



17214 - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Cycle: 30, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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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) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:16.0	yes
02	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:17.0	yes
03	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:18.0	yes
04	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:19.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
05	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:19.0	yes
06	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:20.0	yes
07	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:21.0	yes
08	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:22.0	yes
09	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:22.0	yes
10	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:23.0	yes
11	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:24.0	yes
12	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:25.0	yes
13	(1) URANUS	STIS/FUV-MAMA	1	14-Nov-2022 09:01:26.0	yes

13 Total Orbits Used

ABSTRACT

The asymmetric magnetosphere of Uranus is now approaching southern solstice, gradually shifting from its equinox-to-solstice intermediate geometry. We propose to image the UV (H and H₂) aurorae of Uranus with STIS and ACS instruments near next opposition with a two-fold objective. We first aim at investigating the current, poorly known, magnetospheric configuration in which a diversity of UV aurorae, probing various acceleration mechanisms, is expected to co-exist. The observations will be carefully scheduled to sample variable solar wind conditions and all planetary longitudes to assess the solar wind/magnetosphere interaction. The aurorae will then be accurately fitted by model auroral ovals to retrieve the position of the magnetic poles. This reference will then be used, on the one hand to further constrain the inner rotation rate and the associated SIII longitude system and, on the other hand to analyze planned coordinated observations of the planet by JWST in the NIR and by XMM-Newton at X-ray wavelengths.

OBSERVING DESCRIPTION

This proposal requests a sequence of 9 STIS imaging orbits distributed in three groups scheduled close to next opposition on 31 Oct. 2020. They will be divided in three groups of three orbits which will sample variable solar wind conditions predicted enough in advance. Two groups will sample intervals of high dynamic pressures (compressed state of the magnetosphere) and one group will sample quiet solar wind (relaxed state of the magnetosphere). The methodology employed to predict solar wind conditions at Uranus will be identical to that developed for past similar GO

Proposal 17214 (STScI Edit Number: 5, Created: Monday, November 14, 2022 at 9:01:26 AM Eastern Standard Time) - Overview programs.

The proposed observations will consist of 9 STIS orbits, with TIME-TAG imaging using the clear and SRF2 filters.

Proposal 17214 - URANUS (01) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (01), completed										Mon Nov 14 14:01:26 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: BETWEEN 01-SEP-2022:00:00:00 AND 31-OCT-2022:00:00:00; VISIBILITY INTERVAL 51.5 M										
	Comments: The filter and integration times are similar to those used in proposal 14036.										
Final scheduling to be confirmed depending on solar wind predictions.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		2670 Secs (2503 Secs)		
									[=>2503.0 Secs]	[1]	
	Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.										
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Moving Target Tracking Setup Exp. 1 Occultation Unused Orbital Visibility = 0 Home </										

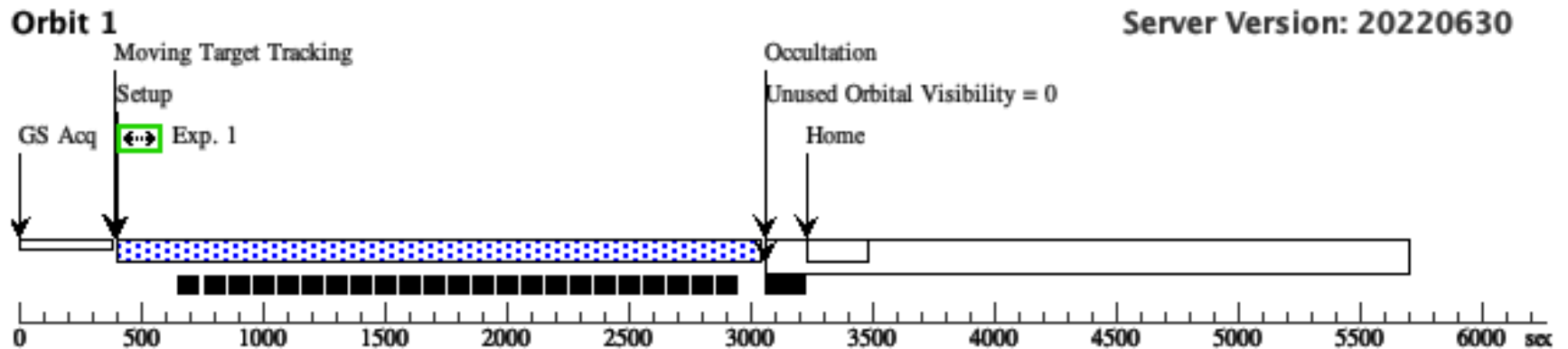
Proposal 17214 - URANUS (02) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (02), failed										Mon Nov 14 14:01:26 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: BETWEEN 01-SEP-2022:00:00:00 AND 31-OCT-2022:00:00:00; VISIBILITY INTERVAL 51 M										
	Comments: The filter and integration times are similar to those used in proposal 14036.										
Final scheduling to be confirmed depending on solar wind predictions.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Filtered image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=100	POS TARG null,-3		2670 Secs (2492 Secs)		
										[=>2492.0 Secs]	[1]
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Moving Target Tracking Exp. 1 Occultation Unused Orbital Visibility = 0 Home Setup										

Proposal 17214 - URANUS (03) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Mon Nov 14 14:01:27 GMT 2022

Visit	Proposal 17214, URANUS (03), completed										Mon Nov 14 14:01:27 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: BETWEEN 04-OCT-2022:00:00:00 AND 11-OCT-2022:00:00:00; VISIBILITY INTERVAL 51 M										
Comments: The filter and integration times are similar to those used in proposal 14036.											
Please expand exposure time if possible.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		2670 Secs (2473 Secs)		
										[=>2473.0 Secs]	[1]
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Moving Target Tracking Setup Exp. 1 Occultation Unused Orbital Visibility = 0 Home										



Proposal 17214 - URANUS (04) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (04), completed										Mon Nov 14 14:01:27 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: BETWEEN 04-OCT-2022:00:00:00 AND 11-OCT-2022:00:00:00; VISIBILITY INTERVAL 51.5 M										
	Comments: The filter and integration times are similar to those used in proposal 14036.										
Please expand exposure time if possible.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		2670 Secs (2503 Secs)		
										[=>2503.0 Secs]	[1]
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Moving Target Tracking Setup Exp. 1 Occultation Unused Orbital Visibility = 0 Home										

Proposal 17214 - URANUS (05) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (05), completed										Mon Nov 14 14:01:27 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: BETWEEN 04-OCT-2022:00:00:00 AND 11-OCT-2022:00:00:00; VISIBILITY INTERVAL 51.5 M										
	Comments: The filter and integration times are similar to those used in proposal 14036.										
Please expand exposure time if possible.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		2670 Secs (2503 Secs)		
										[=>2503.0 Secs]	[1]
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Moving Target Tracking Setup Exp. 1 Occultation Unused Orbital Visibility = 0 Home										

Proposal 17214 - URANUS (06) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (06), completed										Mon Nov 14 14:01:27 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: BETWEEN 16-OCT-2022:00:00:00 AND 25-OCT-2022:00:00:00; VISIBILITY INTERVAL 51 M										
Comments: The filter and integration times are similar to those used in proposal 14036.											
Please expand exposure time if possible.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		2670 Secs (2473 Secs)		
										[=>2473.0 Secs]	[1]
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Moving Target Tracking Setup Exp. 1 Unused Orbital Visibility = 0 Occultation Home										

Proposal 17214 - URANUS (07) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (07), implementation										Mon Nov 14 14:01:27 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: VISIBILITY INTERVAL 51 M										
	Comments: The filter and integration times are similar to those used in proposal 14036.										
Please expand exposure time if possible.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=100	POS TARG null,-3		2670 Secs (1448 Secs)		
									[>=>1448.0 Secs]	[1]	
	Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.										
	2	Filtered image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=100	POS TARG null,-3		1000 Secs (658 Secs)		
								[>=>658.0 Secs]	[1]		
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
Orbit Structure	Orbit 1 Server Version: 20220630										

Proposal 17214 - URANUS (08) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (08), completed										Mon Nov 14 14:01:27 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: BETWEEN 16-OCT-2022:00:00:00 AND 25-OCT-2022:00:00:00; VISIBILITY INTERVAL 51 M										
	Comments: The filter and integration times are similar to those used in proposal 14036.										
Please expand exposure time if possible.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		2670 Secs (1018 Secs)		
									[==>1018.0 Secs]	[1]	
	Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.										
2	Filter image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		1170 Secs (1088 Secs)			
								[==>1088.0 Secs]	[1]		
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Moving Target Tracking Exp. 1 Pointing Maneuver Moving Target Tracking Exp. 2 Occultation Unused Orbital Visibility = 0 Home </										

Proposal 17214 - URANUS (09) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (09), completed										Mon Nov 14 14:01:27 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/FUV-MAMA											
	Special Requirements: BETWEEN 09-NOV-2022:00:00:00 AND 11-NOV-2022:00:00:00; VISIBILITY INTERVAL 49.5 M											
	Comments: The filter and integration times are similar to those used in proposal 14036.											
Please expand exposure time if possible.												
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(1)	URANUS	STD=URANUS				EARTH					
Comments: Description=PLANET URANUS												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit		
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=100	POS TARG null,-3		2670 Secs (1018 Secs)			
									[>=>1018.0 Secs]	[1]		
	Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
	2	Filtered image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=100	POS TARG null,-3		1170 Secs (998 Secs)			
								[>=>998.0 Secs]	[1]			
Orbit Structure	Orbit 1											Server Version: 20220630

Proposal 17214 - URANUS (10) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (10), implementation										Mon Nov 14 14:01:27 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/FUV-MAMA										
	Special Requirements: VISIBILITY INTERVAL 49.5 M										
	Comments: The filter and integration times are similar to those used in proposal 14036.										
Please expand exposure time if possible.											
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	URANUS	STD=URANUS				EARTH				
	Comments: Description=PLANET URANUS										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=100	POS TARG null,-3		2670 Secs (1524 Secs)		
									[>=>1524.0 Secs]	[1]	
	Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.										
	2	Filtered image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=100	POS TARG null,-3		1000 Secs (492 Secs)		
								[>=>492.0 Secs]	[1]		
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.											
Orbit Structure	Orbit 1 Server Version: 20220630										

Proposal 17214 - URANUS (11) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Mon Nov 14 14:01:27 GMT 2022

Visit

Proposal 17214, URANUS (11), implementation

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/FUV-MAMA

Special Requirements: BETWEEN 01-OCT-2022:00:00:00 AND 31-JAN-2023:00:00:00; VISIBILITY INTERVAL 51 M

Comments: The filter and integration times are similar to those used in proposal 14036.

Please expand exposure time if possible.

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(1)	URANUS	STD=URANUS				EARTH
Comments: Description=PLANET URANUS						

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=100	POS TARG null,-3		2670 Secs (1524 Secs)	
								[=>1524.0 Secs]	[1]
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.									
2	Filtered image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=100	POS TARG null,-3		1000 Secs (582 Secs)	
								[=>582.0 Secs]	[1]
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.									

Orbit Structure

Orbit 1

Server Version: 20220630

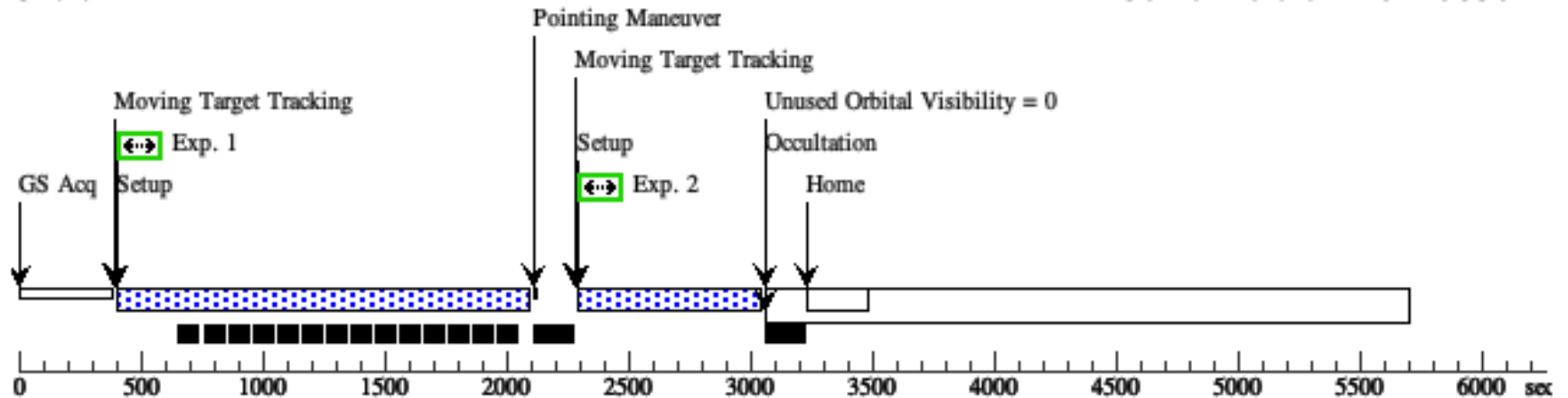
The timeline for Orbit 1 (Server Version: 20220630) spans from 0 to 6000 seconds. Key events include:

- GS Acq:** Occurs at approximately 100 seconds.
- Moving Target Tracking (Exp. 1):** A green box with a double-headed arrow labeled "Exp. 1" is shown between approximately 400 and 500 seconds.
- Setup:** Occurs at approximately 450 seconds.
- Moving Target Tracking (Exp. 2):** A green box with a double-headed arrow labeled "Exp. 2" is shown between approximately 2300 and 2400 seconds.
- Setup:** Occurs at approximately 2350 seconds.
- Pointing Maneuver:** Occurs at approximately 2150 seconds.
- Unused Orbital Visibility = 0:** A period from approximately 3050 to 3500 seconds.
- Occultation:** Occurs at approximately 3150 seconds.
- Home:** Occurs at approximately 3300 seconds.

The timeline is represented by a horizontal bar with various colored segments (blue checkered, black, white) and arrows indicating the duration of different activities.

Orbit 1

Server Version: 20220630



Proposal 17214 - URANUS (12) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while approaching solstice

Visit	Proposal 17214, URANUS (12), implementation									
	Mon Nov 14 14:01:27 GMT 2022									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/FUV-MAMA									
	Special Requirements: BETWEEN 01-OCT-2022:00:00:00 AND 31-JAN-2023:00:00:00; VISIBILITY INTERVAL 51 M									
Solar System Targets	Comments: The filter and integration times are similar to those used in proposal 14036.									
	Please expand exposure time if possible.									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	URANUS	STD=URANUS				EARTH			
	Comments: Description=PLANET URANUS									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=100	POS TARG null,-3		1600 Secs (1453 Secs)	
									[>=>1453.0 Secs]	[1]
	Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.									
	2	Filtered image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=100	POS TARG null,-3		2670 Secs (653 Secs)	
								[>=>653.0 Secs]	[1]	
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.										
Orbit Structure	Orbit 1									
	Server Version: 20220630									

Proposal 17214 - URANUS - Repeat visit 02 (13) - Unravelling the auroral diversity and magnetospheric dynamics of Uranus while ap...

Visit	Proposal 17214, URANUS - Repeat visit 02 (13), implementation							Mon Nov 14 14:01:27 GMT 2022		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/FUV-MAMA									
	Special Requirements: BETWEEN 01-OCT-2022:00:00:00 AND 31-JAN-2023:00:00:00; VISIBILITY INTERVAL 51 M									
	Comments: The filter and integration times are similar to those used in proposal 14036.									
Final scheduling to be confirmed depending on solar wind predictions.										
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	URANUS	STD=URANUS				EARTH			
	Comments: Description=PLANET URANUS									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Clear image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, 25MAMA	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		1600 Secs (1553 Secs)	
									[==>1553.0 Secs]	[1]
	Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.									
	2	Filtered image (189449)	(1) URANUS	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=10 0	POS TARG null,-3		2670 Secs (553 Secs)	
								[==>553.0 Secs]	[1]	
Comments: A POS TARG of -3arcsec in AXIS2 will move Uranus' signal away from the repeller wire shadow.										
Orbit Structure	Orbit 1									
	Server Version: 20220630									