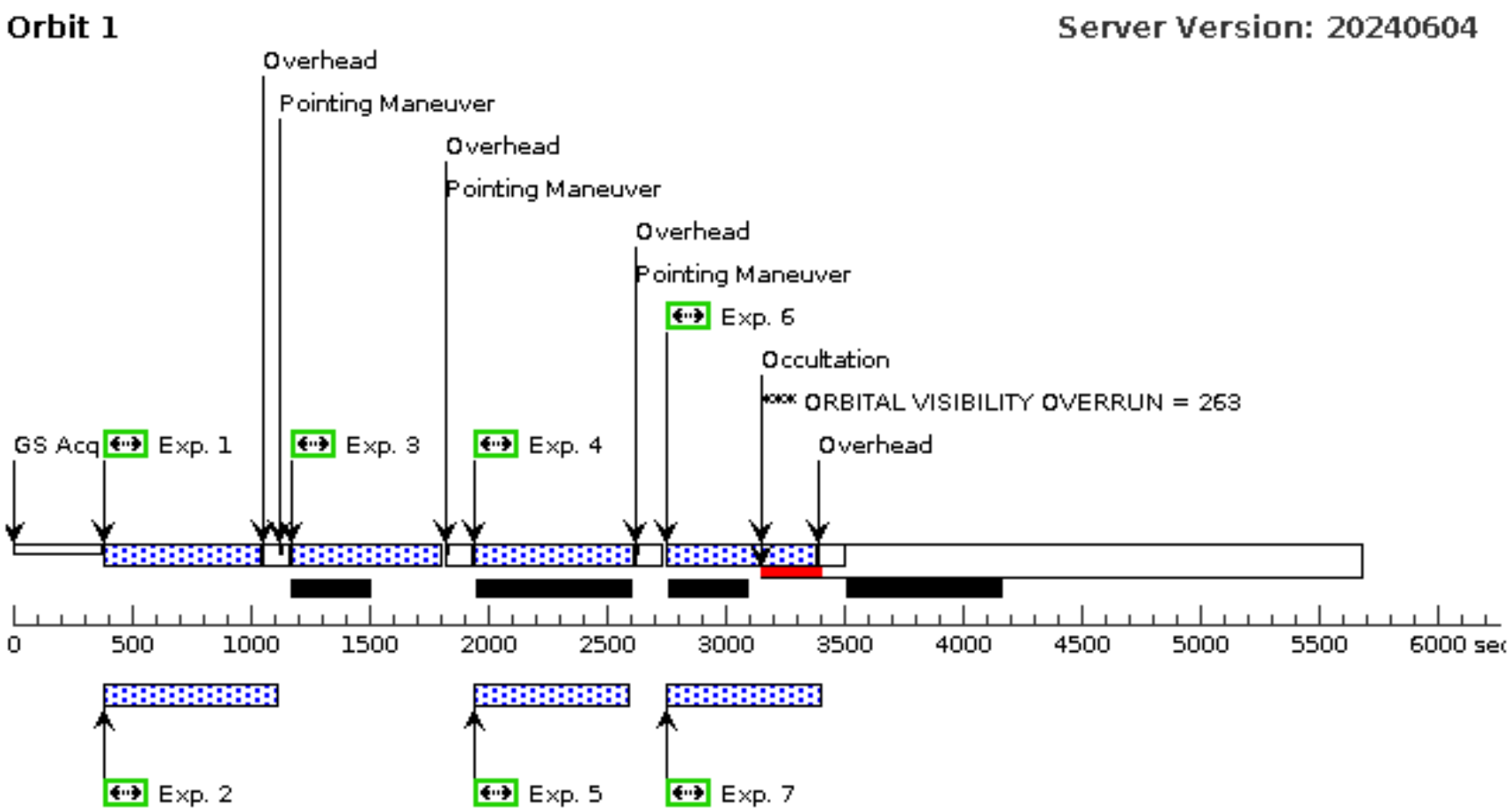
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[DWARF ELLIPTICAL]

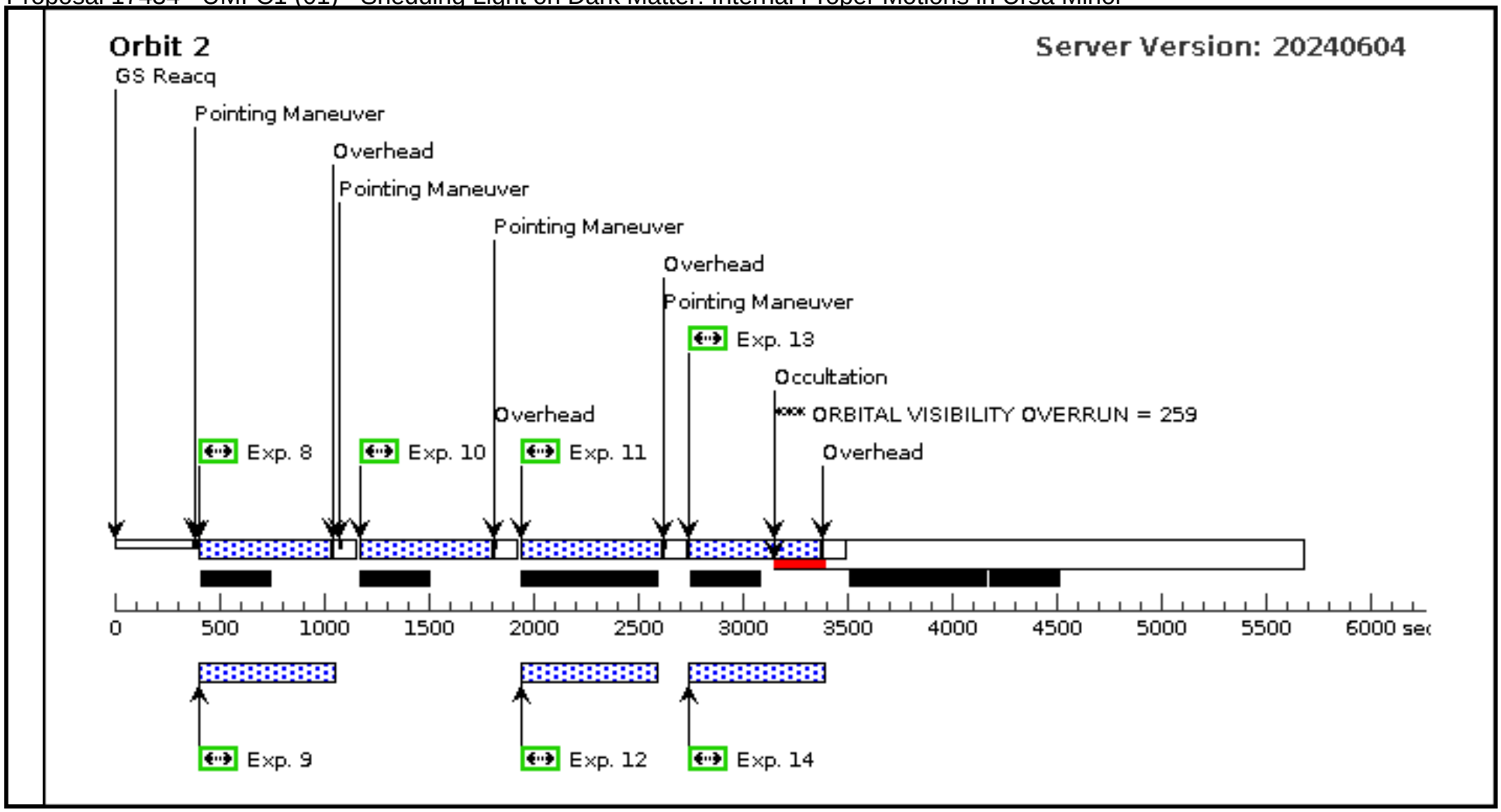
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000; GSPAIR N4QM000009F3N4QM000078F1; GS ACQ SCENARIO BASE1O3	Sequence 1-7 Non-Int in UMI-C1 (01) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-C1 (01)	629 Secs (629 Secs) *[==>]*	***[1]***
2		(1) UMI-C1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-C1 (01) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-C1 (01)	520 Secs (520 Secs) *[==>]*	***[1]***
3		(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502	Sequence 1-7 Non-Int in UMI-C1 (01)	630 Secs (630 Secs) *[==>]*	***[1]***
4		(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Sequence 1-7 Non-Int in UMI-C1 (01) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-C1 (01)	668 Secs (668 Secs) *[==>]*	***[1]***
5		(1) UMI-C1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-C1 (01) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-C1 (01)	520 Secs (520 Secs) *[==>]*	***[1]***
6		(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Sequence 1-7 Non-Int in UMI-C1 (01) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-C1 (01)	630 Secs (630 Secs) *[==>]*	***[1]***
7		(1) UMI-C1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-C1 (01) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-C1 (01)	520 Secs (520 Secs) *[==>]*	***[1]***
8		(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000	Sequence 8-14 Non-Int in UMI-C1 (01) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-C1 (01)	629 Secs (629 Secs) *[==>]*	***[2]***
9		(1) UMI-C1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-C1 (01) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-C1 (01)	520 Secs (520 Secs) *[==>]*	***[2]***
10		(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070	Sequence 8-14 Non-Int in UMI-C1 (01)	630 Secs (630 Secs) *[==>]*	***[2]***

	11	(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Sequence 8-14 Non-Int in UMI-C1 (01) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-C1 (01)	668 Secs (668 Secs) *[==>]*	***[2]***
	12	(1) UMI-C1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-C1 (01) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-C1 (01)	520 Secs (520 Secs) *[==>]*	***[2]***
	13	(1) UMI-C1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Sequence 8-14 Non-Int in UMI-C1 (01) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-C1 (01)	630 Secs (630 Secs) *[==>]*	***[2]***
	14	(1) UMI-C1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-C1 (01) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-C1 (01)	520 Secs (520 Secs) *[==>]*	***[2]***

Orbit Structure




Orbit 2
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GS Reacq
Pointing Maneuver
Overhead
Pointing Maneuver
Pointing Maneuver
Overhead
Pointing Maneuver
Exp. 13
Occultation
*** ORBITAL VISIBILITY OVERRUN = 259
Overhead
Exp. 8
Exp. 10
Exp. 11
Overhead
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec
Exp. 9
Exp. 12
Exp. 14

Visit

Proposal 17434, UMI-C2 (02), completed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 97.0D TO 97.0 D

Comments: This is a 2-orbit visit targeting the UMI-C2 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470.

Diagnostics

(UMI-C2 (02)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-C2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(UMI-C2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-C2 (02)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (Sequence 1-7 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 8 (Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Exposure 10 (Sequence 8-14 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 11 (Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-C2 (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	UMI-C2	RA: 15 09 17.1580 (227.3214917d) Dec: +67 11 49.29 (67.19703d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

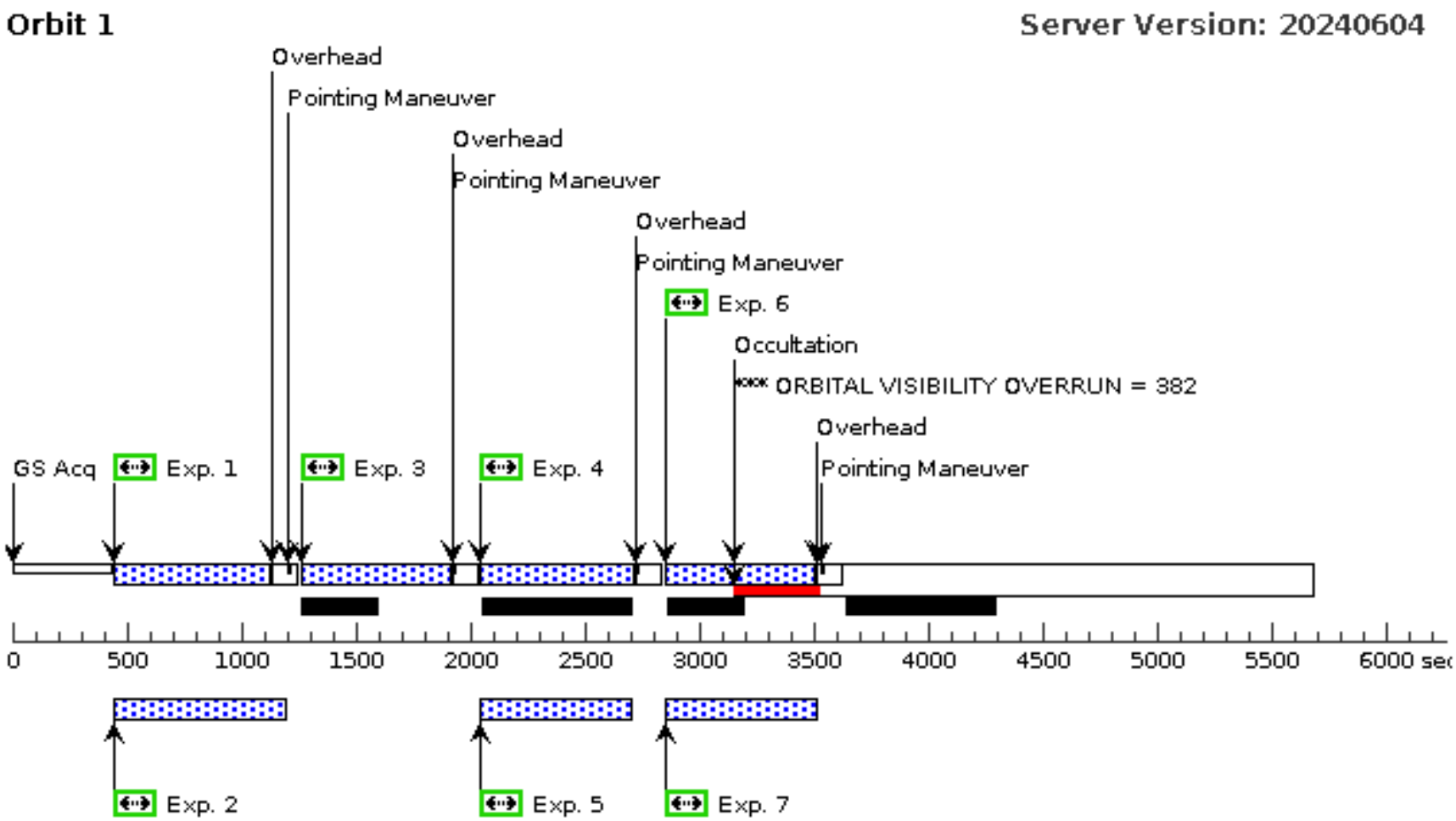
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[DWARF ELLIPTICAL]

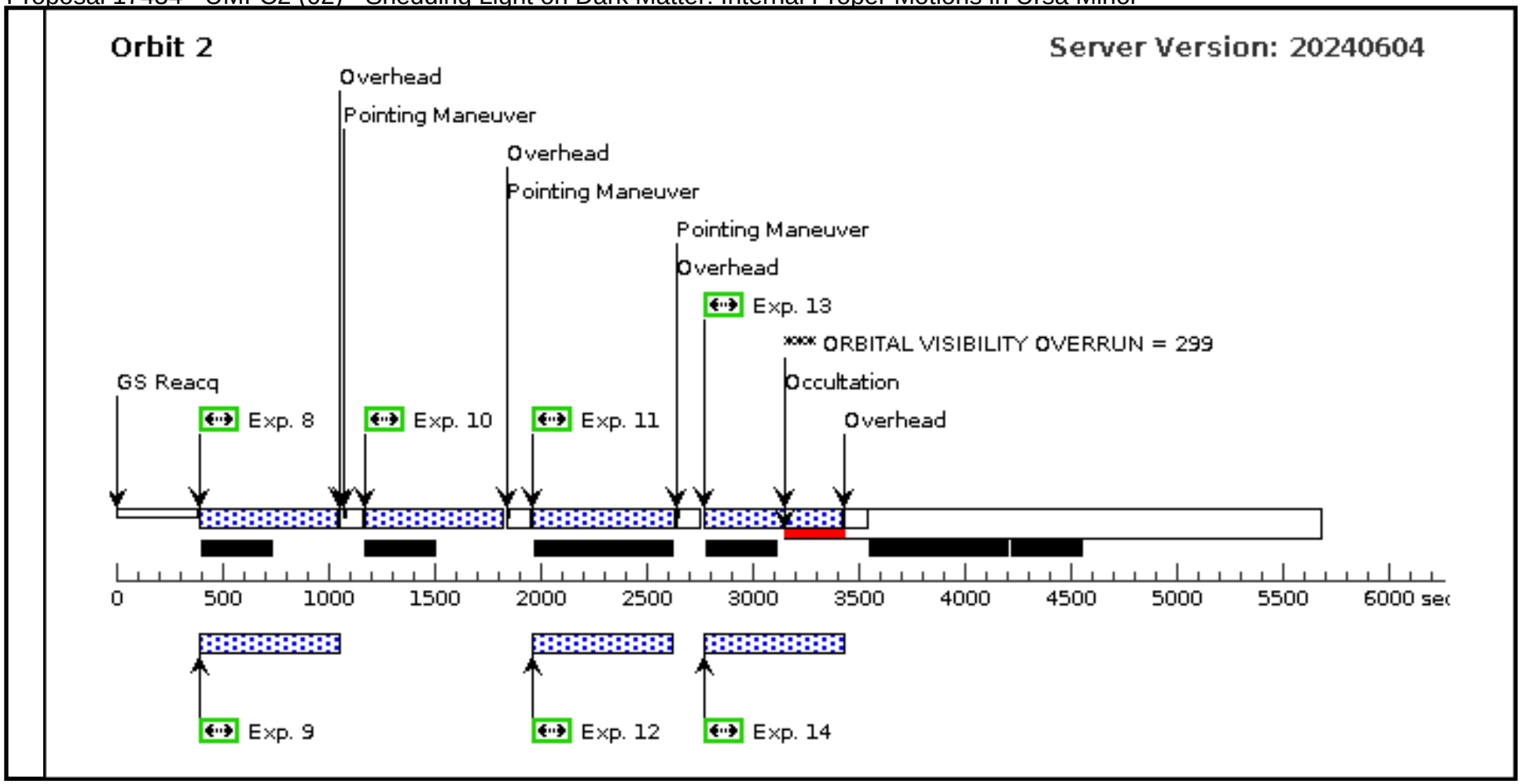
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000; GS ACQ SCENARIO BASE1BE	Sequence 1-7 Non-Int in UMI-C2 (02) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-C2 (02)	650 Secs (650 Secs) *[==>]*	***[1]***
2		(2) UMI-C2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-C2 (02) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-C2 (02)	535 Secs (535 Secs) *[==>]*	***[1]***
3		(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502	Sequence 1-7 Non-Int in UMI-C2 (02)	650 Secs (650 Secs) *[==>]*	***[1]***
4		(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Sequence 1-7 Non-Int in UMI-C2 (02) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-C2 (02)	668 Secs (668 Secs) *[==>]*	***[1]***
5		(2) UMI-C2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-C2 (02) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-C2 (02)	535 Secs (535 Secs) *[==>]*	***[1]***
6		(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Sequence 1-7 Non-Int in UMI-C2 (02) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-C2 (02)	650 Secs (650 Secs) *[==>]*	***[1]***
7		(2) UMI-C2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-C2 (02) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-C2 (02)	535 Secs (535 Secs) *[==>]*	***[1]***
8		(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000	Sequence 8-14 Non-Int in UMI-C2 (02) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-C2 (02)	650 Secs (650 Secs) *[==>]*	***[2]***
9		(2) UMI-C2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-C2 (02) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-C2 (02)	535 Secs (535 Secs) *[==>]*	***[2]***
10		(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070	Sequence 8-14 Non-Int in UMI-C2 (02)	650 Secs (650 Secs) *[==>]*	***[2]***

	11	(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Sequence 8-14 Non-Int in UMI-C2 (02) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-C2 (02)	668 Secs (668 Secs) *[==>]*	***[2]***
	12	(2) UMI-C2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-C2 (02) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-C2 (02)	535 Secs (535 Secs) *[==>]*	***[2]***
	13	(2) UMI-C2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Sequence 8-14 Non-Int in UMI-C2 (02) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-C2 (02)	650 Secs (650 Secs) *[==>]*	***[2]***
	14	(2) UMI-C2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-C2 (02) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-C2 (02)	535 Secs (535 Secs) *[==>]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20240604
Overhead
Pointing Maneuver
Overhead
Pointing Maneuver
Pointing Maneuver
Overhead
Exp. 13
*** ORBITAL VISIBILITY OVERRUN = 299
Occultation
Overhead
GS Reacq
Exp. 8
Exp. 10
Exp. 11
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec
Exp. 9
Exp. 12
Exp. 14

Visit

Proposal 17434, UMI-E1a (03), failed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 6.97D TO 6.97 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 2-orbit visit targeting the UMI-E1 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E1a (03)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E1a (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E1a (03))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E1a (03)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E1a (03))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E1a (03))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E1a (03))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

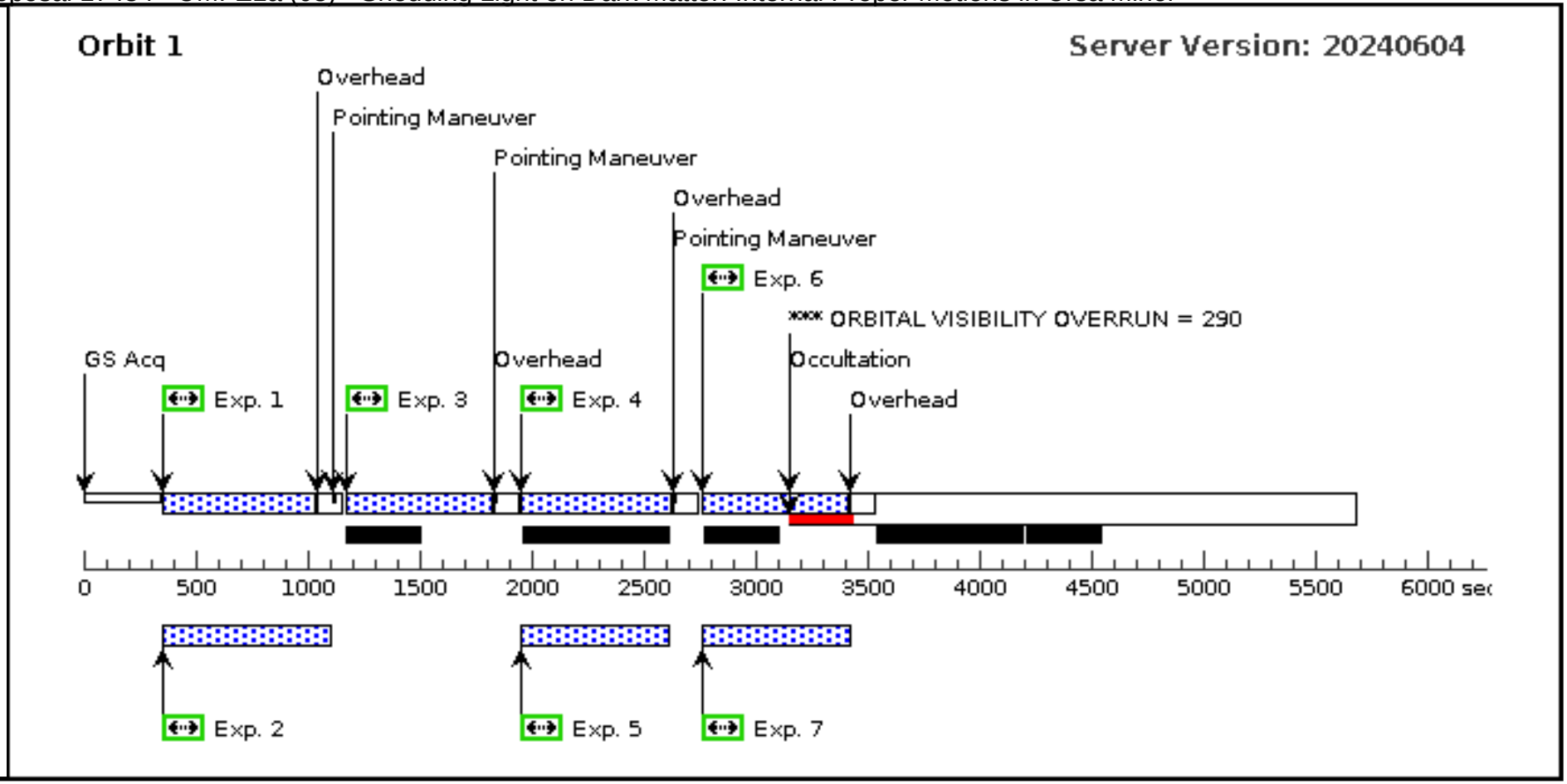
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	UMI-E1	RA: 15 10 15.3699 (227.5640412d) Dec: +67 19 47.59 (67.32989d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E1a (03)	650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E1a (03)	535 Secs (535 Secs) *[==>]*	 ***[1]***
3		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502		650 Secs (650 Secs) *[==>]*	 ***[1]***
4		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Prime + Parallel Group 4-5 in UMI-E1a (03)	668 Secs (668 Secs) *[==>]*	 ***[1]***
5		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E1a (03)	535 Secs (535 Secs) *[==>]*	 ***[1]***
6		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Prime + Parallel Group 6-7 in UMI-E1a (03)	650 Secs (650 Secs) *[==>]*	 ***[1]***
7		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E1a (03)	535 Secs (535 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E1a (13), scheduled Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 6.97D TO 6.97 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 2-orbit visit targeting the UMI-E1 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E1a (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

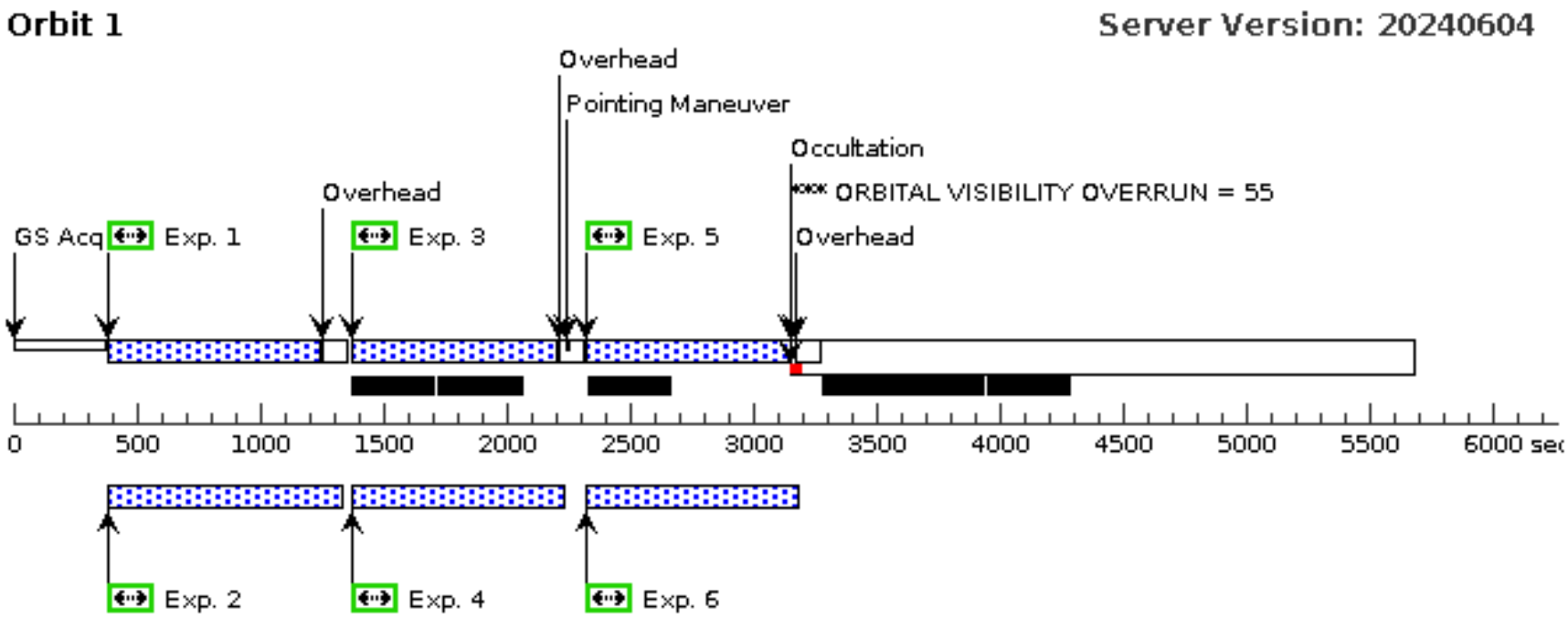
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	UMI-E1	RA: 15 10 15.3699 (227.5640412d) Dec: +67 19 47.59 (67.32989d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 45,-30; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E1a (13)	830 Secs (830 Secs) *[==>]*	 ***[1]***
2		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E1a (13)	740 Secs (740 Secs) *[==>]*	 ***[1]***
3		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 45,-30	Prime + Parallel Group 3-4 in UMI-E1a (13)	830 Secs (830 Secs) *[==>]*	 ***[1]***
4		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E1a (13)	740 Secs (740 Secs) *[==>]*	 ***[1]***
5		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 44.9404, -30.1524	Prime + Parallel Group 5-6 in UMI-E1a (13)	830 Secs (830 Secs) *[==>]*	 ***[1]***
6		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E1a (13)	740 Secs (740 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E1b (04), failed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 6.97D TO 6.97 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 2-orbit visit targeting the UMI-E1 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E1b (04)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E1b (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E1b (04))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E1b (04)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E1b (04))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E1b (04))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E1b (04))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

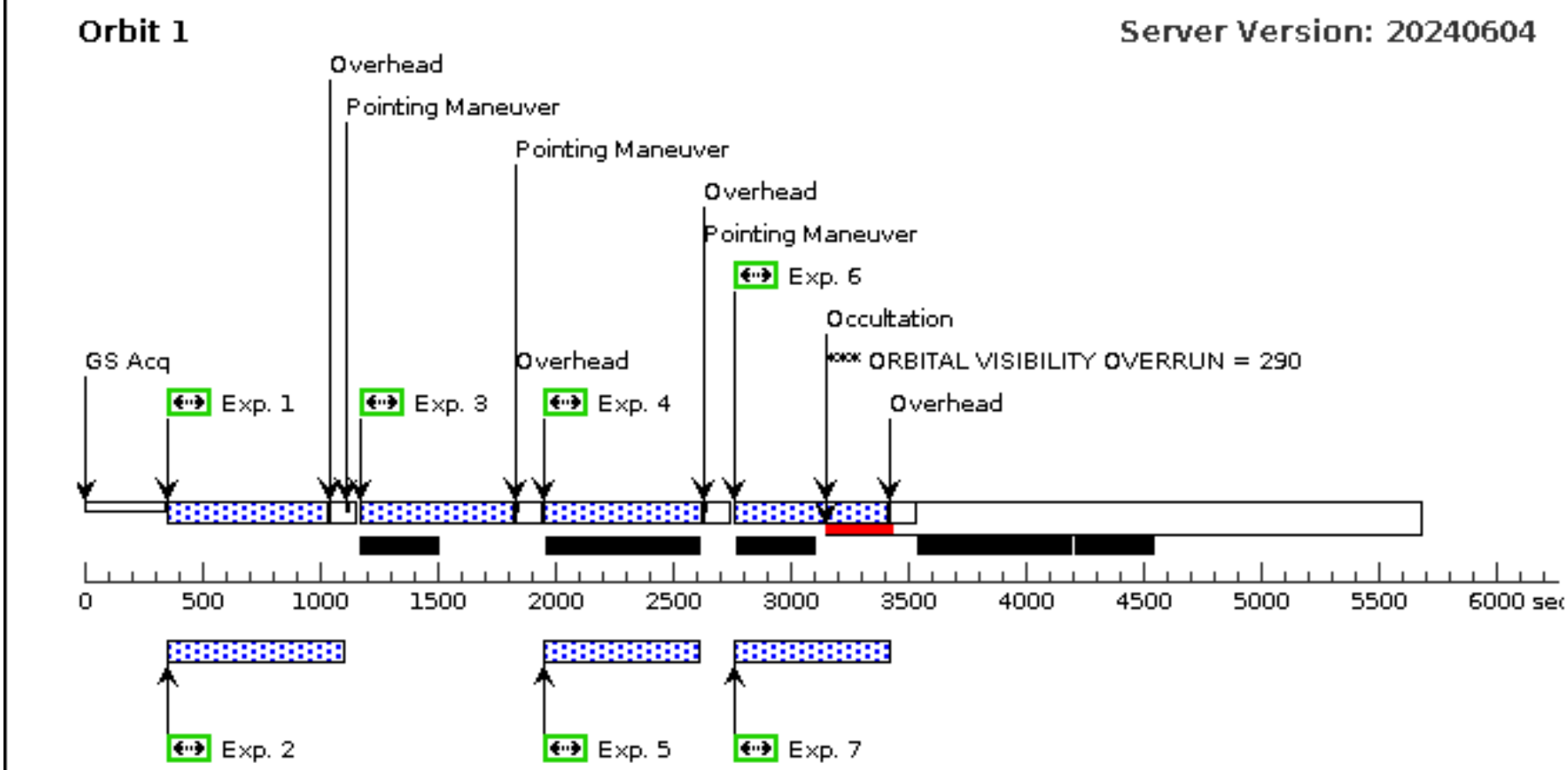
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	UMI-E1	RA: 15 10 15.3699 (227.5640412d) Dec: +67 19 47.59 (67.32989d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E1b (04)	650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E1b (04)	535 Secs (535 Secs) *[==>]*	 ***[1]***
3		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070		650 Secs (650 Secs) *[==>]*	 ***[1]***
4		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Prime + Parallel Group 4-5 in UMI-E1b (04)	668 Secs (668 Secs) *[==>]*	 ***[1]***
5		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E1b (04)	535 Secs (535 Secs) *[==>]*	 ***[1]***
6		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Prime + Parallel Group 6-7 in UMI-E1b (04)	650 Secs (650 Secs) *[==>]*	 ***[1]***
7		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E1b (04)	535 Secs (535 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E1b (14), scheduled Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 6.97D TO 6.97 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 2-orbit visit targeting the UMI-E1 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E1b (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

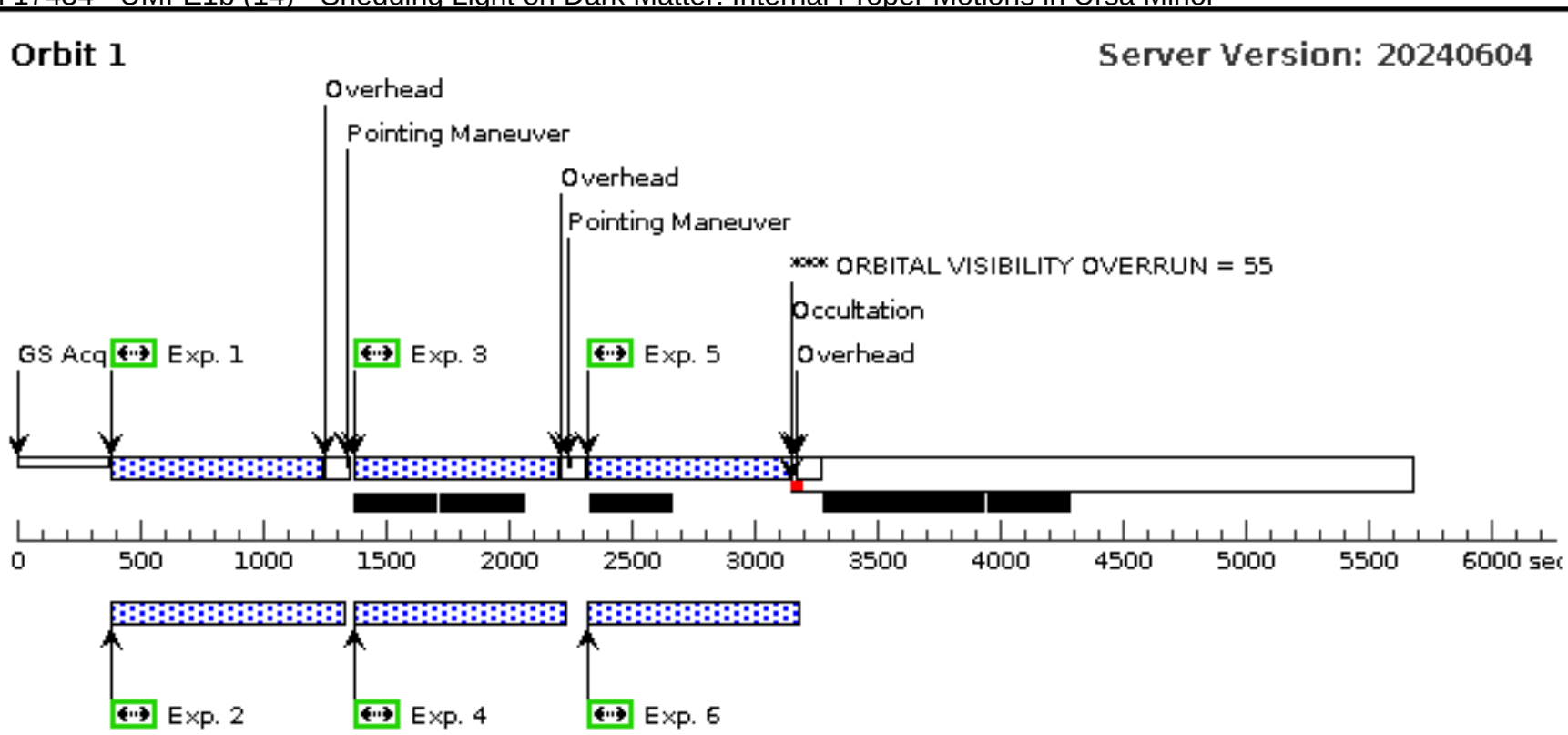
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	UMI-E1	RA: 15 10 15.3699 (227.5640412d) Dec: +67 19 47.59 (67.32989d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 50.000,-25; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E1b (14)	830 Secs (830 Secs) *[==>]*	 ***[1]***
2		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E1b (14)	740 Secs (740 Secs) *[==>]*	 ***[1]***
3		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 50.099,-25.165	Prime + Parallel Group 3-4 in UMI-E1b (14)	830 Secs (830 Secs) *[==>]*	 ***[1]***
4		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E1b (14)	740 Secs (740 Secs) *[==>]*	 ***[1]***
5		(3) UMI-E1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 49.940,-25.095	Prime + Parallel Group 5-6 in UMI-E1b (14)	830 Secs (830 Secs) *[==>]*	 ***[1]***
6		(3) UMI-E1	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E1b (14)	740 Secs (740 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E2a (05), failed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 7.03D TO 7.03 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 1-orbit visit targeting the UMI-E2 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E2a (05)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E2a (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E2a (05))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E2a (05)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E2a (05))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E2a (05))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E2a (05))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

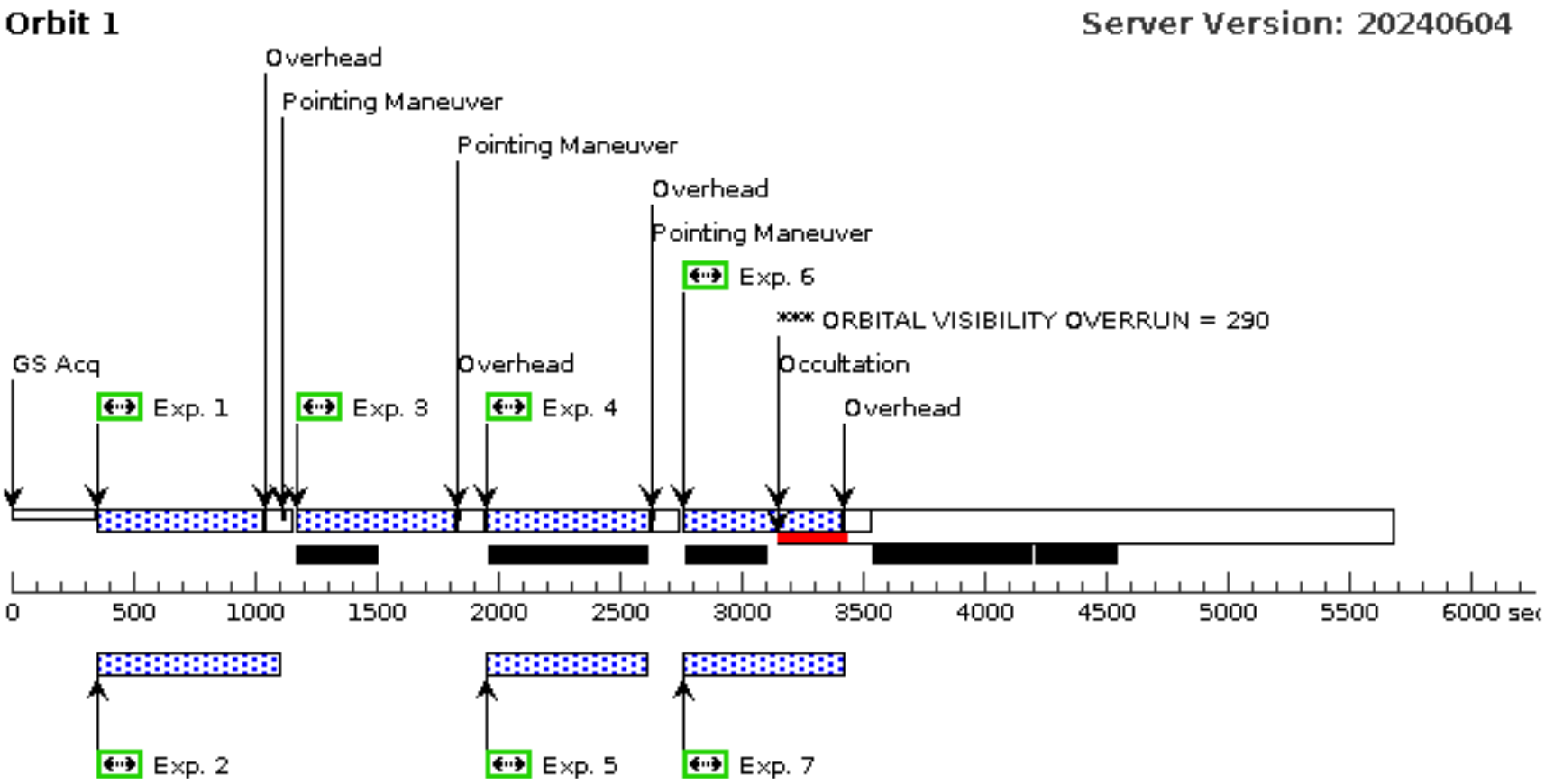
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	UMI-E2	RA: 15 10 30.5420 (227.6272583d) Dec: +67 17 38.75 (67.29410d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E2a (05)	650 Secs (650 Secs) *[==>]*	*[1]*
2		(4) UMI-E2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E2a (05)	535 Secs (535 Secs) *[==>]*	*[1]*
3		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502		650 Secs (650 Secs) *[==>]*	*[1]*
4		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Prime + Parallel Group 4-5 in UMI-E2a (05)	668 Secs (668 Secs) *[==>]*	*[1]*
5		(4) UMI-E2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E2a (05)	535 Secs (535 Secs) *[==>]*	*[1]*
6		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Prime + Parallel Group 6-7 in UMI-E2a (05)	650 Secs (650 Secs) *[==>]*	*[1]*
7		(4) UMI-E2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E2a (05)	535 Secs (535 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17434, UMI-E2a (15), implementation Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 343D TO 343 D

Comments: This is a 1-orbit visit targeting the UMI-E2 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Fixed Targets

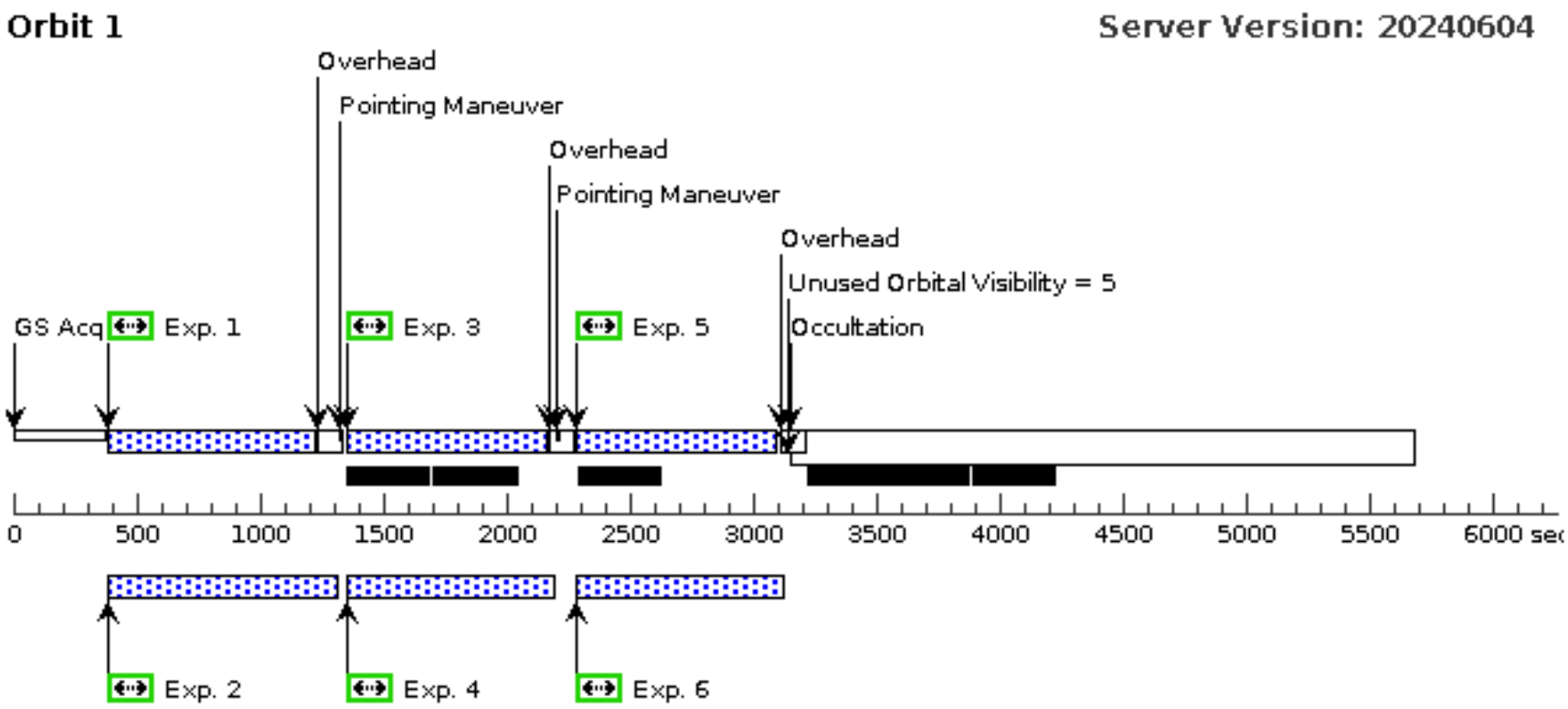
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	UMI-E2A	RA: 15 10 36.7516 (227.6531317d) Dec: +67 16 36.30 (67.27675d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(11) UMI-E2A	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0,0; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E2a (15)	810 Secs (810 Secs) *[==>]*	 ***[1]***
2		(11) UMI-E2A	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E2a (15)	720 Secs (720 Secs) *[==>]*	 ***[1]***
3		(11) UMI-E2A	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.145,+0.043	Prime + Parallel Group 3-4 in UMI-E2a (15)	810 Secs (810 Secs) *[==>]*	 ***[1]***
4		(11) UMI-E2A	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E2a (15)	720 Secs (720 Secs) *[==>]*	 ***[1]***
5		(11) UMI-E2A	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.212,+0.092	Prime + Parallel Group 5-6 in UMI-E2a (15)	810 Secs (810 Secs) *[==>]*	 ***[1]***
6		(11) UMI-E2A	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E2a (15)	720 Secs (720 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E2b (06), failed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 7.03D TO 7.03 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 1-orbit visit targeting the UMI-E2 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E2b (06)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E2b (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E2b (06))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E2b (06)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E2b (06))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E2b (06))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E2b (06))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

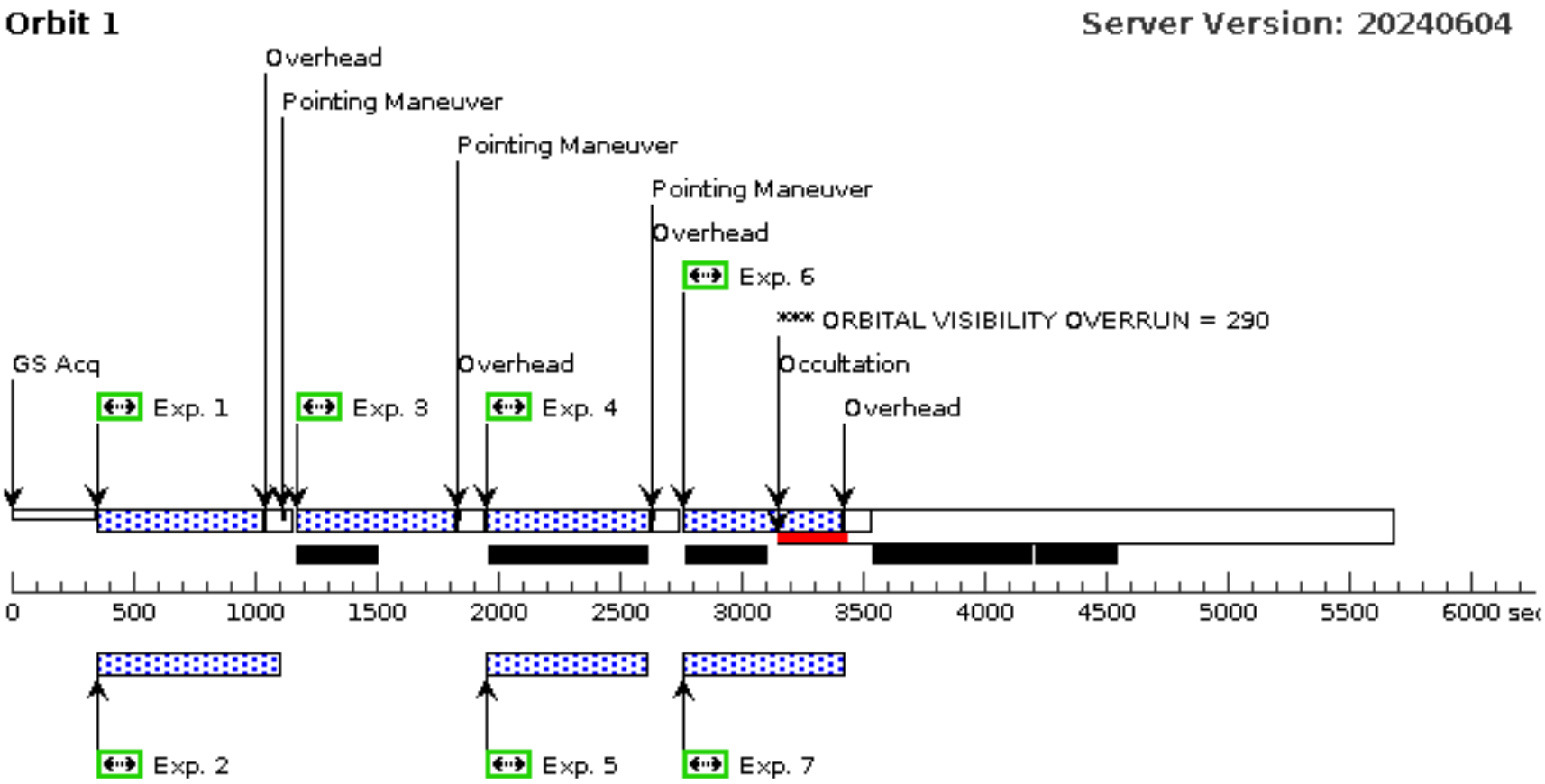
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	UMI-E2	RA: 15 10 30.5420 (227.6272583d) Dec: +67 17 38.75 (67.29410d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E2b (06)	650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(4) UMI-E2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E2b (06)	535 Secs (535 Secs) *[==>]*	 ***[1]***
3		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070		650 Secs (650 Secs) *[==>]*	 ***[1]***
4		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Prime + Parallel Group 4-5 in UMI-E2b (06)	668 Secs (668 Secs) *[==>]*	 ***[1]***
5		(4) UMI-E2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E2b (06)	535 Secs (535 Secs) *[==>]*	 ***[1]***
6		(4) UMI-E2	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Prime + Parallel Group 6-7 in UMI-E2b (06)	650 Secs (650 Secs) *[==>]*	 ***[1]***
7		(4) UMI-E2	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E2b (06)	535 Secs (535 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E2b (16), implementation Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 343D TO 343 D

Comments: This is a 1-orbit visit targeting the UMI-E2 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Fixed Targets

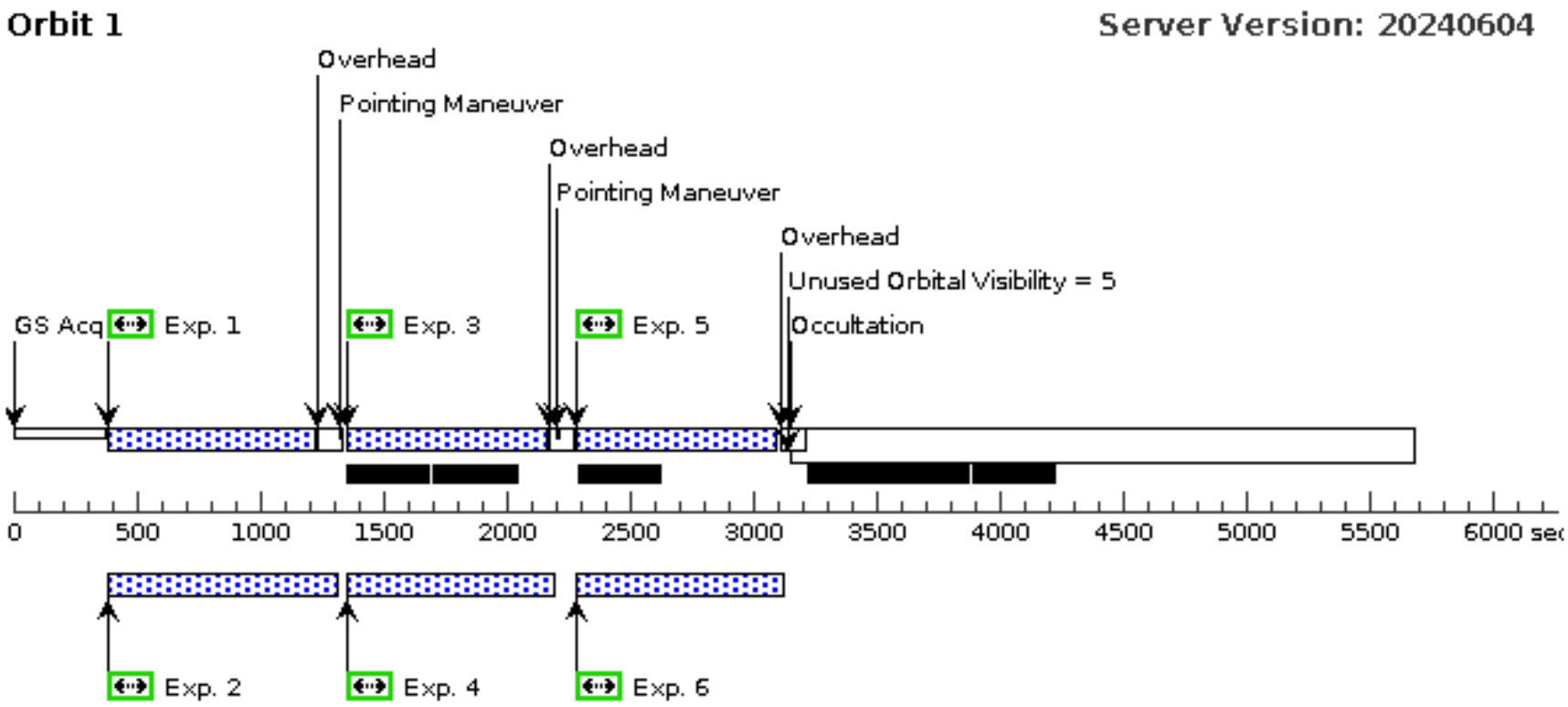
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	UMI-E2B	RA: 15 10 36.8183 (227.6534096d) Dec: +67 16 37.30 (67.27703d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(12) UMI-E2B	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0,0; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E2b (16)	810 Secs (810 Secs) *[==>]*	 ***[1]***
2		(12) UMI-E2B	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E2b (16)	720 Secs (720 Secs) *[==>]*	 ***[1]***
3		(12) UMI-E2B	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.145,+0.043	Prime + Parallel Group 3-4 in UMI-E2b (16)	810 Secs (810 Secs) *[==>]*	 ***[1]***
4		(12) UMI-E2B	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E2b (16)	720 Secs (720 Secs) *[==>]*	 ***[1]***
5		(12) UMI-E2B	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.212,+0.092	Prime + Parallel Group 5-6 in UMI-E2b (16)	810 Secs (810 Secs) *[==>]*	 ***[1]***
6		(12) UMI-E2B	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E2b (16)	720 Secs (720 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E3a (07), failed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 5.15D TO 5.15 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 1-orbit visit targeting the UMI-E3 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E3a (07)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E3a (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E3a (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E3a (07)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E3a (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E3a (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E3a (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

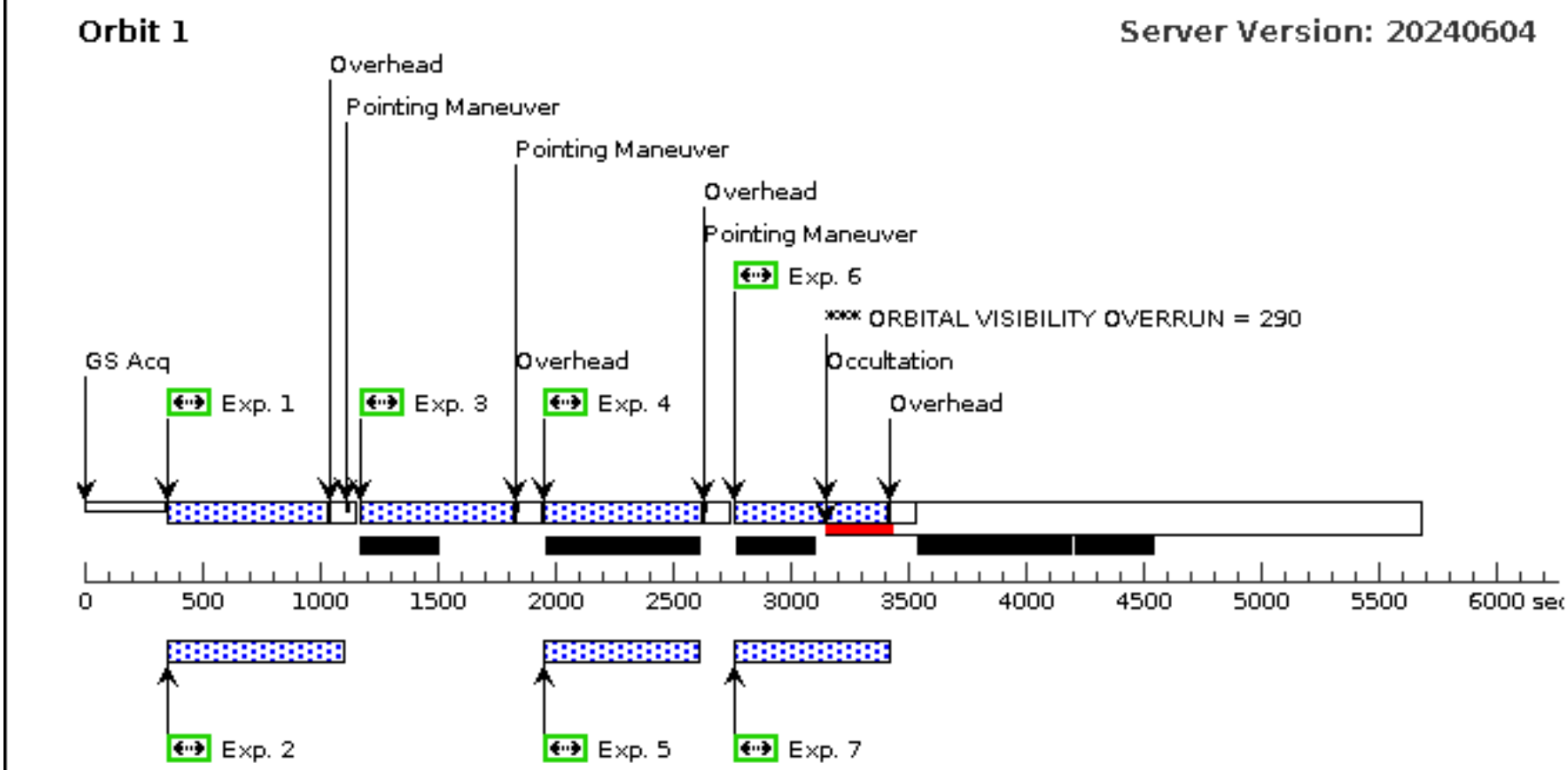
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	UMI-E3	RA: 15 10 35.3038 (227.6470992d) Dec: +67 21 19.57 (67.35544d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E3a (07)	650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(5) UMI-E3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E3a (07)	535 Secs (535 Secs) *[==>]*	 ***[1]***
3		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502		650 Secs (650 Secs) *[==>]*	 ***[1]***
4		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Prime + Parallel Group 4-5 in UMI-E3a (07)	668 Secs (668 Secs) *[==>]*	 ***[1]***
5		(5) UMI-E3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E3a (07)	535 Secs (535 Secs) *[==>]*	 ***[1]***
6		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Prime + Parallel Group 6-7 in UMI-E3a (07)	650 Secs (650 Secs) *[==>]*	 ***[1]***
7		(5) UMI-E3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E3a (07)	535 Secs (535 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E3a (17), implementation Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 335D TO 337 D

Comments: This is a 1-orbit visit targeting the UMI-E3 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470.

Fixed Targets

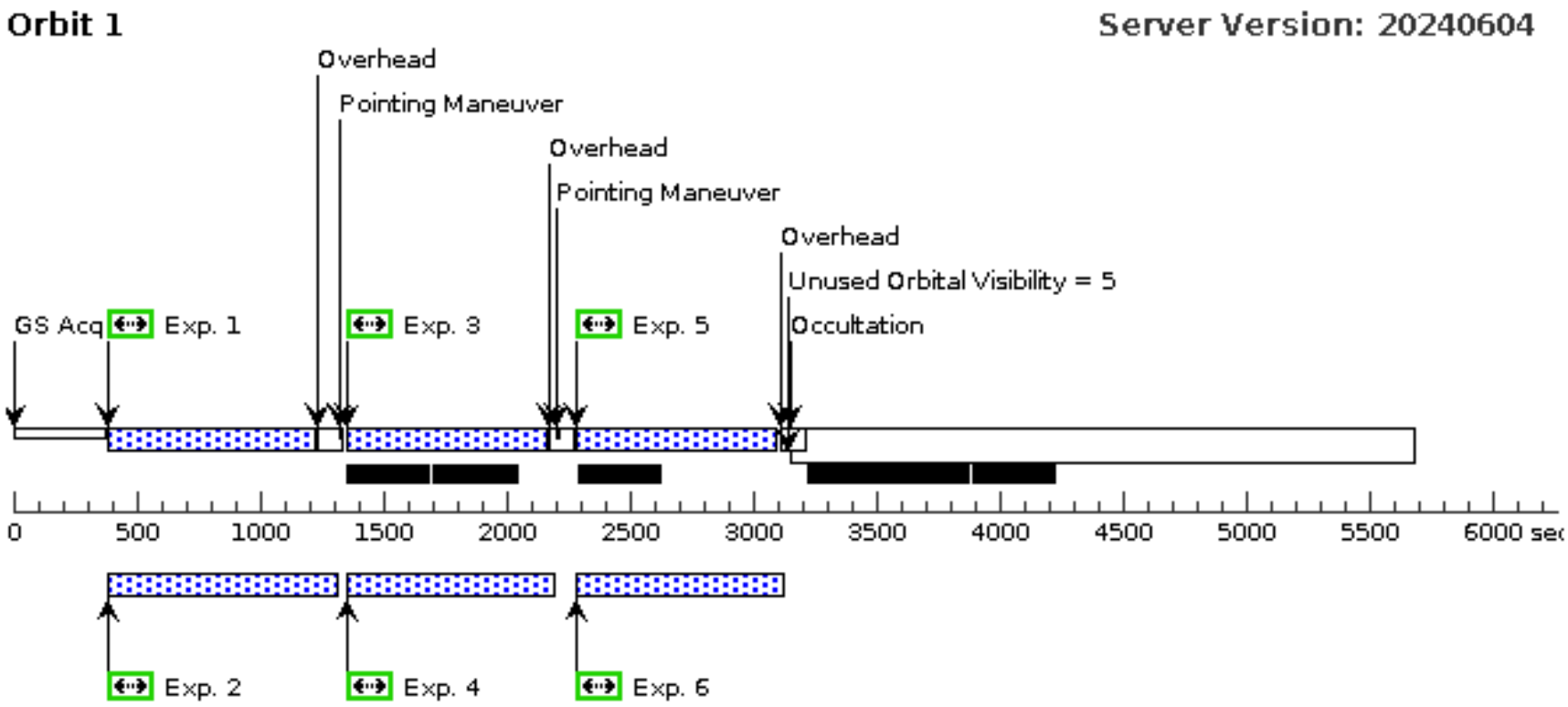
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	UMI-E3	RA: 15 10 35.3038 (227.6470992d) Dec: +67 21 19.57 (67.35544d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0,0; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E3a (17)	810 Secs (810 Secs) *[==>]*	 ***[1]***
2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E3a (17)	720 Secs (720 Secs) *[==>]*	 ***[1]***
3		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.145,+0.043	Prime + Parallel Group 3-4 in UMI-E3a (17)	810 Secs (810 Secs) *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E3a (17)	720 Secs (720 Secs) *[==>]*	 ***[1]***
5		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.212,+0.092	Prime + Parallel Group 5-6 in UMI-E3a (17)	810 Secs (810 Secs) *[==>]*	 ***[1]***
6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E3a (17)	720 Secs (720 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E3b (08), failed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 5.15D TO 5.15 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 1-orbit visit targeting the UMI-E3 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E3b (08)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E3b (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E3b (08))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E3b (08)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E3b (08))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E3b (08))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E3b (08))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

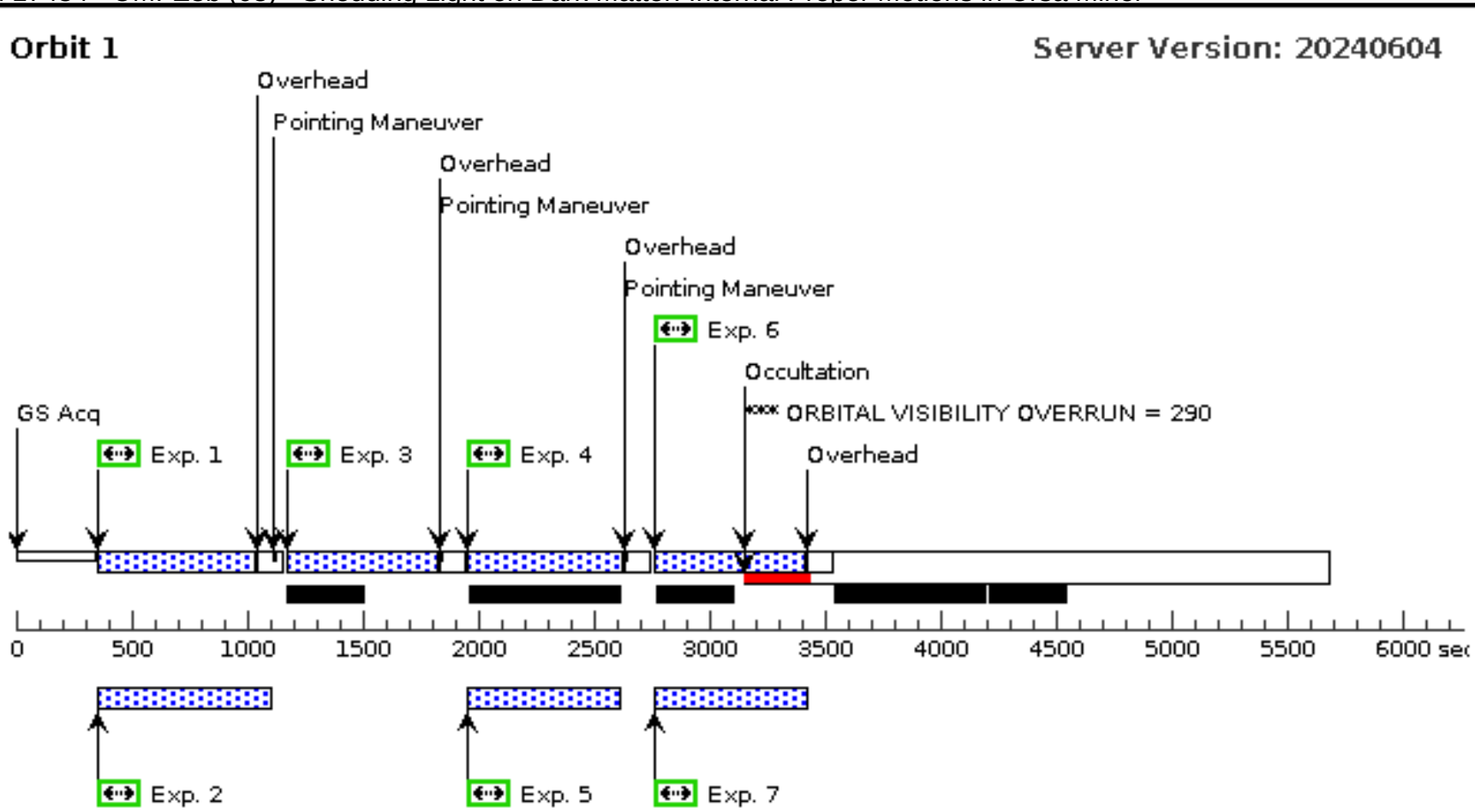
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	UMI-E3	RA: 15 10 35.3038 (227.6470992d) Dec: +67 21 19.57 (67.35544d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E3b (08)	650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(5) UMI-E3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E3b (08)	535 Secs (535 Secs) *[==>]*	 ***[1]***
3		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070		650 Secs (650 Secs) *[==>]*	 ***[1]***
4		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Prime + Parallel Group 4-5 in UMI-E3b (08)	668 Secs (668 Secs) *[==>]*	 ***[1]***
5		(5) UMI-E3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E3b (08)	535 Secs (535 Secs) *[==>]*	 ***[1]***
6		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Prime + Parallel Group 6-7 in UMI-E3b (08)	650 Secs (650 Secs) *[==>]*	 ***[1]***
7		(5) UMI-E3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E3b (08)	535 Secs (535 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E3b (18), implementation Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SAME ORIENT AS 17

Comments: This is a 1-orbit visit targeting the UMI-E3 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Fixed Targets

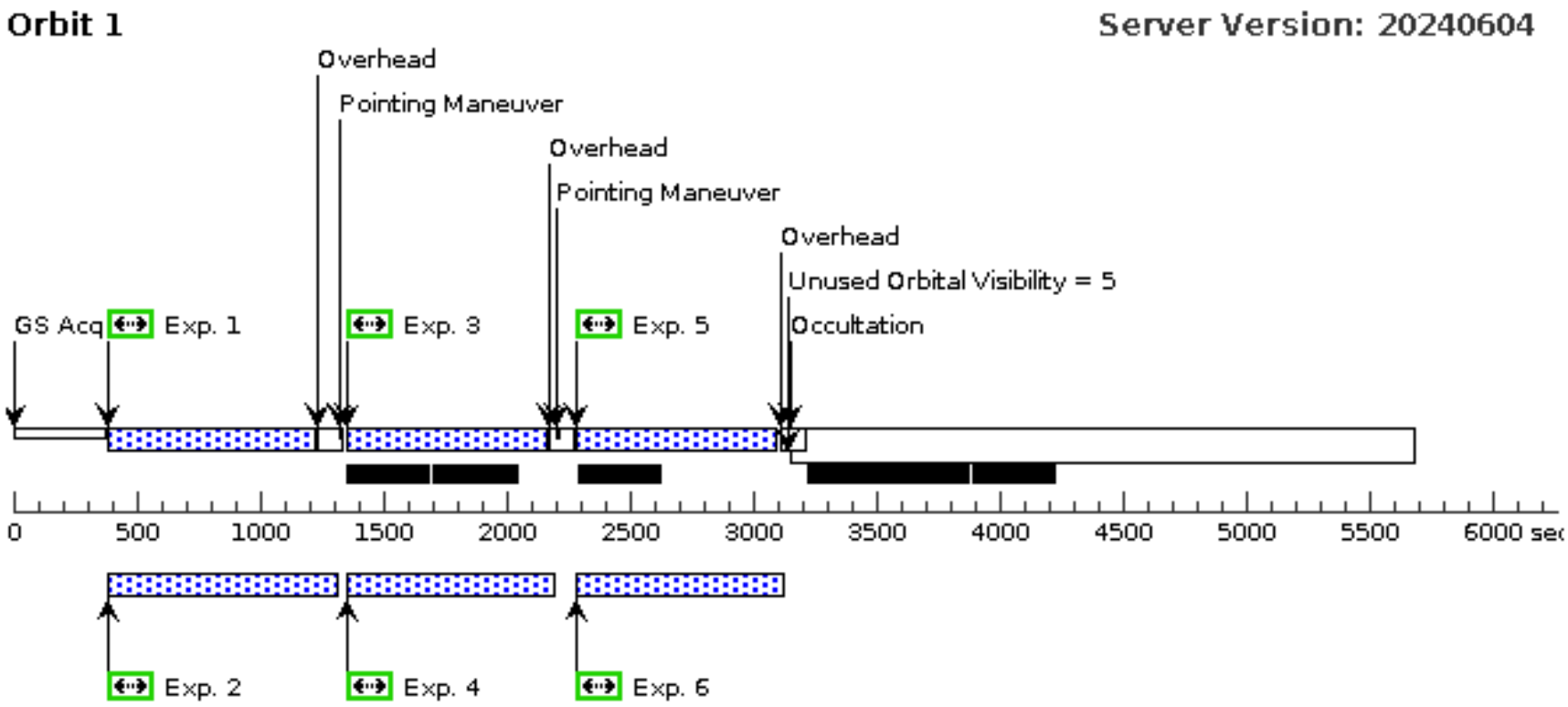
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	UMI-E3	RA: 15 10 35.3038 (227.6470992d) Dec: +67 21 19.57 (67.35544d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0,0; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E3b (18)	810 Secs (810 Secs) *[==>]*	 ***[1]***
2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E3b (18)	720 Secs (720 Secs) *[==>]*	 ***[1]***
3		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.145,+0.043	Prime + Parallel Group 3-4 in UMI-E3b (18)	810 Secs (810 Secs) *[==>]*	 ***[1]***
4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E3b (18)	720 Secs (720 Secs) *[==>]*	 ***[1]***
5		(5) UMI-E3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.212,+0.092	Prime + Parallel Group 5-6 in UMI-E3b (18)	810 Secs (810 Secs) *[==>]*	 ***[1]***
6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E3b (18)	720 Secs (720 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E4a (09), failed Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 5.21D TO 5.21 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 1-orbit visit targeting the UMI-E4 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E4a (09)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E4a (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E4a (09))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E4a (09)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E4a (09))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E4a (09))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E4a (09))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

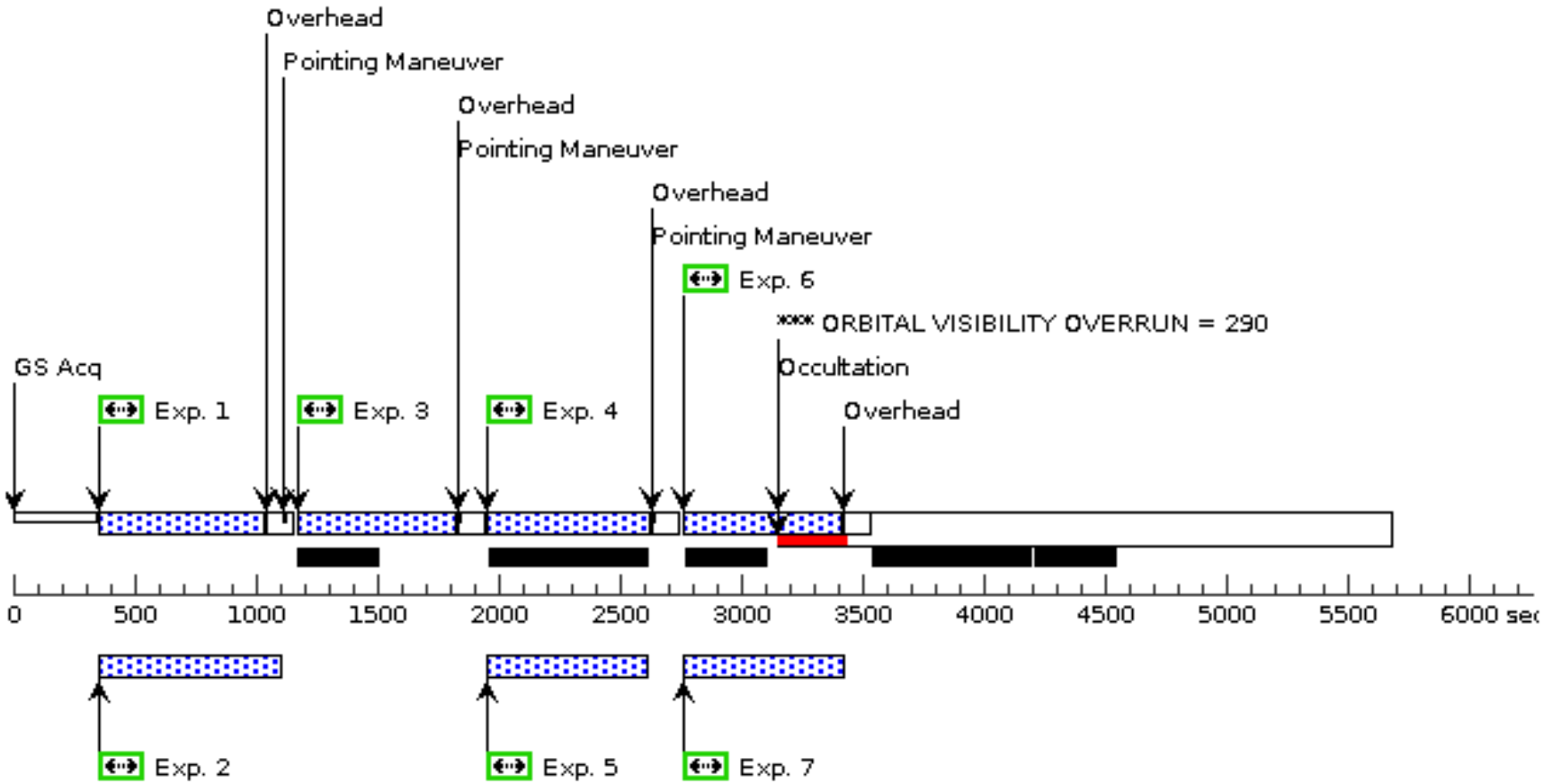
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	UMI-E4	RA: 15 10 51.3611 (227.7140046d) Dec: +67 19 22.04 (67.32279d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E4a (09)	650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(6) UMI-E4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E4a (09)	535 Secs (535 Secs) *[==>]*	 ***[1]***
3		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502		650 Secs (650 Secs) *[==>]*	 ***[1]***
4		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Prime + Parallel Group 4-5 in UMI-E4a (09)	668 Secs (668 Secs) *[==>]*	 ***[1]***
5		(6) UMI-E4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E4a (09)	535 Secs (535 Secs) *[==>]*	 ***[1]***
6		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Prime + Parallel Group 6-7 in UMI-E4a (09)	650 Secs (650 Secs) *[==>]*	 ***[1]***
7		(6) UMI-E4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E4a (09)	535 Secs (535 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E4a (19), implementation Mon Nov 11 22:00:38 GMT 2024

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 350.7D TO 350.8 D

Comments: This is a 1-orbit visit targeting the UMI-E4 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Fixed Targets

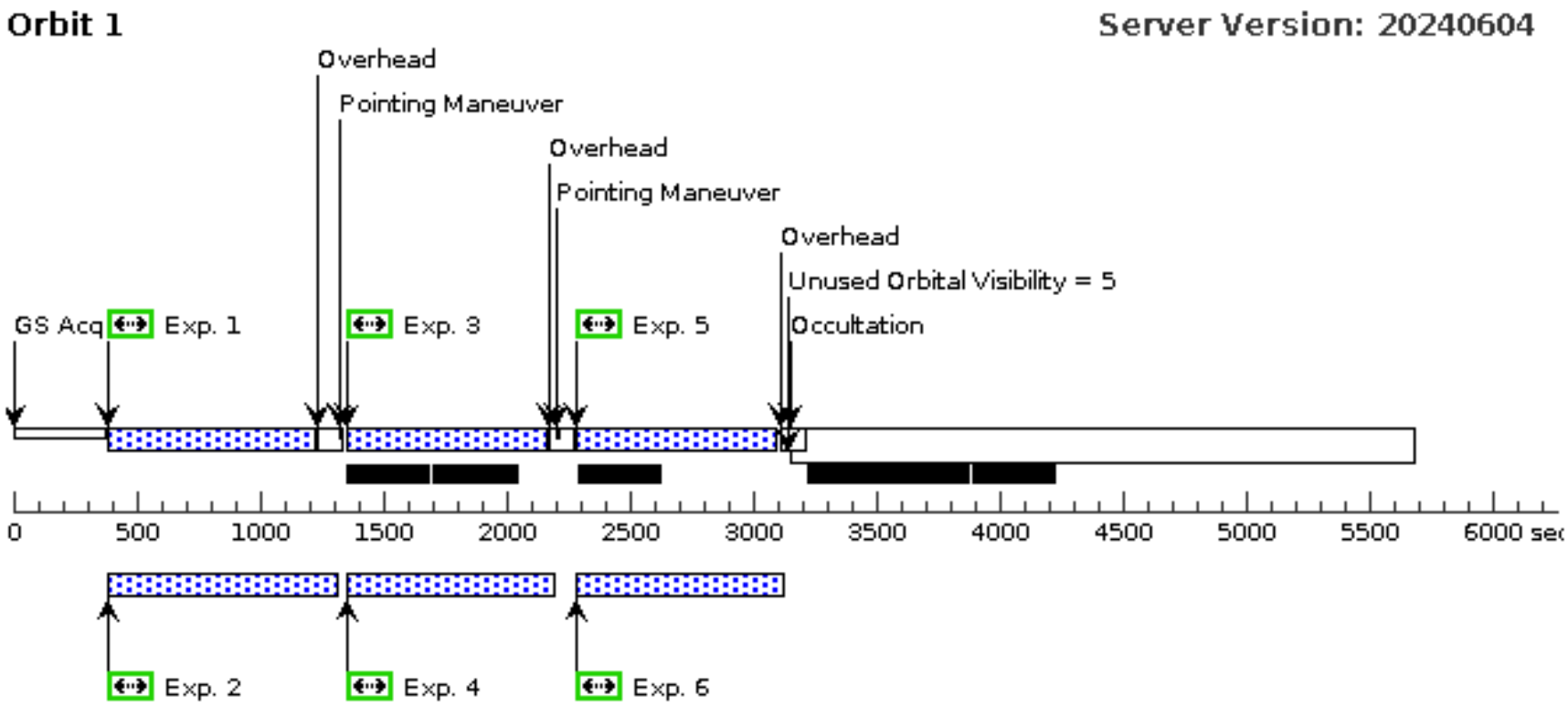
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	UMI-E4A	RA: 15 11 0.7297 (227.7530404d) Dec: +67 18 52.86 (67.31468d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(9) UMI-E4A	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0,0; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E4a (19)	810 Secs (810 Secs) *[==>]*	 ***[1]***
2		(9) UMI-E4A	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E4a (19)	720 Secs (720 Secs) *[==>]*	 ***[1]***
3		(9) UMI-E4A	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.145,+0.043	Prime + Parallel Group 3-4 in UMI-E4a (19)	810 Secs (810 Secs) *[==>]*	 ***[1]***
4		(9) UMI-E4A	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E4a (19)	720 Secs (720 Secs) *[==>]*	 ***[1]***
5		(9) UMI-E4A	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.212,+0.092	Prime + Parallel Group 5-6 in UMI-E4a (19)	810 Secs (810 Secs) *[==>]*	 ***[1]***
6		(9) UMI-E4A	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E4a (19)	720 Secs (720 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E4b (10), failed Mon Nov 11 22:00:39 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 5.21D TO 5.21 D; BEFORE 01-JAN-2025:00:00:00

Comments: This is a 1-orbit visit targeting the UMI-E4 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Diagnostics

(UMI-E4b (10)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

(UMI-E4b (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E4b (10))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 1 (Prime + Parallel Group 1-2 in UMI-E4b (10)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.

(Exposure 3 (UMI-E4b (10))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in UMI-E4b (10))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in UMI-E4b (10))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

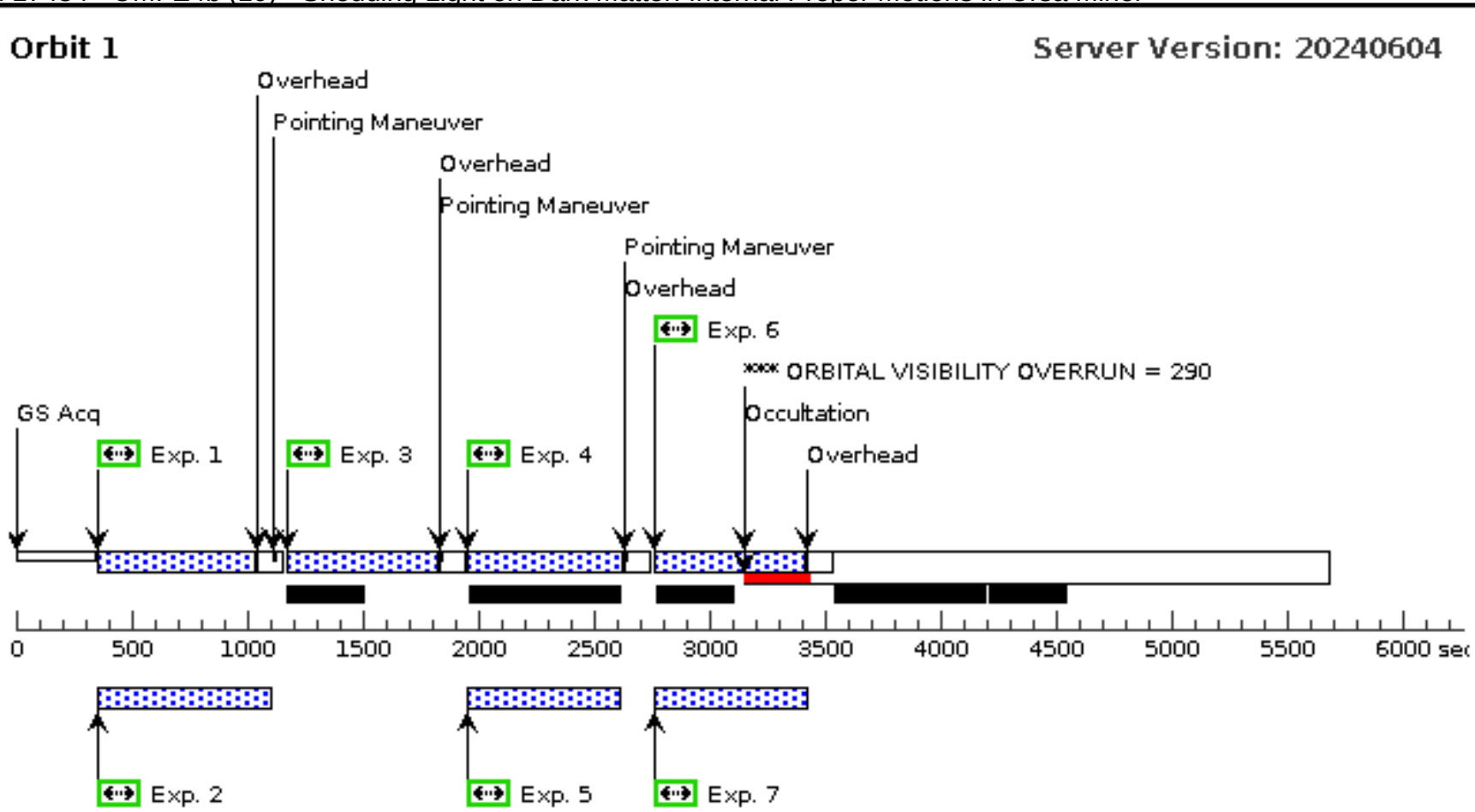
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	UMI-E4	RA: 15 10 51.3611 (227.7140046d) Dec: +67 19 22.04 (67.32279d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000; GS ACQ SCENARIO ONEB1BE	Prime + Parallel Group 1-2 in UMI-E4b (10)	650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(6) UMI-E4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 1-2 in UMI-E4b (10)	535 Secs (535 Secs) *[==>]*	 ***[1]***
3		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070		650 Secs (650 Secs) *[==>]*	 ***[1]***
4		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Prime + Parallel Group 4-5 in UMI-E4b (10)	668 Secs (668 Secs) *[==>]*	 ***[1]***
5		(6) UMI-E4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 4-5 in UMI-E4b (10)	535 Secs (535 Secs) *[==>]*	 ***[1]***
6		(6) UMI-E4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Prime + Parallel Group 6-7 in UMI-E4b (10)	650 Secs (650 Secs) *[==>]*	 ***[1]***
7		(6) UMI-E4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Prime + Parallel Group 6-7 in UMI-E4b (10)	535 Secs (535 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-E4b (20), implementation Mon Nov 11 22:00:39 GMT 2024

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SAME ORIENT AS 19

Comments: This is a 1-orbit visit targeting the UMI-E4 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470. We also added Timing Requirements of BEFORE 01-JAN-2025 to ensure that this visit is observed by the end of Cycle 31.

Fixed Targets

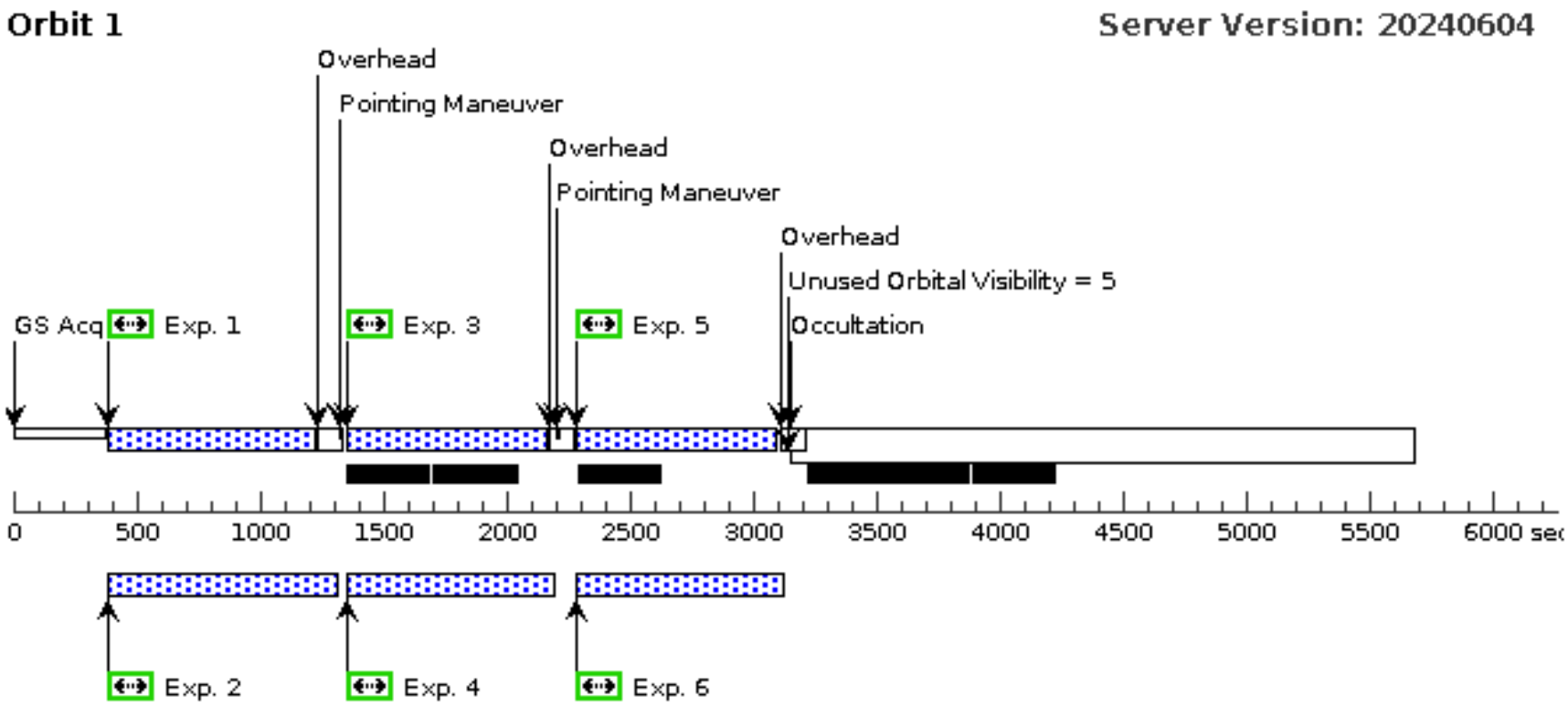
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	UMI-E4B	RA: 15 11 0.7964 (227.7533183d) Dec: +67 18 53.86 (67.31496d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(10) UMI-E4B	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0,0; GS ACQ SCENARIO BASE1O3	Prime + Parallel Group 1-2 in UMI-E4b (20)	810 Secs (810 Secs) *[==>]*	 ***[1]***
2		(10) UMI-E4B	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in UMI-E4b (20)	720 Secs (720 Secs) *[==>]*	 ***[1]***
3		(10) UMI-E4B	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.145,+0.043	Prime + Parallel Group 3-4 in UMI-E4b (20)	810 Secs (810 Secs) *[==>]*	 ***[1]***
4		(10) UMI-E4B	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in UMI-E4b (20)	720 Secs (720 Secs) *[==>]*	 ***[1]***
5		(10) UMI-E4B	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -0.212,+0.092	Prime + Parallel Group 5-6 in UMI-E4b (20)	810 Secs (810 Secs) *[==>]*	 ***[1]***
6		(10) UMI-E4B	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in UMI-E4b (20)	720 Secs (720 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 17434, UMI-W3 (11), completed Mon Nov 11 22:00:39 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 185.15D TO 185.15 D

Comments: This is a 2-orbit visit targeting the UMI-W3 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470.

Diagnostics

(UMI-W3 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(UMI-W3 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Exposure 3 (Sequence 1-7 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 8 (Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Exposure 10 (Sequence 8-14 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 11 (Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-W3 (11))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	UMI-W3	RA: 15 07 25.6137 (226.8567238d) Dec: +67 06 16.71 (67.10464d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

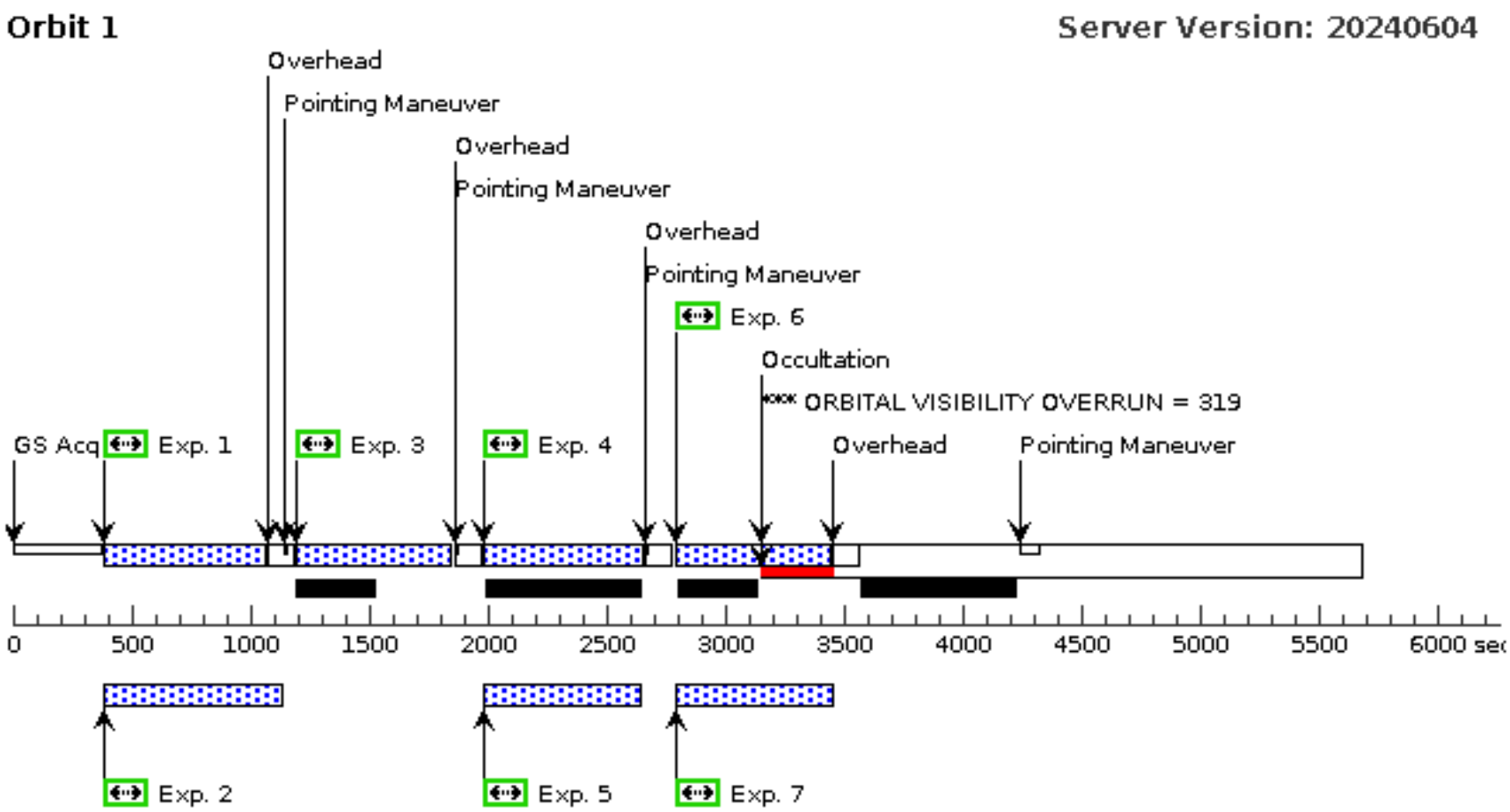
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[DWARF ELLIPTICAL]

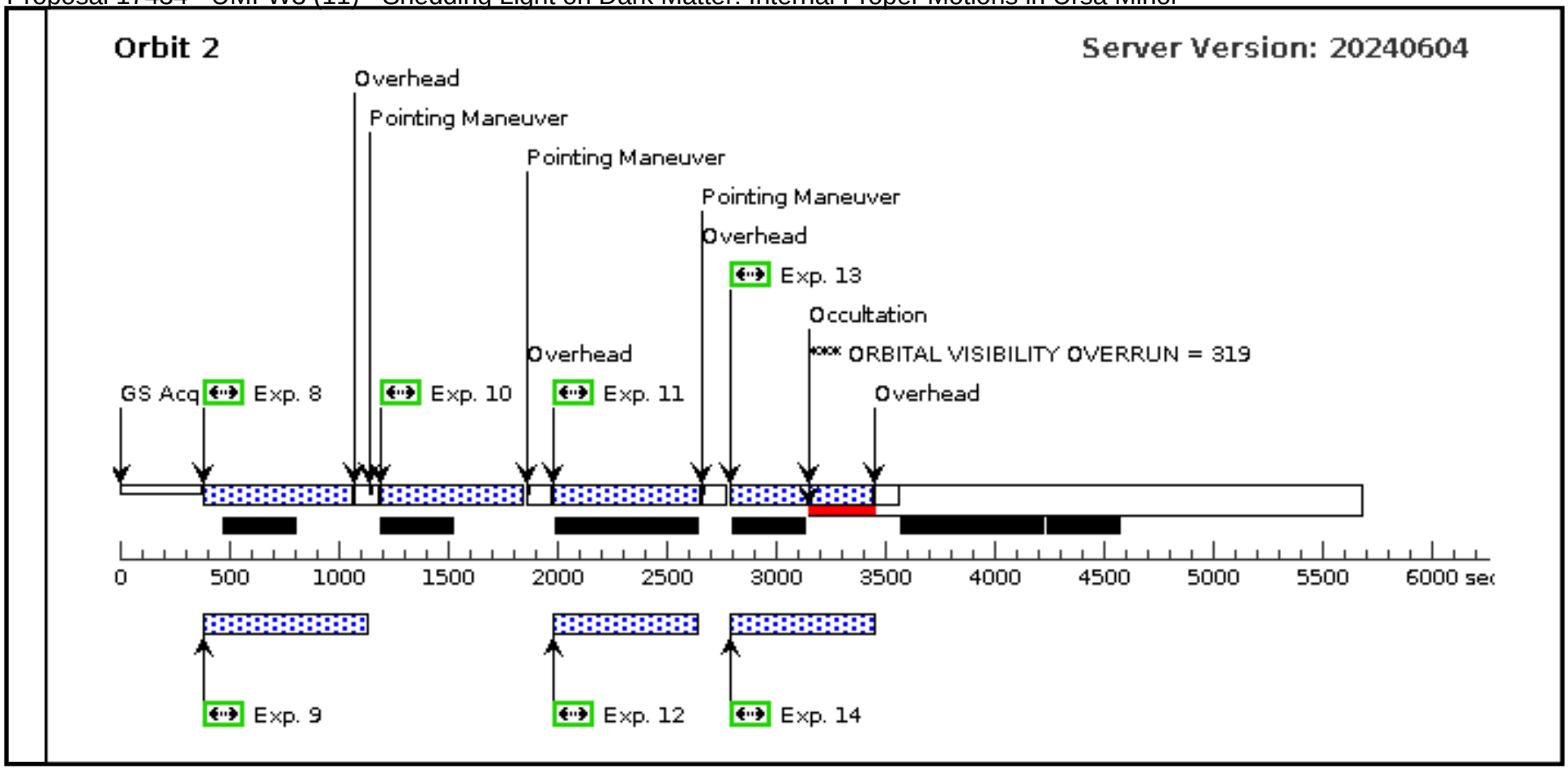
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000	Sequence 1-7 Non-Int in UMI-W3 (11) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-W3 (11)	650 Secs (650 Secs) *[==>]*	***[1]***
2		(7) UMI-W3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-W3 (11) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-W3 (11)	535 Secs (535 Secs) *[==>]*	***[1]***
3		(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502	Sequence 1-7 Non-Int in UMI-W3 (11)	650 Secs (650 Secs) *[==>]*	***[1]***
4		(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Sequence 1-7 Non-Int in UMI-W3 (11) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-W3 (11)	668 Secs (668 Secs) *[==>]*	***[1]***
5		(7) UMI-W3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-W3 (11) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-W3 (11)	535 Secs (535 Secs) *[==>]*	***[1]***
6		(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Sequence 1-7 Non-Int in UMI-W3 (11) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-W3 (11)	650 Secs (650 Secs) *[==>]*	***[1]***
7		(7) UMI-W3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-W3 (11) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-W3 (11)	535 Secs (535 Secs) *[==>]*	***[1]***
8		(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000; NEW OBSET FULL ACQ	Sequence 8-14 Non-Int in UMI-W3 (11) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-W3 (11)	650 Secs (650 Secs) *[==>]*	***[2]***
9		(7) UMI-W3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-W3 (11) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-W3 (11)	535 Secs (535 Secs) *[==>]*	***[2]***
10		(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070	Sequence 8-14 Non-Int in UMI-W3 (11)	650 Secs (650 Secs) *[==>]*	***[2]***

	11	(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Sequence 8-14 Non-Int in UMI-W3 (11) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-W3 (11)	668 Secs (668 Secs) *[==>]*	***[2]***
	12	(7) UMI-W3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-W3 (11) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-W3 (11)	535 Secs (535 Secs) *[==>]*	***[2]***
	13	(7) UMI-W3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Sequence 8-14 Non-Int in UMI-W3 (11) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-W3 (11)	650 Secs (650 Secs) *[==>]*	***[2]***
	14	(7) UMI-W3	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-W3 (11) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-W3 (11)	535 Secs (535 Secs) *[==>]*	***[2]***

Orbit Structure

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Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Overhead
Exp. 13
Occultation
*** ORBITAL VISIBILITY OVERRUN = 319
Overhead
Overhead
GS Acq
Exp. 8
Exp. 10
Exp. 11
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec
Exp. 9
Exp. 12
Exp. 14

Visit

Proposal 17434, UMI-W4 (12), completed Mon Nov 11 22:00:39 GMT 2024

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 185.21D TO 185.21 D

Comments: This is a 2-orbit visit targeting the UMI-W4 field. We will image both the primary WFC3/UVIS and parallel ACS/WFC fields using the F606W filter. We have added Orient Ranges requirements and implemented a dither pattern via POS-TARG to align our images with the previous epoch images taken as part of GO-13470.

Diagnostics

(UMI-W4 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(UMI-W4 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(Primary Exposure 1 (Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Exposure 3 (Sequence 1-7 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 4 (Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 8 (Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Exposure 10 (Sequence 8-14 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 11 (Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-W4 (12))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	UMI-W4	RA: 15 07 41.2367 (226.9218196d) Dec: +67 04 10.91 (67.06970d) Equinox: J2000		V=11.9 L=3.9 x 10^5 Lsun, V	Reference Frame: SIMBAD

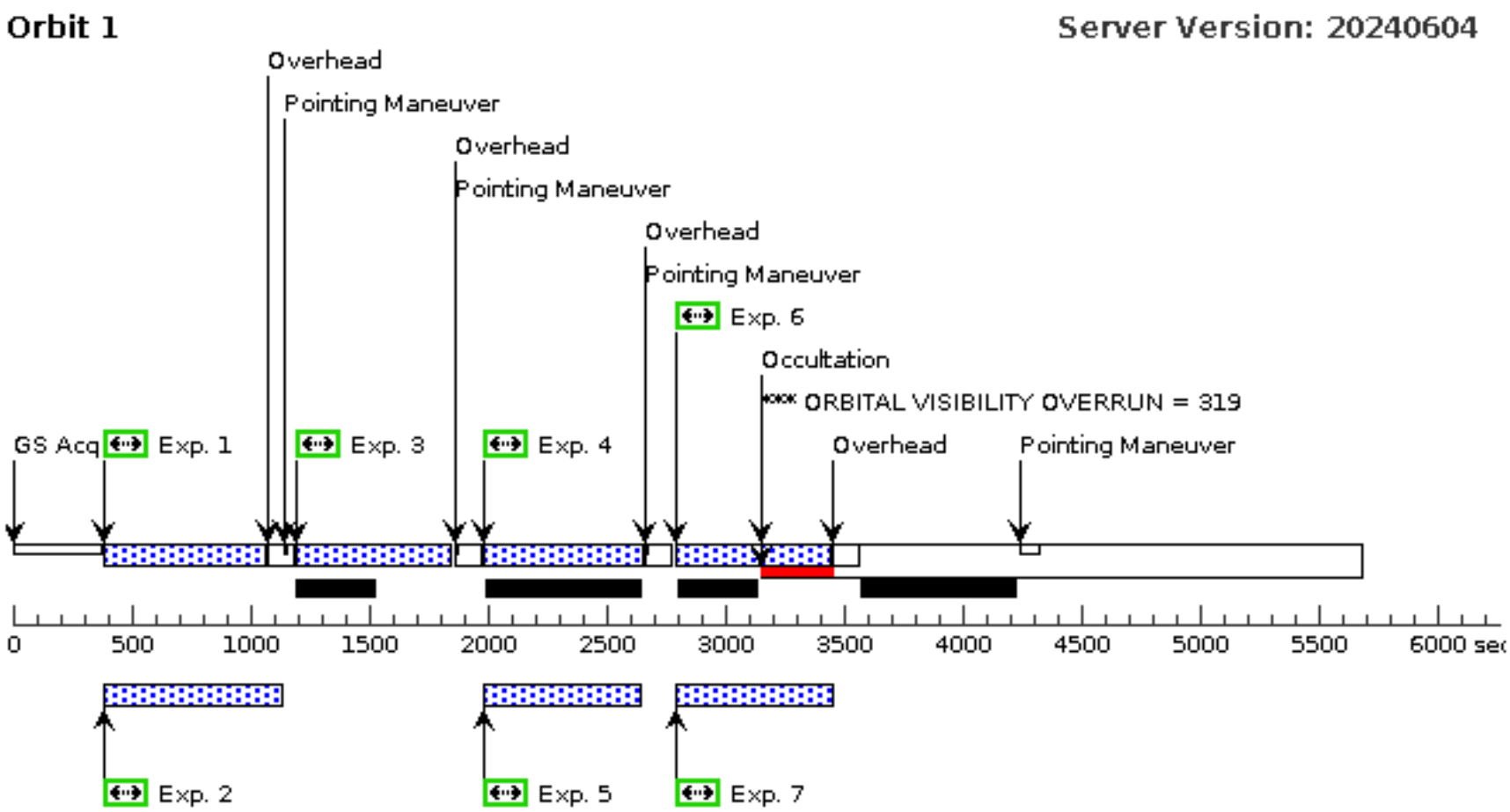
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[DWARF ELLIPTICAL]

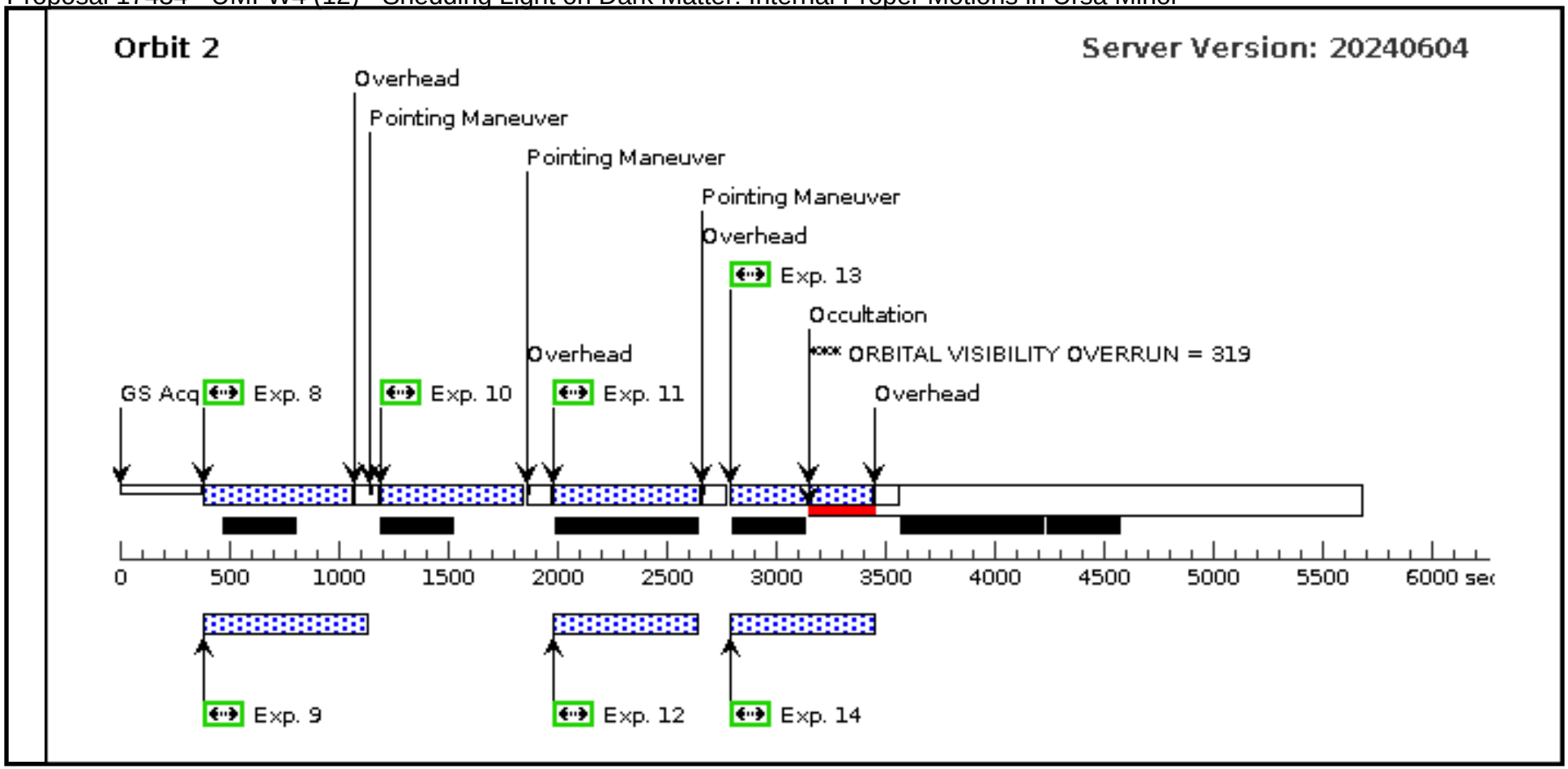
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0000,0.0000	Sequence 1-7 Non-Int in UMI-W4 (12) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-W4 (12)	650 Secs (650 Secs) *[==>]*	***[1]***
2		(8) UMI-W4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-W4 (12) Prime + Parallel Group 1-2 in Sequence 1-7 Non-Int in UMI-W4 (12)	535 Secs (535 Secs) *[==>]*	***[1]***
3		(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.1587,-0.0502	Sequence 1-7 Non-Int in UMI-W4 (12)	650 Secs (650 Secs) *[==>]*	***[1]***
4		(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -0.0596,-0.1524	Sequence 1-7 Non-Int in UMI-W4 (12) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-W4 (12)	668 Secs (668 Secs) *[==>]*	***[1]***
5		(8) UMI-W4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-W4 (12) Prime + Parallel Group 4-5 in Sequence 1-7 Non-Int in UMI-W4 (12)	535 Secs (535 Secs) *[==>]*	***[1]***
6		(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0.0991,-0.2027	Sequence 1-7 Non-Int in UMI-W4 (12) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-W4 (12)	650 Secs (650 Secs) *[==>]*	***[1]***
7		(8) UMI-W4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 1-7 Non-Int in UMI-W4 (12) Prime + Parallel Group 6-7 in Sequence 1-7 Non-Int in UMI-W4 (12)	535 Secs (535 Secs) *[==>]*	***[1]***
8		(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.000,5.000; NEW OBSET FULL ACQ	Sequence 8-14 Non-Int in UMI-W4 (12) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-W4 (12)	650 Secs (650 Secs) *[==>]*	***[2]***
9		(8) UMI-W4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-W4 (12) Prime + Parallel Group 8-9 in Sequence 8-14 Non-Int in UMI-W4 (12)	535 Secs (535 Secs) *[==>]*	***[2]***
10		(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.158,5.070	Sequence 8-14 Non-Int in UMI-W4 (12)	650 Secs (650 Secs) *[==>]*	***[2]***

	11	(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5.099,5.165	Sequence 8-14 Non-Int in UMI-W4 (12) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-W4 (12)	668 Secs (668 Secs) *[==>]*	***[2]***
	12	(8) UMI-W4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-W4 (12) Prime + Parallel Group 11-12 in Sequence 8-14 Non-Int in UMI-W4 (12)	535 Secs (535 Secs) *[==>]*	***[2]***
	13	(8) UMI-W4	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 4.940,5.095	Sequence 8-14 Non-Int in UMI-W4 (12) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-W4 (12)	650 Secs (650 Secs) *[==>]*	***[2]***
	14	(8) UMI-W4	ACS/WFC, ACCUM, WFC	F606W	FLASH=20		Sequence 8-14 Non-Int in UMI-W4 (12) Prime + Parallel Group 13-14 in Sequence 8-14 Non-Int in UMI-W4 (12)	535 Secs (535 Secs) *[==>]*	***[2]***

Orbit Structure

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Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Overhead
Exp. 13
Occultation
*** ORBITAL VISIBILITY OVERRUN = 319
Overhead
GS Acq
Exp. 8
Exp. 10
Exp. 11
Overhead
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2000
2500
3000
3500
4000
4500
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5500
6000 sec
Exp. 9
Exp. 12
Exp. 14