



## 17879 - A UV and Optical View of Martian Clouds

Cycle: 32, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>
<b>Dr. Christopher Britt (PI) (Contact)</b>	<b>Space Telescope Science Institute</b>
Ryan Kunzer (CoI)	Space Telescope Science Institute
Max Mutchler (CoI) (CoPI) (Contact)	Space Telescope Science Institute
John Maple (CoI) (CoPI)	Space Telescope Science Institute
Varun Bajaj (CoI) (Contact)	Space Telescope Science Institute
Joseph DePasquale (CoI) (Contact)	Space Telescope Science Institute
Alyssa Pagan (CoI) (Contact)	Space Telescope Science Institute
Christine Pulliam (CoI)	Space Telescope Science Institute
Ray Villard (CoI)	Space Telescope Science Institute
Dr. Emma Marcucci (CoI)	Space Telescope Science Institute

### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) MARS-OPPOSITION-2025	WFC3/UVIS	1	11-Dec-2024 10:00:44.0	yes
02	(1) MARS-OPPOSITION-2025	WFC3/UVIS	1	11-Dec-2024 10:00:46.0	yes
03	(1) MARS-OPPOSITION-2025	WFC3/UVIS	1	11-Dec-2024 10:00:47.0	yes
04	(1) MARS-OPPOSITION-2025	WFC3/UVIS	1	11-Dec-2024 10:00:48.0	yes
05	(1) MARS-OPPOSITION-2025	WFC3/UVIS	1	11-Dec-2024 10:00:49.0	yes
06	(1) MARS-OPPOSITION-2025	WFC3/UVIS	1	11-Dec-2024 10:00:50.0	yes

6 Total Orbits Used

## **ABSTRACT**

We propose to take UV and optical images of the full surface of Mars at opposition to track surface features and weather patterns as the planet rotates. Using filters F275W, F410M, F502N, and F673N will highlight cloud features only visible in UV and other surface features in optical light.

## **OBSERVING DESCRIPTION**

We will obtain high signal-to-noise imaging of Mars at opposition in both UV and visible light, with the F275W, F410M, F502N, and F673N filters. We propose a single WFC3 pointing which will adequately cover the entire object. We will visit this target 3 times separated by 8.2 hours, in order to image the entire surface of Mars as the planet rotates. At opposition in January, 2025, Mars has a diameter of 15 arcsec, and the moons Phobos and Deimos will orbit well within 1 arcmin of the planet. Because Mars is so bright, we will use similar narrow and medium band filters as past observations both to limit exposures and to match the look and feel of previous opposition observations, allowing direct comparison over time. We will also include a UV filter to image the clouds of Mars and to demonstrate Hubbles unique UV capabilities. Within each HST orbit, we will sweep through a set of four WFC3 filters (F275W, F410M, F502N, F673N) several times each, and include a small dither shift, to mitigate cosmic rays and detector artifacts. Mars will easily fit within the 1K subarray, which will minimize CTE effects and allow us to obtain over 20 exposures per orbit. Exposure times will generally be short, but some exposures may still saturate in spots (e.g., bright clouds that cannot be predicted). We will not use post-flash which might increase the chance of saturation, and we feel the bright halo of Mars (overlapping PSF wings off the disk) will adequately fill charge traps during CCD readout. We seek approval to specify BLADE=A for all exposures to mitigate shutter-driven vibrations. We have included a wide UV filter (F275W) which also does not require very long exposures times and could reveal interesting Martian cloud structure. We would like to schedule this observation as close to opposition as possible, though in Reduced Gyro Mode, the window of visibility closes roughly 2 weeks before opposition. The visibility window for Mars near opposition is fairly brief. Due to the risk of guide star failure in the short time frame, we would like to schedule two sets of 3 visits each and cancel the second set upon the successful completion of the first. We therefore request 6 orbits for this program. Each visit within a set of 3 should be scheduled roughly 8.2 hours apart so that the planet surface can be imaged in its entirety. Observations should be as close to the Jan 18 opposition as possible.

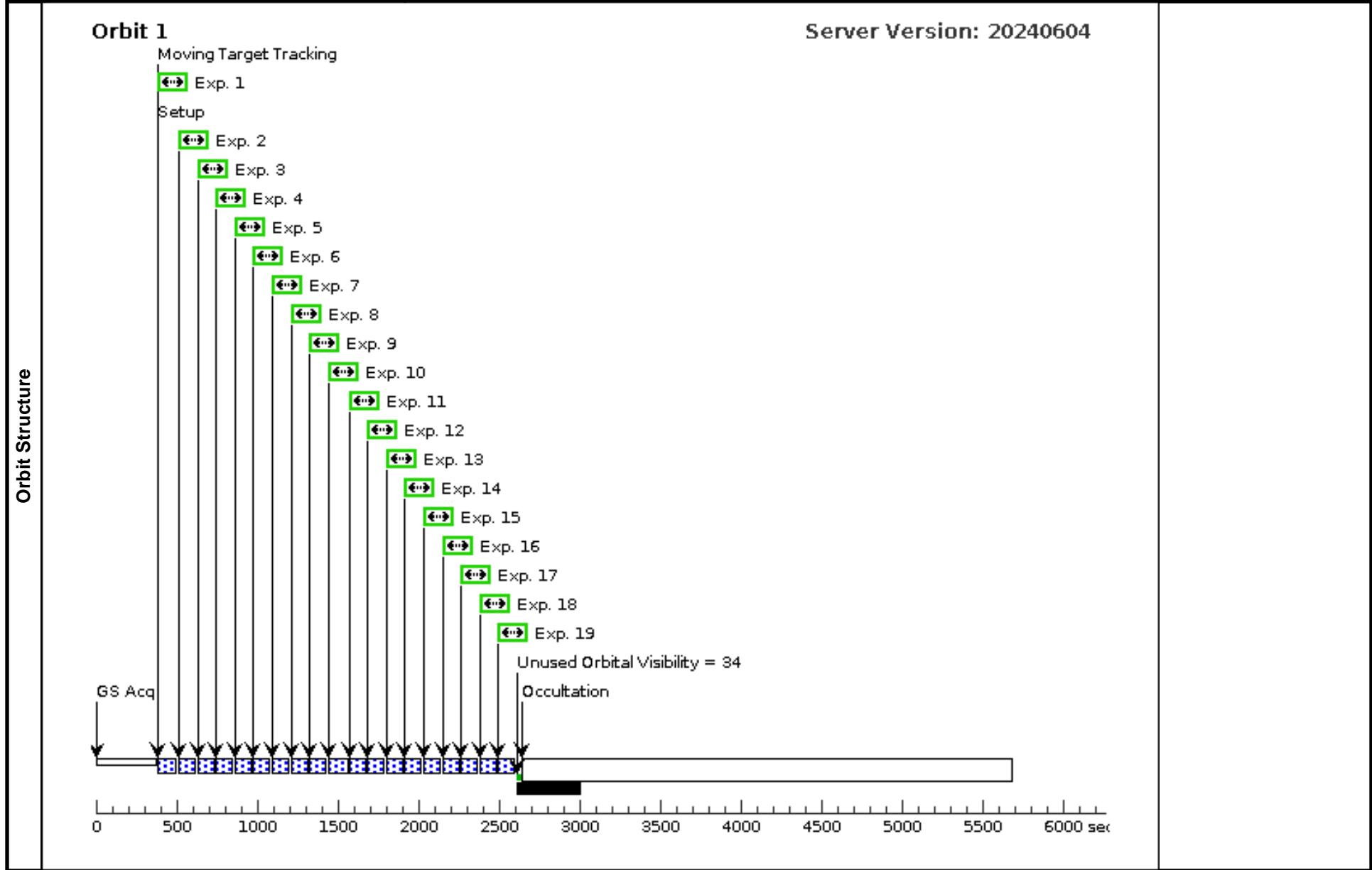
# Proposal 17879 - Visit 01 - A UV and Optical View of Martian Clouds

Wed Dec 11 15:00:51 GMT 2024

<b>Visit</b>	<b>Proposal 17879, Visit 01, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 16-DEC-2024:00:00:00 AND 06-JAN-2025:00:00:00						
	<b>Diagnostics</b>	(Exposure 1 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
(Exposure 2 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 3 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 4 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 5 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 6 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 7 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 8 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
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(Exposure 12 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 13 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 14 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 15 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 16 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 17 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 18 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Exposure 19 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser							
(Visit 01) Informational (Form): The Visit Planner and Spike may produce different schedulability results.							
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>
	(1)	MARS- OPPOSITION-2025	STD=MARS				EARTH
<i>Comments: Description=Mars Extended=YES</i>							

Proposal 17879 - Visit 01 - A UV and Optical View of Martian Clouds

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	2	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
								[==>]		
	3	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	4	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
								[==>]		
	5	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
								[==>]		
	6	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	7	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
								[==>]		
	8	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
								[==>]		
	9	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	10	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F275W	BLADE=A			12 Secs (12 Secs)	[1]	
							[==>]			
11	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]		
							[==>]			
12	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]		
							[==>]			
13	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
14	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]		
							[==>]			
15	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]		
							[==>]			
16	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
17	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
18	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]		
							[==>]			
19	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			



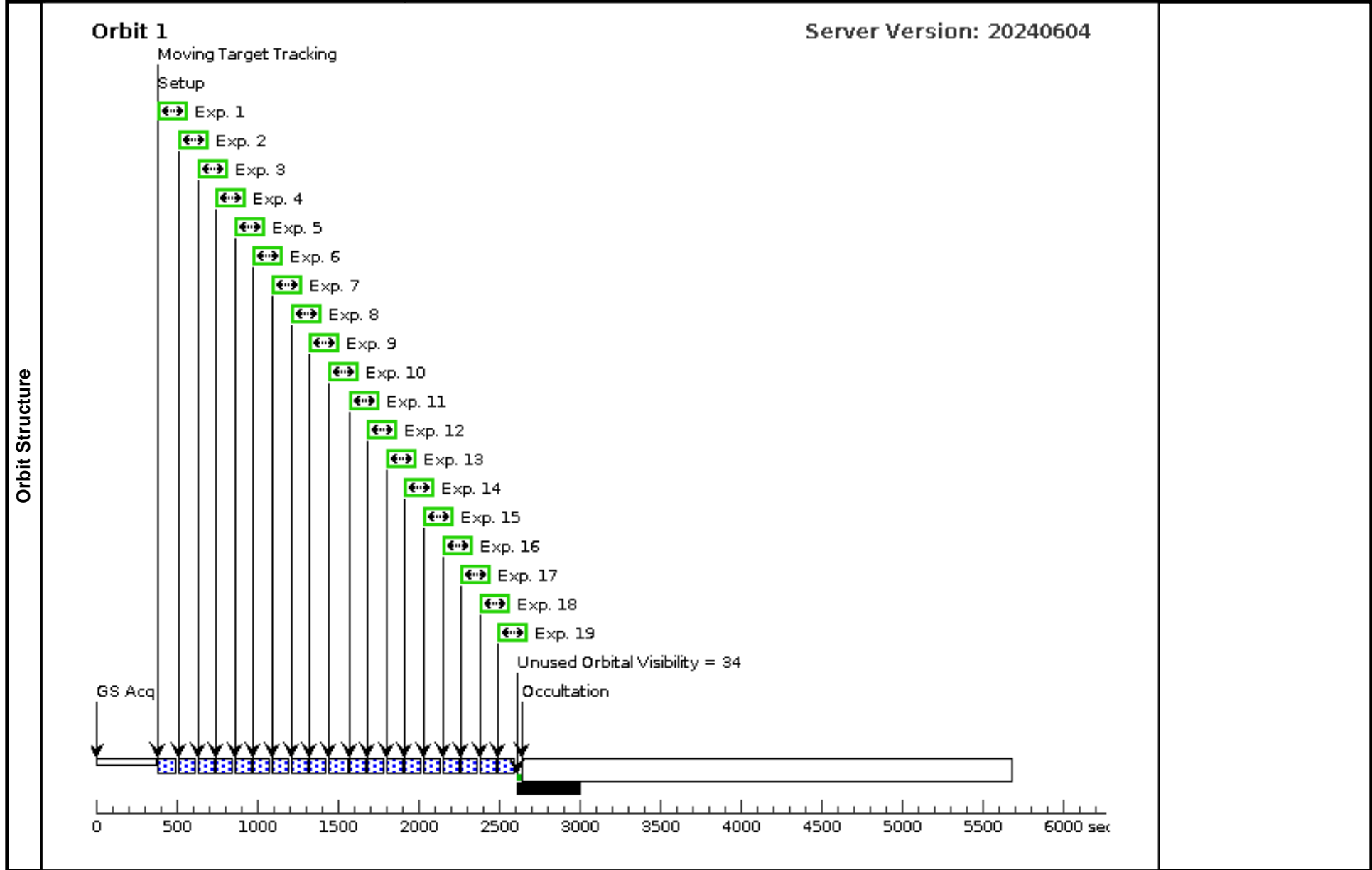
# Proposal 17879 - Visit 02 - A UV and Optical View of Martian Clouds

Wed Dec 11 15:00:51 GMT 2024

<b>Visit</b>	<b>Proposal 17879, Visit 02, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 15.4 H TO 17.4 H							
	<b>Diagnostics</b>	(Exposure 1 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 13 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 14 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 15 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 16 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 17 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 18 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 19 (Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 02) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
<b>Solar System Targets</b>		<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>
		(1)	MARS- OPPOSITION-2025	STD=MARS				EARTH
Comments: Description=Mars Extended=YES								

Proposal 17879 - Visit 02 - A UV and Optical View of Martian Clouds

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	2	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
								[==>]		
	3	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	4	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
								[==>]		
	5	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
								[==>]		
	6	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	7	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
								[==>]		
	8	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
								[==>]		
	9	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	10	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F275W	BLADE=A			12 Secs (12 Secs)	[1]	
							[==>]			
11	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]		
							[==>]			
12	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]		
							[==>]			
13	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
14	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]		
							[==>]			
15	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]		
							[==>]			
16	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
17	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
18	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]		
							[==>]			
19	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			



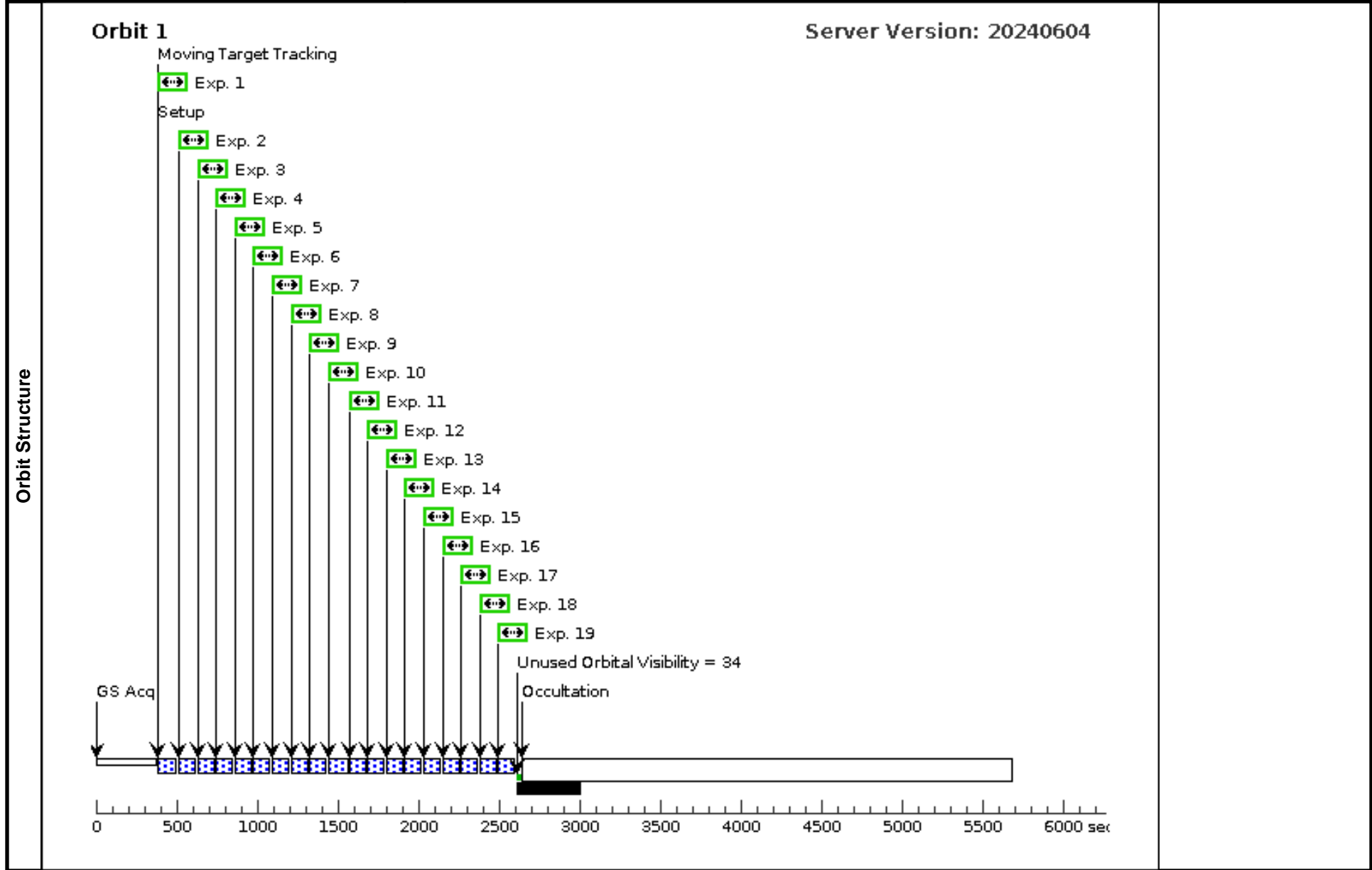
# Proposal 17879 - Visit 03 - A UV and Optical View of Martian Clouds

Wed Dec 11 15:00:51 GMT 2024

<b>Visit</b>	<b>Proposal 17879, Visit 03, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 02 BY 15.4 H TO 17.4 H							
	<b>Diagnostics</b>	(Exposure 1 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 13 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 14 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 15 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 16 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 17 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 18 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 19 (Visit 03)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 03) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
<b>Solar System Targets</b>		<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>
		(1)	MARS- OPPOSITION-2025	STD=MARS				EARTH
Comments: Description=Mars Extended=YES								

Proposal 17879 - Visit 03 - A UV and Optical View of Martian Clouds

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	2	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
	3	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	4	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
	5	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
	6	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	7	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
	8	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
	9	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	10	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F275W	BLADE=A			12 Secs (12 Secs)	[1]	
	11	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
	12	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
	13	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	14	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
	15	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
	16	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	17	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	18	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
	19	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	



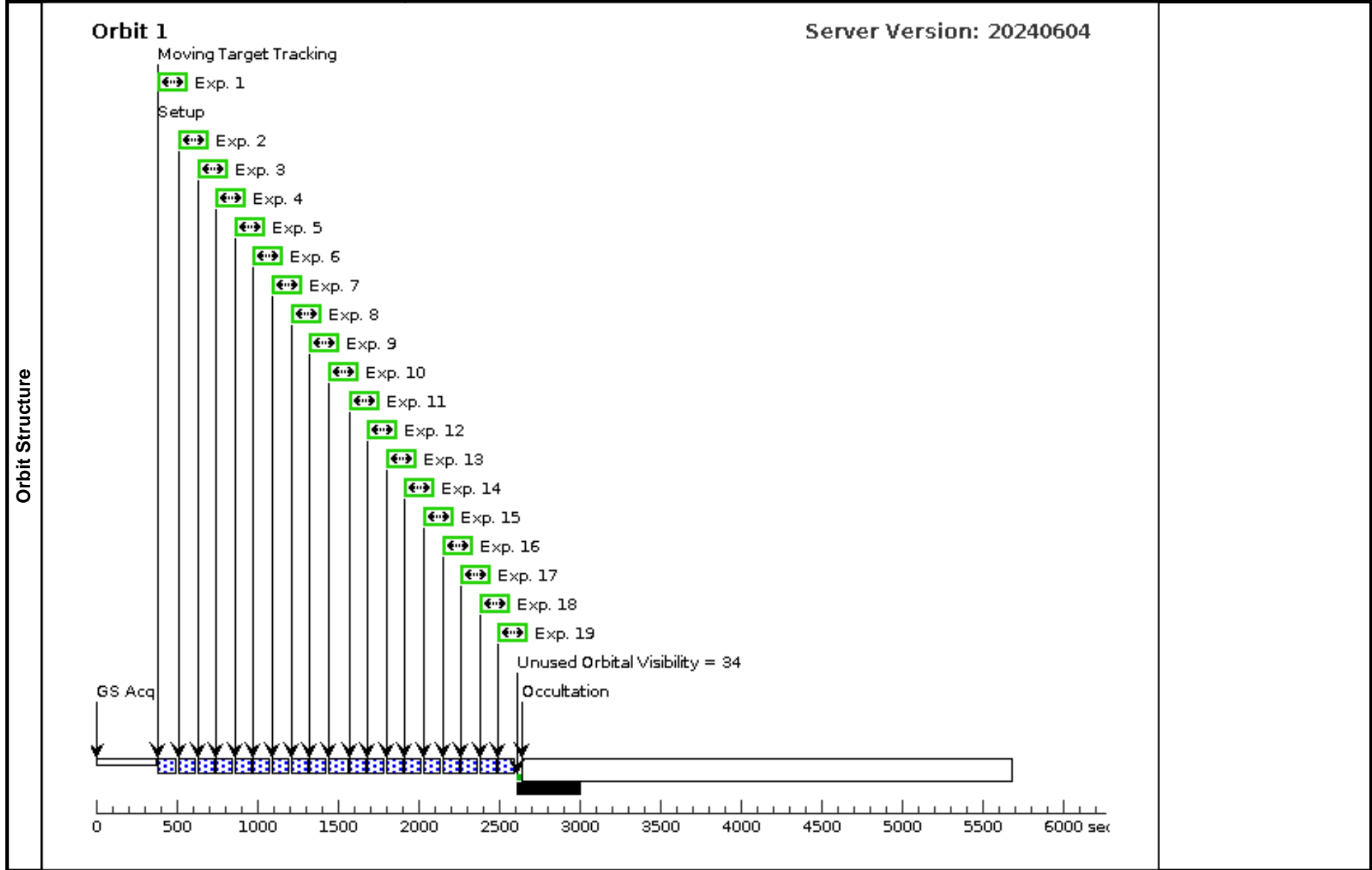
# Proposal 17879 - Visit 04 - A UV and Optical View of Martian Clouds

Wed Dec 11 15:00:51 GMT 2024

<b>Visit</b>	<b>Proposal 17879, Visit 04, implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 06-JAN-2025:00:00:00 AND 18-JAN-2025:00:00:00; ON HOLD <i>On Hold Comments: This visit has been placed On hold by the PC. Visits 04-06 are contingency visits only and should only execute if a visit from the 01-03 set fails</i>							
	<b>Diagnostics</b>	(Exposure 1 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 13 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 14 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 15 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 16 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 17 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 18 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 19 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Visit 04) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
<b>Solar System Targets</b>		<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>
		(1)	MARS- OPPOSITION-2025	STD=MARS				EARTH
<i>Comments: Description=Mars Extended=YES</i>								

Proposal 17879 - Visit 04 - A UV and Optical View of Martian Clouds

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	2	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
	3	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	4	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
	5	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
	6	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	7	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
	8	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
	9	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	10	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F275W	BLADE=A			12 Secs (12 Secs)	[1]	
	11	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
	12	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
	13	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	14	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
	15	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
	16	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	17	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
	18	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
	19	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	



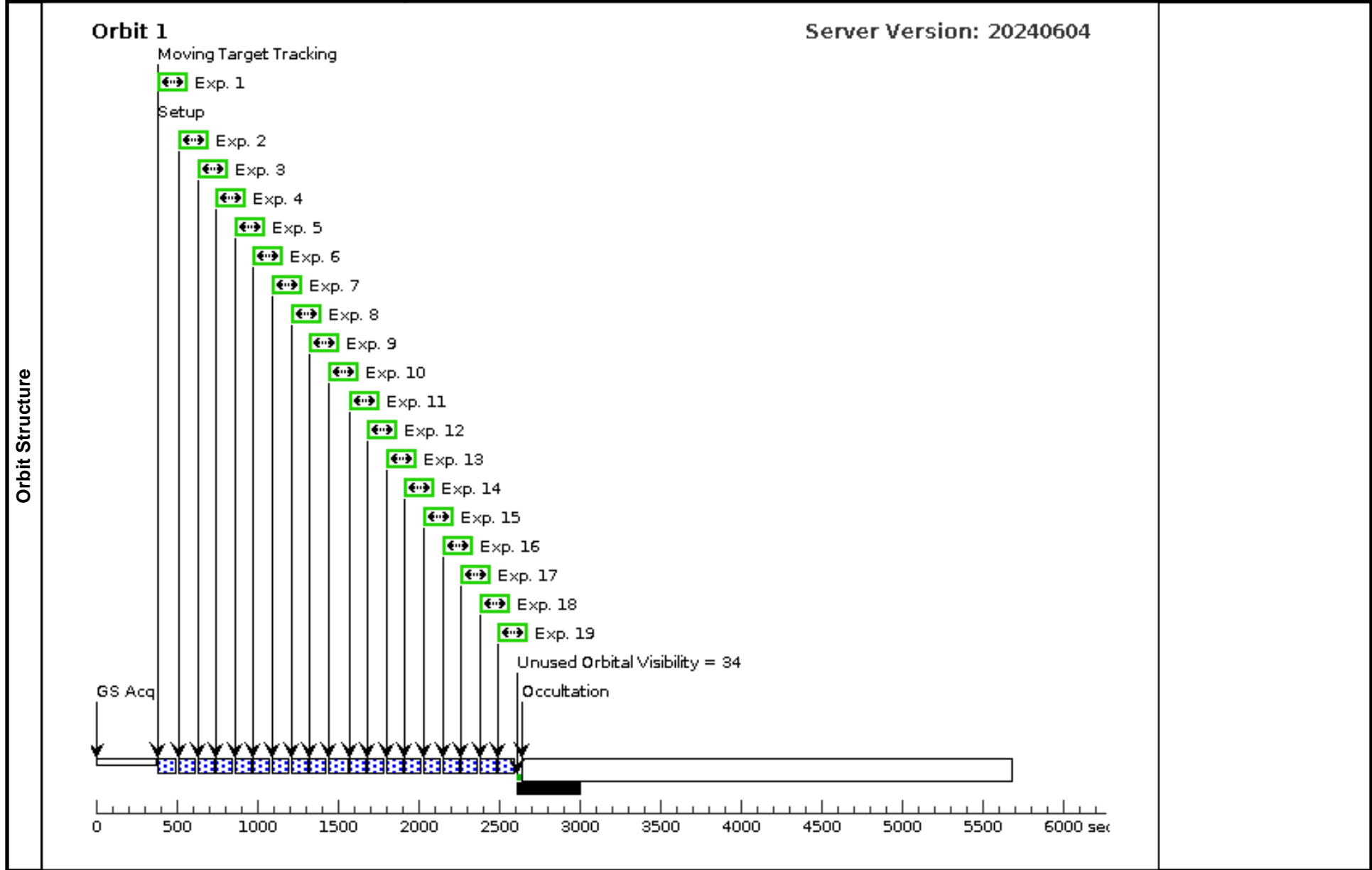
Proposal 17879 - Visit 05 - A UV and Optical View of Martian Clouds

Wed Dec 11 15:00:51 GMT 2024

<b>Visit</b>	<p><b>Proposal 17879, Visit 05, implementation</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 04 BY 15.4 H TO 17.4 H; ON HOLD</p> <p><i>On Hold Comments: This visit has been placed On hold by the PC. Visits 04-06 are contingency visits only and should only execute if a visit from the 01-03 set fails</i></p>							
	<b>Diagnostics</b>	<p>(Exposure 1 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 2 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 3 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 4 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 5 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 6 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 7 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 8 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 9 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 10 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 11 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 12 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 13 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 14 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 15 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 16 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 17 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 18 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 19 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Visit 05) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
<b>Solar System Targets</b>		<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>
		(1)	MARS- OPPOSITION-2025	STD=MARS				EARTH
<p><i>Comments: Description=Mars</i></p> <p><i>Extended=YES</i></p>								

Proposal 17879 - Visit 05 - A UV and Optical View of Martian Clouds

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	2	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
								[==>]		
	3	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	4	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
								[==>]		
	5	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
								[==>]		
	6	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	7	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
								[==>]		
	8	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
								[==>]		
	9	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	10	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F275W	BLADE=A			12 Secs (12 Secs)	[1]	
							[==>]			
11	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]		
							[==>]			
12	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]		
							[==>]			
13	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
14	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]		
							[==>]			
15	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]		
							[==>]			
16	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
17	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
18	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]		
							[==>]			
19	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			



Proposal 17879 - Visit 06 - A UV and Optical View of Martian Clouds

Wed Dec 11 15:00:51 GMT 2024

<b>Visit</b>	<p><b>Proposal 17879, Visit 06, implementation</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 05 BY 15.4 H TO 17.4 H; ON HOLD</p> <p><i>On Hold Comments: This visit has been placed On hold by the PC. Visits 04-06 are contingency visits only and should only execute if a visit from the 01-03 set fails</i></p>							
	<b>Diagnostics</b>	<p>(Exposure 1 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 2 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 3 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 4 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 5 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 6 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 7 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 8 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 9 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 10 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 11 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 12 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 13 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 14 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 15 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 16 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 17 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 18 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 19 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Visit 06) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
<b>Solar System Targets</b>		<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>
		(1)	MARS- OPPOSITION-2025	STD=MARS				EARTH
<p><i>Comments: Description=Mars</i></p> <p><i>Extended=YES</i></p>								

Proposal 17879 - Visit 06 - A UV and Optical View of Martian Clouds

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	2	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]	
								[==>]		
	3	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	4	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]	
								[==>]		
	5	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]	
								[==>]		
	6	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	7	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]	
								[==>]		
	8	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]	
								[==>]		
	9	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]	
								[==>]		
	10	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F275W	BLADE=A			12 Secs (12 Secs)	[1]	
							[==>]			
11	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			1.0 Secs (1 Secs)	[1]		
							[==>]			
12	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			2.0 Secs (2 Secs)	[1]		
							[==>]			
13	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
14	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.8 Secs (0.8 Secs)	[1]		
							[==>]			
15	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1.5 Secs (1.5 Secs)	[1]		
							[==>]			
16	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
17	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F410M	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			
18	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F502N	BLADE=A			1 Secs (1 Secs)	[1]		
							[==>]			
19	(1) MARS-OPPOSITION-2025	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F673N	BLADE=A			0.5 Secs (0.5 Secs)	[1]		
							[==>]			

